

# Plumb Supply

COMPANY

2018

**HVAC Products**

Vol. 3

# BRANCH LOCATIONS

	Location	Address	Phone	Fax
Iowa . . .	Ames	2408 E Lincoln Way Ames, IA 50010	515-233-5737	515-233-5539
	Cedar Rapids	4700 J St. SW Cedar Rapids, IA 52404	319-366-7891	319-366-8758
	Davenport	4601 Grand Ave Davenport, IA 52807	563-391-0240	563-391-0695
	Des Moines	1622 NE 51st Ave Des Moines, IA 50306	515-262-9511	515-262-9790
	Dubuque	600 Cedar Cross Rd Dubuque, IA 52003	563-556-2827	563-556-5693
	Fort Dodge	1565 Cardinal Ave Fort Dodge, IA 50501	515-573-8161	515-573-7558
	Iowa City	1925 Boyrum St. Iowa City, IA 52240	319-351-1004	319-354-3169
	Iowa City Showroom	214 Southgate Ave Iowa City, IA 52240	319-351-5010	319-351-4995
	Le Mars	436 2nd Ave NE Le Mars, IA 51031	712-546-8129	515-957-5334
	Marshalltown	207 Iowa Ave E Marshalltown, IA 50158	641-753-2847	641-753-2856
	Mason City	45 19th St. SW Mason City, IA 50401	641-423-0164	641-423-0462
	Muscatine	1418 S Houser Muscatine, IA 52761	563-264-8655	563-264-5898
	North Cedar Rapids	1716 Blairs Ferry Rd NE Cedar Rapids, IA 52402	319-393-1441	319-393-1211
	Ottumwa	420 Gateway Dr Ottumwa, IA 52501	641-682-8357	641-628-2307
	Pella	208 SE 9th St. Pella, IA 50219	641-620-1406	641-620-8204
	Red Oak	1949 G Ave Red Oak, IA 51566	712-623-4841	712-623-4843
	Spirit Lake	3010 Hwy 9 W Spirit Lake, IA 51360	712-336-0787	712-336-3609
	Waterloo	3338 W Airline Hwy Waterloo, IA 50703	319-236-1511	319-236-0218
	Waukee	920 Frontier Ave Waukee IA 50263	515-987-2802	515-987-3579
	Kansas . . Missouri .	Lenexa	14936 W 101st Terrace Lenexa, KS 66215	913-782-7455
Branson		110 Warehouse Rd Branson, MO 65616	417-335-4554	417-335-4572
Columbia		2412 Bus Loop 70 E Columbia, MO 65201	573-875-3131	573-449-8738
Columbia HVAC		1112 Smith St. Columbia MO 65201	573-874-5661	573-874-5677
Columbia Showroom		1729 W Broadway Columbia, MO 65203	573-445-4481	573-446-2058
Hannibal		4385 Paris Gravel Rd Hannibal, MO 63401	573-221-0142	573-221-0148
Jefferson City		912 W McCarty Jefferson City, MO 65109	573-415-9173	573-634-7260
Jefferson City Showroom		2027 Christy Dr Jefferson City, MO 65101	573-634-4515	573-634-6017
Kirkville		405 W Hickory St. Kirkville, MO 63501	660-665-2626	660-665-9997
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Liberty		2108 Kara Ct. Suite D Liberty, MO 64068	816-335-3020	813-781-8555
Marshall		735 N Miami Marshall, MO 65340	660-886-5151	660-886-5854
Mexico		622 E Liberty Mexico, MO 65265	573-581-6842	573-581-7712
Moberly		807 W Hwy 24 Moberly, MO 65270	660-263-1280	660-263-0929
Osage Beach		924 Hwy 42 Osage Beach, MO 65065	573-348-2253	573-348-2443
Rolla		11208 Twitty Dr Rolla, MO 65401	573-364-5211	573-341-5446
Springfield		2234 E Olive Court Springfield, MO 65802	417-865-8770	417-865-1056
Warrensburg		133 Railroad Warrensburg, MO 64093	660-429-3555	660-429-3581
Washington		205 E 8th St. Washington, MO 63090	636-239-1969	636-239-2045

**Plumb Supply**  
 COMPANY

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## **General Conditions**

This price service has been designed to assist you in estimating your jobs. It is our sincere desire to maintain the necessary inventory to satisfy your requirements, but we do not stock all of the items in this catalog.

All orders are subject to approval by our credit department, and the possession of this price service is not to be construed as an offer to sell.

All prices are subject to change without notice and due to market conditions over which we have no control, cannot be guaranteed. Orders will be accepted on the basis of the market price prevailing at the time of shipment.

We cannot be held responsible for any errors or omissions in the price service.

## **Taxes**

Sales tax will be added to all invoices unless you have furnished us with a Sales Tax Exemption Certificate for your purchases.

## **Return Goods**

Materials may be returned for credit with prior approval and authorization from our office. Any material claimed defective that is covered by factory warranty must be accompanied by the necessary warranty information. When authorization to return goods is requested, the date of the purchase and our invoice number must be given to either our salesperson or the office.

## **Special Materials or Non-Stock Orders**

Orders for non-stock or special items cannot be cancelled or returned for credit without factory approval. If approval is obtained, credit will be allowed for the net salvage value allowed by the factory.

## **Warranty**

The products we sell are guaranteed only to the extent of the manufacturer's warranty. No allowances will be made for labor, damage or kindred claims, and Plumb Supply Company cannot be held liable for any product liability claims, freight shortages or other claims over which we have no control.



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**Air Cleaners**

**Air Cleaners**

**F100 Media Air Cleaner**

- High efficiency media filter captures particles as small as 0.3 microns
- Applicable to all gas, oil and electric forced air furnaces and to compressor cooling up to 5 tons
- Mounts in the return air duct
- Rugged zinc-coated, roll-formed cabinet resists corrosion
- Requires no electrical connections
- Mounts in any position
- Requires no maintenance except periodic media filter replacement
- Quick and easy media filter replacement



Part #	Mfg #	Description	Price
186814	F100F2010	Media Air Cleaner, 20" x 25" x 4", MERV11	
144637	F100F2002	Media Air Cleaner, 16" x 25"	

**F300 Electronic Air Cleaner**

- Media post-filter provides enhanced filtration on select models
- Solid state power supply is self-regulating and maintains peak efficiency during a wide range of cell dirt loading conditions
- Low-profile door with test button to check system operation
- Helps filter efficiency-robbing "gunk" before it coats critical system parts
- Very low pressure drop
- Exclusive 10-year Clean Coil Guarantee
- Rugged zinc-coated, roll-formed cabinet provides superior strength and corrosion protection



Part #	Mfg #	Description	Price
174188	F300E1019/U	Electronic Air Cleaner, 16"x25" w/ Performance Enhancing Post-Filter	
174189	F300E1027/U	Electronic Air Cleaner, 20"x20" w/ Performance Enhancing Post-Filter	

**Merv 11 Air Cleaner**

- Replacement filter for DR65A1000



Part #	Mfg #	Description	Price
135480	50049537-005	Media Air Cleaner, Merv 11	

**Air Cleaners**

**Ultraviolet Air Treatment**

**UV Air Purifier with AirBRIGHT Odor Absorption**

- installed in the ductwork of your central air system and is designed to help reduce airborne odors, toxic chemical vapors, germs and mold in your home
- Lamp is Always On
- Replace Lamp Annually
- AirBRIGHT Odor Absorber never needs replacing
- SnapLamp™ features replacement lamp handle with detachable replacement lamp.
- Universal Installation with a single product
  - UV Only
  - UV + Odor Removal
  - Internal Mount
  - External Mount



Part #	Mfg #	Description	Price
163862	UV2400U5000	24V UV Air Purifier with AirBRIGHT Odor Absorption	

**120V Ultraviolet Treatment**

- Return air application
- Operating temperature range:  
Outside duct -- 30°F to 104°F  
Inside duct -- 30°F to 140°F
- Reduces contaminants like airborne bacteria



Part #	Mfg #	Description	Price
110564	UV100E2009	120VAC, 36W Each	

**Sail Switches**

**S688 Sail Switch**

- Used in forced air systems to activate electronic air cleaners, humidifiers or other auxiliary equipment in response to air flow from system fan
- Polyester film sail mounted on a micro switch snap switch
- SPDT Switching
- Top and bottom conduit knockouts for wiring convenience
- Low air velocity switch operation makes at 250 fpm and breaks at 75 fpm



Part #	Mfg #	Description	Price
006785	S688A1007	5" Wide Sail, 26.2 sq in of Area, 10" Insertion Length	

**Air Cleaners**

**Air Cleaners**

**Ruud Media Air Cleaner**

- Fits a wide variety of equipment
- Platinum metallic paint
- Rugged cabinet construction



Part #	Mfg #	Description	Price
086516	84-25050-01	O/A Dimension: 20-1/4"H x 24-7/8"D x 7-1/8"W MERV8 2000 cfm	
035230	84-25050-03	O/A Dimension: 23-1/2"H x 25-5/8"D x 15-1/2"W, Right Angle	
088498	84-25050-06	O/A Dimension: 16-1/4"H x 24-7/8"D x 7-1/8"W MERV8 1400 cfm	

**Electronic Air Cleaner**



Part #	Mfg #	Description	Price
129583	84-25052-07	Dimensions: 20-1/4"H x 24-7/8"D x 7-1/8"W, 1400 cfm	

**IAQ Chemicals**

**ClenAir Gel Tub**

- Place open tub in HVAC ductwork or in room near source of odor
- Available in regular or cherry



Part #	Mfg #	Description	Price
041980	851500	1/2 lb Clenair Gel Tub	
042554	851501	1 lb Clenair Gel Tub	
042555	85-1503	3 lb Clenair Gel Tub	





## Air Cleaners

### Air Cleaners Media Air Filter

Part #	Mfg #	Description	Price
042237	84-16X20-1	16" x 20" x 1", Polarized	
042238	84-16X25-1	16" x 25" x 1", Polarized	
045033	84-20X20-1	20" x 20" x 1", Polarized	
042239	84-20X25-1	20" x 25" x 1", Polarized	
109749	84-28X32-1	28" x 32" x 1"	

### Filter Base - ACG Series

- Uses standard filter sizes
- Gasketed door
- Fully insulated
- Upflow with hinged door



Part #	Mfg #	Outside Dim (W x L x H)	Price
077769	54-1625-G6	17-3/8" x 28-1/2" x 5-3/4"	

## UV Air Cleaners

### Ultraviolet Air Disinfection Systems

#### UltraMAX™ UMX Remote UV Lamp Series with UltraVation® T3™

- T3™ is a patented lamp system that maximizes performance, safety and economy
- Unique interlock that safely turns off UV before lamp removal



Part #	Mfg #	Description	Price
112482	UMX-2412-EZ	(1) 12" Enhanced High Output UV Lamp	

#### UltraMAX™ UME Single Remote UV Lamp Series with UltraVation T3™

- T3™ is a patented lamp system that maximizes performance, safety and economy
- Unique interlock that safely turns off UV before lamp removal



Part #	Mfg #	Description	Price
125775	UME-1900T	(1) 17" 110V Remote Mount UV Lamp with Odor Control	
125781	UME-1902T	(2) 17" 110V Remote Mount UV Lamp with Odor Control	

### UV Replacement Lamps



AS-IH-1001



LPPP-0002



AS-IH-1003

Part #	Mfg #	Description	Fits Model	Price
112052	AS-IH-1001	12" T3 Remote UV-C Lamp		
060697	LPPP-0002	16" "U" Shaped UV Lamp	UME-1036, 2036 UVS-1036, 2036 UVE-1036, 2036	
126917	AS-IH-1003	17" UV, UV-C Lamp	All UltraMax, UVS, UVE Germicidal UV Series, and Phototronic Air Cleaner Models	

### Indoor Air Cleaners

#### Progressive® Media Air Cleaner

- Pleated, layered design
- Produces no ozone
- Filters electrostatically charged
- Custom color match available
- Private label options available
- Includes rails that accepts most major brands of media

Part #	Mfg #	Description	Size	Color	Price
239006	90-064P04	Right Angle MERV 11	20" x 25" x 5"	Gray	

**UV Air Cleaners**

**Air Purifiers**

**P900GX Portable UV Air Purifier**

- Dual zone 19mm UVC/UVV Quartz lamp destroys biological and chemical contaminants
- 9 Electronically controlled speeds
- Touch-pad digital controls with count-down timer
- Purifies up to 900 square feet
- 85 Watts
- Weight: 11 lbs
- Includes integral stand and handle
- Wall mountable
- 3-Year warranty on parts including UV lamp

Part #	Mfg #	Description	Price
141942	P900GX	Dual UVC/UVV Air Purifier	

**Sanuvox SR+ In-Duct UV Air Treatment System**

- Whole-home system designed to destroy viruses, germs, bacteria, mold, chemicals, odors, allergens & VOCs
- Patented process includes 19mm Quartz UVC/UVV 'J' Lamp
- Multi-color LED Status Display provides important user information
- Most advanced air treatment system available
- 110 / 220V operation
- Microprocessor controlled Thermistor for automatic operation
- UV Chamber rotates for up-flow or down-flow systems
- 3 year warranty including UV Lamp
- ETL



Part #	Mfg #	Description	Price
161214	SR+	In-Duct UV Whole-Home (up to 2,000 sq ft) Air Purification System	

**Sanuvox R+ In-Duct UV Air Purification System**

- Whole-home system designed to destroy viruses, bacteria, mold, chemicals, odors, allergens and VOCs
- High-intensity UV 'J' lamp (18" arc length), turbulator and reflecting chamber parallel to the airflow
- Microprocessor controlled for automatic operation
- UV Chamber rotates 360° for up or down-flow systems
- Fiber board kit included
- 3-Year warranty including UV lamp



Part #	Mfg #	Description	Price
139088	R PLUS +	In-Duct UV Whole-Home Air Purification System	

**UV Replacement Bulbs**

**T6 Dual Zone High Intensity Replacement Lamp**

- UVC/UVV Germicidal/oxidizing

Part #	Mfg #	Description	Price
141941	LMPHGXJ105	10.5" UV J Lamp for R4000GX, S300HFX	

## Air-to-Air Heat Exchangers

### Heat Recovery Ventilators

#### MAX Series Residential HRV

- 5-Speed electronics
- Lifestyle MAX digital control included
- Compact electrically powered
- Aluminum heat exchange core
- Built-in dehumidistat
- Easy installation
- Increases air exchange rate when humidity rises
- Easy clean filters
- Quiet and reliable five speed motor
- 5-Year warranty on parts, lifetime on heat exchange core



Part #	Mfg #	Dimensions H x W x D	Defrost Type	Electrical	CFM @ 0.1" ESP	Ship Wt	Price
033812	95MAX	24-1/2" x 18-1/2" x 16"	Recirculating	120-1-60	76	56 lbs	
027707	155MAX	19" x 33-5/8" x 14-3/4"	Damper	120-1-60	144	73 lbs	
166054	100-ECM	18-3/4" x 33.62" x 14-3/4"	Recirculating				

#### RNC Series Residential HRV

- 2-Speed electronics
- Each air stream has one centrifugal blower driven by a common PSC motor
- Compact electrically powered
- Patented aluminum core
- Built-in dehumidistat
- Built-in relay for interfacing to furnace
- Damper defrost system
- Cross-flow heat recovery core transfers heat between two air streams, removable for cleaning
- Washable air filters
- Suffix: DX = with 99-DX01 digital control
- 5-Year warranty on parts, lifetime on heat exchange core



Part #	Mfg #	Dimensions H x W x D	Defrost Type	Electrical	CFM @ 0.1" ESP	Ship Wt	Price
188379	RNC-155BC02	19" x 33-5/8" x 14-3/4"	Recirculating	120-1-60	144	67 lbs	
188380	RNC-200BC02	19" x 33-5/8" x 14-3/4"	Recirculating	120-1-60	207	67 lbs	

## Air-to-Air Heat Exchangers

### Turbulent Flow Precipitators Whole House Air Cleaner

- Removes close to 99.4% of coarser particles such as pollen, fungus spores, dust, animal dander and dirt
- Removes close to 90% of tobacco smoke and wood smoke particles and some bacteria
- Filters down to 1/10 of a micron
- Motor: 2-speed, high efficiency PSC motor
- Filters: (1) replaceable TFP collector and (1) replaceable HEPA filter



#### Turbulent Flow Precipitators Parts

Part #	Mfg #	Description	Price
118135	65-502R	(1) Replacement HEPA Filter	
080808	65-503R	(1) Replacement TFP Collector	

### Indoor Pool and Spa Heat Recover Ventilators

- Controls humidity in wet areas such as pools, spas, whirlpools, saunas, and personal gyms



Part #	Mfg #	Description	Price
077178	700 DD POOL	(2) Air Stream Sections: Each w/PSC, 3-Speed, Sngl Shaft, 120VAC, 4.5A, 1/4 hp, 1450 rpm Motor	

### Optional Remote Controls

#### Digital Electronic Timers

- Can be mounted up to 60' from HRV
- Can override the base module and activate high speed operation
- Easy to install and operate
- Works well in bathrooms, laundries, and other high moisture areas
- Touch pad operation
- Childproof lockout feature
- 20/40/60 Minute status lights
- 60' (18 m) maximum wire length only, may be wired in parallel if no other controls are used



Part #	Mfg #	Connects To	Color	Price
039208	99-107W	Cover Plate for 99-104	White	

### Timers

#### Crank Timer

Part #	Mfg #	Description	Color	Price
030653	99-101	Rotate the Dial for up to 60 Minutes of High Speed Operation	White	



## Air-to-Air Heat Exchangers

### Lifestyle Controls and Timers

#### Lifestyle MAX Programmable Control

- Fully-featured, 5-speed operation
- (4) User selectable operational modes (not available on all models)
- Built-in interface to furnace
- Automatic service reminder
- Automatic control based on outdoor temperature sensing
- Easy-to-read, backlit LDC screen
- Automatic dehumidistat disable
- Optional upgrade



Part #	Mfg #	Description	Color	Price
125853	99-LS01	(4) User Selectable Modes, 5-Speed Operational Control	White	

#### MAX Series Digital Wall Control

- Slim-line design
- Service indicator
- 5-Speed fan setting
- Electronic dehumidistat
- Standby setting (fan speed 0)
- 20/40/60 High speed override button
- Compatible with 99-DET02 wireless timers
- Connects to 3 wire 20 gauge low voltage wire
- Five modes of operation
  - Continuous ventilation
  - 20 min. ventilation / 40 min. recirculation
  - 20 min. ventilation / 40 min. off
  - 10 min. ventilation / 50 min. off
  - Continuous recirculation



Part #	Mfg #	Description	Color	Price
190256	99-DXPL02	(5) Selectable modes, Electronic Dehumidistat	White	

#### Lifestyle RNC Digital Control

- (4) Selectable operational modes (not available on all models)
- 2-Speed operation on each mode
- Adjustable dehumidistat function
- Dehumidistat disable
- Optional on RNC



Part #	Mfg #	Description	Color	Price
125854	99-DX01	Adjustable Digital Dehumidistat RNC Control	White	

## Air-to-Air Heat Exchangers

### Lifestyle RNC Dehumidistat

- Initiates high speed when the indoor humidity level is above the setpoint
- Optional on RNC



Part #	Mfg #	Description	Color	Price
125855	99-DH01	RNC Series Dehumidistat	White	

### Lifestyle RNC Ventilation Control

- 2-Speed operation
- Standby
- Dehumidistat
- Optional on RNC



Part #	Mfg #	Description	Color	Price
125856	99-BC01	RNC Series Ventilation Control	White	

### Lifestyle 20/40/60 Minute Timer

- Initiates high speed operation for 20, 40, or 60 minutes
- Compatible with MAX and RNC Series



Part #	Mfg #	Description	Color	Price
125858	99-DET01	20/40/60 Minute Timer	White	

### Wireless 20/40/60 Minute Timer

- Estimated range of 40 feet
- Initiates high speed operation for 20, 40, or 60 minutes
- Compatible with Repeater (99-RX02)
- Can be surface or E-box mounted
- Includes battery

Wireless timer is not backwards compatible



Part #	Mfg #	Description	Color	Price
240371	99-DET02	20/40/60 Minute Timer	Grey	

## Air-to-Air Heat Exchangers

### Lifestyle RNC Remote Dehumidistat

- Detects increasing humidity and controls it by boosting rate of ventilation
- For use in kitchen, bathroom, spa or swimming pool or anywhere humidity is a concern
- 2 Wire low voltage control device



Part #	Mfg #	Description	Connects To	Color	Price
028792	99-116	Remote Vent Control w/HRV System Switch	Black & Red Terminals	White	

### Dampers

Part #	Mfg #	Description	Price
092347	99-RSK6	6" Spring Loaded Damper	

### Weatherhood Kits

- Ideal for HRV/ERV and in-line applications
- High density polyethylene for a durable, long life even in severe climate
- No moving parts, eliminates freezing or sticking potential
- Includes:
  - (2) Hoods
  - 12" Wall sleeve
  - Duct collar
  - Insect/animal screens



Part #	Mfg #	Size	Color	Price
027708	99-186	6" Diameter	White	
028790	99-187	7" Diameter	White	

### Dual Vent Hoods

- Requires only (1) 6" opening for intake/exhaust
- Damage-resistant metal construction for exterior wall connection
- Durable rigid plastic
- Suitable for 5" or 6" connections
- Maximized airflow with lower pressure drop
- Fire-rated, UV-resistant materials
- Ideal for space-constrained HRV or ERV applications
- Includes:
  - Hood assembly
  - Duct splitter
  - Duct insulator (2 pieces)
  - Retainer screw assembly
  - Nylon cable tie
  - Screen



Part #	Mfg #	Description	Color	Price
141190	99-190	Fully Adjustable Thermal Insulation	White	

### Accessories

Part #	Mfg #	Description	Price
037748	99-110	HRV/TFP/CAF Interface Relay Kit	

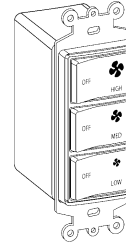
**Air-to-Air Heat Exchangers**

**Accessories (Continued)**

Part #	Mfg #	Description	Price
240372	99-RX02	Wireless Repeater	

**Optional 3-Speed Control**

- 3-Speed high/medium/high
- On/off
- 4-Wire, 20 gauge wire



Part #	Mfg #	Description	Price
077599	99-500	3-Speed Control	

**Air-to-Air Heat Exchangers**

**Ventilation**

**TrueFRESH Energy Recovery Ventilator**

- TrueFRESH eliminates the need for overhead ducting, and balance without adjusting dampers, they change everything when it comes to time consuming installation
- Removable duct collars
- Damperless balancing
- Adjustable hanging straps
- Centralized wiring and speed control
- Customizable
- Compact size
- Meets ASHRAE 62.2 standards
- 5-Year warranty



Part #	Mfg #	Description	Price
152253	VNT5200E1000U	200 cfm Energy Recovery Ventilator, 120 VAC, 60 Hz	

**TrueFRESH Heat Recovery Ventilator**

- TrueFRESH eliminates the need for overhead ducting, and balance without adjusting dampers, they change everything when it comes to time consuming installation
- Removable Duct Collars
- Damperless Balancing
- Adjustable Hanging Straps
- Centralized Wiring and Speed Control
- Customizable
- Compact Size
- Meets ASHRAE 62.2 Standards
- 5-Year Warranty



Part #	Mfg #	Description	Price
244778	VNT5070H1000U	120 VAC, 60 Hz, 70 cfm at external static pressure 0.4" wc	
243914	VNT5150H1000U	120 VAC, 60 Hz 150 cfm at external static pressure 0.4" wc	

## Humidifiers/Dehumidifiers

### Humidifiers

#### TrueEASE™ Flow-Through Humidifier

- Up to 30% water savings, up to 50% water savings with fan-powered model
- PerfectFLO™ water distribution tray
- Common-sense interface
- AgION® humidifier pads with anti-microbial coating
- User-friendly pad access
- Interchangeable bypass
- Integrated wiring and quick-connect plumbing
- Includes humidifier, saddle valve, water supply line, 10' drain hose, H8908 manual humidity control, hardware, mounting template and owner's manual



Advanced Bypass

Fan-Powered

Part #	Mfg #	Description	Output	Price
134722	HE100A1000	Bypass Small Basic	12 gpd	
134723	HE150A1005	Bypass Small Advanced	12 gpd	
134724	HE200A1000	Bypass Large Basic	17 gpd	
134725	HE250A1005	Bypass Large Advanced	17 gpd	
134726	HE300A1005	Fan-Powered Advanced	18 gpd	

### Humidifier Replacement Pads



HC22A

Part #	Mfg #	Description	Price
030568	HC22A1007	HE220 Pad for HE220, HE225, Aprilaire 110,220,550,558	
034029	HC26A1008	HE260, HE360 Pad for HE260, HE265, HE360, HE365, Aprilaire 350,360,560,568, 600,700,760,768	
144661	HC26E1004	HE200, HE250, HE260, HE265, HE300, HE360, HE365, Aprilaire 350, 360, 560, 568, 600, 700, 760, 769	
146138	HC22E1003	HE225 Pad with AGION™ Coating for HE220, HE225, Aprilaire 110,220,550,558	

### Remote Mount Kit

Part #	Mfg #	Description	Price
111236	50024917-001	10' Remote Mount Kit for All TrueSTEAM Humidifiers	
111237	50024917-002	20' Remote Mount Kit for HM512 and HM509R TrueSTEAM Humidifiers	
185466	HM700ADISTKIT/ U	5' Stainless Steel Remote Mount Kit for H6062 HumidPRO™ Humidifier	

### Reverse Osmosis Water Filter for Honeywell Steam Humidifier

- TrueSTEAM
- 40°F - 100°F

Part #	Mfg #	Description	Price
216297	HM600XROF1U	RO Water Filter for TrueSTEAM Humidifiers	



**Humidifiers/Dehumidifiers**

**Humidity Controllers**

**H1008 Automatic Humidity Controller**

- Provides automatic control for by-pass, flow-through, powered flow-through, steam and drum humidifiers in central heating systems
- Patented Honeywell HumidiCalc+™ software
- Combination temperature and humidity sensor
- Automatically adjusts humidity level based on frost factor set by user
- Duct-mounted
- System status light indicates normal operation, test mode and fault



Part #	Mfg #	Description	Price
037361	H1008A1008	Humidifier, 95% RH@95°F (Non-Condensing), Dew Point Control	

**H8908 Humidistat/Dehumidistat**

- Provides automatic low voltage control of humidifier and dehumidifiers or ventilators
- SPST, snap-acting, dust-proof switch designed for wall or surface duct mounting
- Positive on and off settings
- 12" Moisture sensitive nylon ribbon wound around three bobbins effectively gives optimum control for reliable operation under changing ambient conditions



Part #	Mfg #	Application	Color	Price
111239	H8908ASPST	Humidification	White	
134079	H8908DSPST	Dehumidification	White	

**H6062 HumidPRO™ Digital Humidity Control**

- Automatic humidification (window protection) with included outdoor sensor
- Manual humidification control
- Manual dehumidification control
- Dehumidifier compressor protection
- Large, digital backlit display
- Simple, intuitive programming
- RH% and outdoor temperature calibration
- Adjustable high and low range stops (10-90%)
- Automatically detects presence of outdoor sensor to set control to Automatic or Manual Mode



Part #	Mfg #	Description	Price
171473	H6062A1000	Manual Mode: 10% to 90% RH% (Adjustable) Auto Mode: 10% to 60% RH% (35% Default)	

## Humidifiers/Dehumidifiers

### Power Humidifiers - Drain Type

#### 1042 Legacy Series - By-Pass Flow-Through Power Humidifier

- Installs on vertical warm air supply or cold air plenum
- 6" Diameter side bypass duct (collar supplied)
- Plenum opening: 10-1/4"W x 9-1/2"H
- Replacement filter: 990-13 evaporator pad
- Order 1/4" tubing separately
- 5-Year limited warranty



Part #	Mfg #	Description	GPD	Unit Size	Electrical	Price
004860	1042LH	Recirculating Type, MHX3 Humidistat	19.2	11-1/2" x 15" x 9"	115V/60Hz	

**Humidifiers/Dehumidifiers**

**Dehumidifiers**

**Dehumidifier - 50 Point**

- *Chevalier 11*
- *Large capacity water tank*
- *Smart Dehumidifying mode*
- *115/60/1 Power supply*
- *Moisture removal at 30°C, 80% R.H. : 50*
- *Moisture removal at 27.2°C, 60%R.H. : 530*



Part #	Mfg #	Description	Price
225580	CBD-50H1A-D11L	50 Point Dehumidifier	

**Humidifier Parts & Accessories**

**Evaporator Pads**



84-25055-01

Part #	Mfg #	Description	Price
089995	84-A97	Autoflo Drum Type Evaporator Pad	
090002	84-4EP	Autoflo Metal Evaporator Pad	
059586	84-25055-01	9"x14"x2" Evaporator Pad	
044159	84-25055-02	9"x11"x2" Evaporator Pad	

**Humidifiers/Dehumidifiers**

**Dehumidifiers**

**TrueDRY DH65 Whole-House Dehumidifier**

- Removes up to 65 pints of water from the indoor air
- Built-in humidity control requires no additional wiring to an external control
- Choice of external control options also available for centrally ducted control
- Feedback on operation and maintenance provided via intuitive on-board LED light interface
- MERV 11 Filtration



Part #	Mfg #	Description	Price
148234	DR65A2000	8" Diameter Plenum Opening w/o Controls Uses R-410A Refrigerant	

**TrueDRY DR90 Whole-House Dehumidifier**

- Removes up to 90 pints of water from the indoor air
- Built-in fresh air supply
- Uses only 6.7 amps for energy efficiency
- MERV 11 Filtration
- R-410A compliant
- 5-Year warranty
- Energy Star® rated



Part #	Mfg #	Description	Price
131281	DR90A2000	10" Plenum Opening with 6" Ventilation Collar, less Control	

**DR90/DR120 Filter**

Part #	Mfg #	Description	Price
153194	50070171-002	TruDry Filter used with DR90A2000 and DR120	

**TrueDRY DR120 Whole-House Dehumidifier**

- Removes 120 pints of water per day from the indoor air
- Built-in fresh air supply
- Energy Star Rated
- E-Coated Coil delivers longer life and increased efficiency
- Certifications include UL474, CSA, C22.2 No 92



Part #	Mfg #	Description	Price
241584	DR120A3000	10" Plenum Opening with 6" Ventilation Collar	

**Humidifiers/Dehumidifiers**

**Humidifiers**

**Advanced Electrode Humidifier**

- On-demand steam humidification solution
- 60Hz frequency
- 120v or 240v voltage
- 11 or 22 gallons per day
- Duct or wall mounting
- Communtion with a variety of thermostat options including Lyric, PrestigeIAQ, and VisionPRO™ HumidiPRO™ included
- Humidifier replacement cylinder designed for Rapid, simplified, DIY replacement —Recommended annually dependent on water quality



Part #	Mfg #	Size	Color	Price
240934	HM750A1000/U	10"W x 7"H x 20"L	Silver	

**HM750 Advanced Electrode Humidifier Replacement Cylind**

- On-demand steam humidification solution
- 11 or 22 gallons per day
- Used with HM750 Honeywell electrode steam humidifier
- Communtion with a variety of thermostat options including Lyric, PrestigeIAQ, and VisionPRO™ HumidiPRO™ included
- Humidifier replacement cylinder designed for Rapid, simplified, DIY replacement —Recommended annually dependent on water quality



Part #	Mfg #	Size	Color	Price
240939	HM750ACYL/U	6"W x 13"H x 5.57"L	White	

**HM750 Advanced Electrode Humidifier Steam Hose**

- On-demand steam humidification solution
- Used with HM750 Honeywell electrode steam humidifier
- Communtion with a variety of thermostat options including Lyric, PrestigeIAQ, and VisionPRO™ HumidiPRO™ included
- Humidifier replacement cylinder designed for Rapid, simplified, DIY replacement —Recommended annually dependent on water quality

Part #	Mfg #	Size	Color	Price
240940	HM750AHOSEKIT/U	15 ft	Black	

**Humidifiers/Dehumidifiers**

**HM750 Advanced Electrode Humidifier Nozzle Kit**

- *Kit includes:*
  - Steam hose
  - Condensate hose
  - Steam distributor
  - Installation hardware
- *On-demand steam humidification solution*
- *Used with HM750 Honeywell electrode steam humidifier*
- *Communtion with a variety of thermostat options including Lyric, PrestigeIAQ, and VisionPRO™ HumidiPRO™ included*
- *Humidifier replacement cylinder designed for Rapid, simplified, DIY replacement*
  - Recommnedded annually dependent on water quality*

Part #	Mfg #	Size	Color	Price
240941	HM750ANKIT/U	5"W x 15"H x 5"L	-	

**HM750 Advanced Electrode Humidifier Replacement PC Board**

- *60Hz frequency*
- *120v or 240v voltage*
- *Communtion with a variety of thermostat options including Lyric, PrestigeIAQ, and VisionPRO™ HumidiPRO™ included*
- *Humidifier replacement cylinder designed for Rapid, simplified, DIY replacement*
  - Recommnedded annually dependent on water quality*

Part #	Mfg #	Size	Color	Price
240942	HM750APCB/U	5"W x 1.65"H x 9.5"L	Green	

**HM750 Advanced Electrode Humidifier Valve Kit**

- *Use with HM750 Honeywell electrode steam humidifier*
- *Communtion with a variety of thermostat options including Lyric, PrestigeIAQ, and VisionPRO™ HumidiPRO™ included*
- *Humidifier replacement cylinder designed for Rapid, simplified, DIY replacement*
  - Recommnedded annually dependent on water quality*

Part #	Mfg #	Size	Color	Price
240943	HM750AVKIT/U	4"W x 5"H x 4"L	-	



**Permanant Filters**

**Permanant Filters**

**Red Label Permanent Air Filters**

- Peak dust arrestance is 82%
- Dust holding capacity: 147 gm



Part #	Mfg #	Size	Price
195136	AFR14141	14" x 14" x 1"	
197680	AFR163821121	16-3/8" x 21-1/2" x 1"	

## Throwaway Filters

### Z-Line Pleated Series Filters

- Ideal in high velocity systems where maximum square footage of media is necessary
- Features 100% synthetic fibers laminated to galvanized metal backing
- Designed to be utilized as either pre-filters or primary filters in virtually every commercial, industrial, and residential HVAC application
- MERV 7
- 100% Synthetic, charged media



### 1" ZL Z-Line Series Pleated Filter

Part #	Mfg #	Size	Price
102089	ZLP10201	10" x 20" x 1"	
004301	ZLP12121	12" x 12" x 1"	
102091	ZLP12201	12" x 20" x 1"	
102092	ZLP12241	12" x 24" x 1"	
102094	ZLP14201	14" x 20" x 1"	
042535	ZLP14251	14" x 25" x 1"	
112438	ZLP14301	14" x 30" x 1"	
102095	ZLP15201	15" x 20" x 1"	
035858	ZLP16201	16" x 20" x 1"	
102093	ZLPSP1E	16" x 22" x 1"	
036832	ZLP16251	16" x 25" x 1"	
110862	ZLP18181	18" x 18" x 1"	
070781	ZLP18201	18" x 20" x 1"	
109164	ZLP18241	18" x 24" x 1"	
038324	ZLP20201	20" x 20" x 1"	
102099	ZLP20241	20" x 24" x 1"	
038325	ZLP20251	20" x 25" x 1"	
115791	ZLPSP22D29H1	22.25" x 29.5" x 1"	
102096	ZLP24241	24" x 24" x 1"	
053645	ZLP25251	25" x 25" x 1"	
115787	ZLPSP27M31M1	27-3/4" x 31-3/4" x 1"	
115788	ZLPSP27M35M1	27-3/4" x 35-3/4" x 1"	
131831	ZLPSP1K28341	28" x 34" x 1"	
115793	ZLPSP28D30H1	28.25" x 30.5" x 1"	
121768	ZLP30361	30" x 36" x 1"	
115794	ZLPSP30B32H1	30.125" x 32.5" x 1"	

### 2" ZL Z-Line Series Pleated Filter

Part #	Mfg #	Size	Price
004314	ZLP16162	16" x 16" x 2"	
031788	ZLP16202	16" x 20" x 2"	
159073	ZLP16242	16" x 24" x 2"	

### Z-Line Pleated Series Filters (Continued)

#### 2" ZL Z-Line Series Pleated Filter

Part #	Mfg #	Size	Price
027336	ZLP16252	16" x 25" x 2"	
047466	ZLP18182	18" x 18" x 2"	
042085	ZLP18242	18" x 24" x 2"	
030585	ZLP20202	20" x 20" x 2"	
121378	ZLP20242	20" x 24" x 2"	
034676	ZLP20252	20" x 25" x 2"	
094283	ZLP24242	24" x 24" x 2"	
040794	ZLP25252	25" x 25" x 2"	

#### 4" ZL Z-Line Series Pleated Filter

Part #	Mfg #	Size	Price
083372	ZLP16204	16" x 20" x 4"	
063647	ZLP16254	16" x 25" x 4"	
071312	ZLP20204	20" x 20" x 4"	
023474	ZLP20254	20" x 25" x 4"	
050395	ZLP24244	24" x 24" x 4"	

### Z-Line Series Media Replacement Filters

#### Z-Line Series 500AB and 300AB Air Cleaner Media

- Replacement options for Trion Air Bear® and Air Cub® filters
- 100% Synthetic, charged media



Part #	Mfg #	Size	Price
080685	ABP16255	16" x 25" x 5", Merv 10	
102417	ABP20255	20" x 25" x 5"	

### Filter Pads & Bulk Media

- UL Class 2

#### FSR Fiberglass Service Roll



Part #	Mfg #	Size	Price
004334	FSR30201	30" x 20' x 1"	
004336	FSR36201	36" x 20' x 1"	

**Throwaway Filters**

**Carbon Media Filters**

- *MERV 13*
- *Activated carbon core*
- *Rated life cycle: 30 - 90 days*



**Replacement Carbon Media Filter Pad**

Part #	Mfg #	Size	Qty	Price
109748	C3P2832	28" x 32"	3/Pk	
099419	C3P2836	28" x 36"	3/Pk	



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## Throwaway Filters

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### Disposable Media Filters

#### Filter Media

Part #	Mfg #	Description	Price
045070	54-25051-02	Filter Media 3"	

#### Media Air Filter

Part #	Mfg #	Description	Price
131298	540013	4-1/2" 2,000 CFM	

**Throwaway Filters**

**Air Filters**  
**Media Air Filters**



Part #	Mfg #	Description	Price
062226	54-14X25-R	14" x 25", 3/Pk	
042240	54-16X20-R	16" x 20", 3/Pk	
042241	54-16X25-R	16" x 25", 3/Pk	
048021	54-20X20-R	20" x 20", 3/Pk	
042242	54-20X25-R	20" x 25", 3/Pk	

## Throwaway Filters

### Commercial & Industrial Disposable Panel Filters

- Economical air filters designed for light-to-medium duty air filtration applications
- Durable construction for all types of industrial and commercial applications
- Progressive density glass or poly filter media
- Heavy-duty frame and corners for added strength and durability
- Environmentally friendly
- Special sizes available
- Easy to install



#### 1" Polyester Media

- Dual-layered high performance media for applications where synthetic filter media is specified

Part #	Mfg #	Size	Price
196132	FF10101	10" x 10" x 1"	
192104	FF10201	10" x 20" x 1"	
192116	FF10251	10" x 25" x 1"	
193946	FF10301	10" x 30" x 1"	
192100	FF12121	12" x 12" x 1"	
192105	FF12201	12" x 20" x 1"	
194254	FF12161	12" x 16" x 1"	
192113	FF12241	12" x 24" x 1"	
192117	FF12251	12" x 25" x 1"	
193638	FF12301	12" x 30" x 1"	
192101	FF14141	14" x 14" x 1"	
192103	FF14181	14" x 18" x 1"	
192106	FF14201	14" x 20" x 1"	
193455	FF14241	14" x 24" x 1"	
192118	FF14251	14" x 25" x 1"	
192126	FF14301	14" x 30" x 1"	
192107	FF15201	15" x 20" x 1"	
192119	FF15251	15" x 25" x 1"	
192102	FF16161	16" x 16" x 1"	
192108	FF16201	16" x 20" x 1"	
194314	FF16241	16" x 24" x 1"	
192121	FF16251	16" x 25" x 1"	
192127	FF16301	16" x 30" x 1"	
194330	FF18181	18" x 18" x 1"	
193758	FF18201	18" x 20" x 1"	
193280	FF18241	18" x 24" x 1"	
192122	FF18251	18" x 25" x 1"	
193639	FF18301	18" x 30" x 1"	
192110	FF20201	20" x 20" x 1"	

### Commercial & Industrial (Continued) 1" Polyester Media

Part #	Mfg #	Size	Price
192114	FF20241	20" x 24" x 1"	
192123	FF20251	20" x 25" x 1"	
193195	FF20301	20" x 30" x 1"	
192111	FF22221	22" x 22" x 1"	
192115	FF24241	24" x 24" x 1"	
192128	FF24301	24" x 30" x 1"	
192124	FF25251	25" x 25" x 1"	

#### 2" Polyester Media

- Dual-layered high performance media for applications where synthetic filter media is specified

Part #	Mfg #	Size	Price
192133	FF12242	12" x 24" x 2"	
193471	FF14202	14" x 20" x 2"	
194405	FF14252	14" x 25" x 2"	
192132	FF16162	16" x 16" x 2"	
192135	FF16202	16" x 20" x 2"	
193431	FF16242	16" x 24" x 2"	
192140	FF16252	16" x 25" x 2"	
193430	FF18242	18" x 24" x 2"	
199327	FF18252	18" x 25" x 2"	
192136	FF20202	20" x 20" x 2"	
193618	FF20242	20" x 24" x 2"	
192141	FF20252	20" x 25" x 2"	
194346	FF24242	24" x 24" x 2"	
192142	FF25252	25" x 25" x 2"	

### Special Size Polyester Disposable Filters

#### 1" Filters

Part #	Mfg #	Size	Price
201112	FF10161	10" x 16" x 1"	
213283	FF11201	11" x 20" x 1"	
196940	FF12141	12" x 14" x 1"	
204077	FF12211	12" x 21" x 1"	
202132	FF12221	12" x 22" x 1"	
197497	FF13201	13" x 20" x 1"	
202021	FF13211	13" x 21" x 1"	
196090	FF1321121	13" x 21-1/2" x 1"	
199595	FF131221121	13-1/2" x 21-1/2" x 1"	
194345	FF14161	14" x 16" x 1"	
201093	FF15151	15" x 15" x 1"	
196210	FF15221	15" x 22" x 1"	
203341	FF15241	15" x 24" x 1"	



**Throwaway Filters**

**Commercial & Industrial (Continued)  
Special Size Polyester Disposable Filters**

**1" Filters**

Part #	Mfg #	Size	Price
192120	FF16221	16" x 22" x 1"	
204616	FF1621121	16" x 21-1/2" x 1"	
196089	FF163821121	16-3/8" x 21-1/2" x 1"	
203344	FF161421121	16-1/4" x 2-1/2" x 1"	
198758	FF1712201	17-1/2" x 20" x 1"	
194677	FF18221	18" x 22" x 1"	
193115	FF20221	20" x 20" x 1"	
196088	FF2021121	20" x 21-1/2" x 1"	
202535	FF211223121	21-1/2" x 23-1/2" x 1"	
197777	FF211223341	21-1/2" x 23-3/4" x 1"	

**2" Filters**

Part #	Mfg #	Size	Price
206602	FF10252	10" x 25" x 2"	
213059	FF14262	14" x 26" x 2"	
195987	FF15202	15" x 20" x 2"	
204378	FF16302	16" x 30" x 2"	
193668	FF18182	18" x 18" x 2"	

**Special Size Fiberglass Disposable Filters**

**1" Filters**

Part #	Mfg #	Size	Price
204439	FG163821121	16-3/8" x 21-1/2" x 1"	
205127	FG2021121	20" x 21-1/2" x 1"	
205129	FG18201	18" x 20" x 1"	

**Multi-Pleat XL8™ MERV 8 Extended  
Surface Pleated Panel Filters**

- Mechanical Media
- Mechanical MERV 8 media is not reliant on electrostatic charge for efficiency
- Low resistance to airflow
- High Dust Holding Capacity
- Sturdy double-wall frame design
- Moisture resistant beverage board frame
- Standard and High Capacity models
- Available in 1", 2", and 4" depths



**1" Filters**

Part #	Mfg #	Size	Price
193419	PF10201	10" x 20" x 1"	

**Multi-Pleat XL8™ MERV 8 Extended  
Surface Pleated Panel Filters (Continued)**

**Special Size Fiberglass Disposable Filters**

**1" Filters**

Part #	Mfg #	Size	Price
197849	PF10241	10" x 24" x 1"	
195274	PF12121	12" x 12" x 1"	
193317	PF12201	12" x 20" x 1"	
194026	PF12241	12" x 24" x 1"	
193315	PF14141	14" x 14" x 1"	
193767	PF14201	14" x 20" x 1"	
196429	PF14221	14" x 22" x 1"	
193417	PF14241	14" x 24" x 1"	
193768	PF14251	14" x 25" x 1"	
193756	PF15201	15" x 20" x 1"	
193769	PF15251	15" x 25" x 1"	
194025	PF16161	16" x 16" x 1"	
193418	PF16201	16" x 20" x 1"	
196905	PF16241	16" x 24" x 1"	
193421	PF16251	16" x 25" x 1"	
193312	PF16301	16" x 30" x 1"	
195983	PF18181	18" x 18" x 1"	
195651	PF18251	18" x 25" x 1"	
193757	PF20201	20" x 20" x 1"	
194597	PF20221	20" x 22" x 1"	
193414	PF20241	20" x 24" x 1"	
193318	PF20251	20" x 25" x 1"	
194660	PF20301	20" x 30" x 1"	
193313	PF24241	24" x 24" x 1"	
193420	PF24301	24" x 30" x 1"	
193844	PF25251	25" x 25" x 1"	

**2" Filters**

Part #	Mfg #	Size	Price
194812	PF12202	12" x 20" x 2"	
193755	PF12242	12" x 24" x 2"	
193771	PF14202	14" x 20" x 2"	
193772	PF14252	14" x 25" x 2"	
199514	PF15202	15" x 20" x 2"	
193770	PF16202	16" x 20" x 2"	
195885	PF16242	16" x 24" x 2"	
193754	PF16252	16" x 25" x 2"	
194243	PF18182	18" x 18" x 2"	
195623	PF18202	18" x 20" x 2"	
193753	PF18242	18" x 24" x 2"	
193319	PF20202	20" x 20" x 2"	

## Throwaway Filters

### Multi-Pleat XL8™ MERV 8 Extended Surface Pleated Panel Filters (Continued)

#### Special Size Fiberglass Disposable Filters

##### 2" Filters

Part #	Mfg #	Size	Price
195272	PF20242	20" x 24" x 2"	
193773	PF20252	20" x 25" x 2"	
197608	PF20302	20" x 30" x 2"	
193874	PF24242	24" x 24" x 2"	
194199	PF25252	25" x 25" x 2"	

##### 4" Filters

Part #	Mfg #	Size	Price
194418	PF16254	16" x 25" x 4"	
198920	PF20204	20" x 20" x 4"	
197791	PF20254	20" x 25" x 4"	
200913	PF16204	16" x 20" x 4"	

### Special Size XL MERV 8 Pleated Filters

##### 1" Filters

Part #	Mfg #	Size	Price
196429	PF14221	14" x 22" x 1"	
195235	PF14301	14" x 30" x 1"	
194301	PF16181	16" x 18" x 1"	
196377	PF163821121	16-3/8" x 21-1/2" x 1"	
193316	PF18201	18" x 20" x 1"	
193415	PF18241	18" x 24" x 1"	
193314	PF22221	22" x 22" x 1"	

##### 2" Filters

Part #	Mfg #	Size	Price
194944	PF16162	16" x 16" x 2"	

### Honeywell Replacement Filter for MERV 8

Part #	Mfg #	Size	Price
194289	PF16255HW	16" x 25" x 5"	

**Throwaway Filters**

**Residential Media Air Cleaners  
Pop-Up Replacement Media Air Filter**

- Stores flat and pops into shape for installation
- Store (5) pop-up filters in the space of (1) standard replacement cartridge
- Additional 1" of filtration depth compared to standard replacement cartridges
- No combs, pleat spacers or end caps



Part #	Mfg #	Size	Efficiency	Used With	Price
101237	POPUP2200	20-1/4" x 24-1/4" x 5-7/8"	MERV 11	Space-Gard® 2200	
103142	POPUP2400	26" x 27-1/8" x 5-7/8"	MERV 11	Space-Gard® 2400, Lennox PMAC12	

**Residential Air Cleaner Replacement High Efficiency Media Filter**



Part #	Mfg #	Size	Efficiency	Used With	Price
052258	FC100A1029	16" x 25"	MERV 10	F100, F200	
052773	FC100A1037	20" x 25"	MERV 10	F100, F200, SpaceGard 2200	
054468	FC100A1011U	20" x 20"	MERV 10	F100, F200	
054467	FC100A1003	16" x 20"	MERV 10	F100, F200	

## Throwaway Filters

### High Efficiency Media Air Cleaners Replacement Filter Media



Part #	Mfg #	Description	Price
019291	12880	MERV 11 Replacement Media for Aprilaire 2200/2250	

### MERV 10 Replacement Filter Media

- MERV 10



Part #	Mfg #	Description	GPD	Unit Size	Electrical	Price
205149	4501	20" x 25" x 5", Replaces TRION media part #255649-102				
211223	4511	16" x 25" x 5", MERV 10				



## Air Handlers

### Air Handlers

- 4-Way Convertible Upflow, Downflow, Horizontal Left and Horizontal Right Applications
- Factory-Installed Indoor Coil
- Field Installed Auxiliary Heater Kits Available



**Warranties**  
10-Yr Parts Warranty

### RH2T Two-Stage Air Handler - Constant Torque Motor (ECM) 230 Volt

Part #	Mfg #	Tons	Max Kw	CFM Lo	CFM Hi	H x L x W	Price
171738	RH2T2421MTANJA	2 Ton	10	525	700	42-1/2" x 21-3/4" x 21"	
171739	RH2T3621MTANJA	3 Ton	18	800	1050	50-1/2" x 21-3/4" x 21"	
171740	RH2T4824MTANJA	4 Ton	25	1050	1400	55-1/2" x 21-3/4" x 24-1/2"	
171741	RH2T6024STANJA	5 Ton	25	1200	1600	55-1/2" x 21-3/4" x 24-1/2"	

### RH2T Two-Stage Air Handler - Constant Torque Motor (ECM) EcoNet Enabled

Part #	Mfg #	Tons	Max Kw	CFM Lo	CFM Hi	H x L x W	Price
185067	RH2T2417SEACJA	2 Ton	18	600	1200	42-1/2" x 21-3/4" x 17-1/2"	
178002	RH2T2421MEACJA	2 Ton	25	800	1600	42-1/2" x 21-3/4" x 21"	
185069	RH2T3617SEACJA	3 Ton	18	600	1200	42-1/2" x 21-3/4" x 21"	
178003	RH2T3621MEACJA	3 Ton	25	800	1600	50-1/2" x 21-3/4" x 21"	
178004	RH2T4821MEACJA	4 Ton	25	800	1600	57" x 21-3/4" x 21"	
178005	RH2T6024MEACJA	5 Ton	30	1400	1800	55-1/2" x 21-3/4" x 24-1/2"	

### RH1T Single-Stage Air Handler - Constant Torque Motor (ECM) 230 Volt

Part #	Mfg #	Tons	Max Kw	CFM Lo	CFM Hi	H x L x W	Price
171725	RH1T2417STANJA	2 Ton	10	600	800	42-1/2" x 21-3/4" x 17-1/2"	
171727	RH1T3617STANJA	3 Ton	18	1,000	1,200	42-1/2" x 21-3/4" x 17-1/2"	
171731	RH1T3621HTANJA	3 Ton	18	1,000	1,200	57" x 21-3/4" x 21"	
171729	RH1T3621MTANJA	3 Ton	18	1,000	1,200	50-1/2" x 21-3/4" x 21"	
171733	RH1T4821STANJA	4 Ton	25	1,400	1,600	50-1/2" x 21-3/4" x 21"	
171735	RH1T4824STANJA	4 Ton	25	1,400	1,600	50-1/2" x 21-3/4" x 24-1/2"	
176251	RH1T6021STANJA	5 Ton	25	1,600	-	50-1/2" x 21-3/4" x 24-1/2"	
171737	RH1T6024STANJA	5 Ton	25	1,800	-	55-1/2" x 21-3/4" x 24-1/2"	

### RH1T Single-Stage Air Handler - Constant Torque Motor (ECM) 115 Volt

Part #	Mfg #	Tons	Max Kw	CFM Lo	CFM Hi	H x L x W	Price
171724	RH1T2417STANAA	2 Ton	10	600	800	42-1/2" x 21-3/4" x 17-1/2"	
171726	RH1T3617STANAA	3 Ton	18	1,000	1,200	42-1/2" x 21-3/4" x 17-1/2"	
171732	RH1T4821STANAA	4 Ton	25	1,000	1,400	50-1/2" x 21-3/4" x 21"	
171734	RH1T4824STANAA	4 Ton	25	1,600	-	50-1/2" x 21-3/4" x 24-1/2"	
176250	RH1T6021STANAA	5 Ton	25	1600	1725	57" x 21-3/4" x 21"	

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## Air Handlers

### Air Handlers (Continued)

#### RH1T Single-Stage Air Handler - Constant Torque Motor (ECM) 115 Volt

Part #	Mfg #	Tons	Max Kw	CFM Lo	CFM Hi	H x L x W	Price
171736	RH1T6024STANAA	5 Ton	25	1,800	-	55-1/2" x 21-3/4" x 24-1/2"	

#### RH1P Single-Stage Air Handler - (PSC Motor) 230 Volt

Part #	Mfg #	Tons	Max Kw	CFM Lo	CFM Hi	H x L x W	Price
171696	RH1P1817STANJA	1.5 Ton	10	600	800	42-1/2" x 21-3/4" x 17-1/2"	
171698	RH1P2417STANJA	2 Ton	10	600	800	42-1/2" x 21-3/4" x 17-1/2"	
171702	RH1P3617STANJA	3 Ton	18	1,000	1,200	42-1/2" x 21-3/4" x 17-1/2"	
171703	RH1P3621STANJA	3 Ton	18	1,200	-	42-1/2" x 21-3/4" x 21"	
171707	RH1P4821STANJA	4 Ton	25	1,600	-	50-1/2" x 21-3/4" x 21"	
171708	RH1P4824STANJA	4 Ton	25	1,600	1,800	55-1/2" x 21-3/4" x 24-1/2"	
171709	RH1P6024STANJA	5 Ton	25	1,600	1,800	55-1/2" x 21-3/4" x 24-1/2"	

#### RH1P Single-Stage Air Handler - (PSC Motor) 115 Volt

Part #	Mfg #	Tons	Max Kw	CFM Lo	CFM Hi	H x L x W	Price
171695	RH1P1817STANAA	2 Ton	N/A	600	800	42-1/2" x 21-3/4" x 17-1/2"	
171697	RH1P2417STANAA	2 Ton	N/A	600	800	42-1/2" x 21-3/4" x 17-1/2"	
171699	RH1P3017STANAA	2.5 Ton	N/A	1,000	1,200	42-1/2" x 21-3/4" x 17-1/2"	
171701	RH1P3617STANAA	3 Ton	N/A	1,000	1,200	42-1/2" x 21-3/4" x 17-1/2"	
171705	RH1P4821STANAA	4 Ton	N/A	1,600	-	50-1/2" x 21-3/4" x 21"	

#### RHMV High Efficiency Modulating Air Handler (CFM Motor)

Part #	Mfg #	Tons	Max Kw	CFM Lo	CFM Hi	H x L x W	Price
188642	RHMV2417SEACJA	2 Ton	N/A	550	750	42-1/2" x 21-11/16" x 17-1/2"	
188647	RHMV6021SEACJA	5 Ton	N/A	830	1565	57" x 21-11/16" x 21"	
188648	RHMV6024MEACJA	5 Ton	N/A	890	1665	55-1/2" x 21-11/16" x 24-1/2"	



**Air Handlers**

**Air Handlers**

**B6BMM0 Air Handler**

- Durable, Attractive Cabinet
- Multi-poised
- Multi-speed
- Ease-of-Service
- Plug-in Heater Kits
- Circuit Board
- Air Handler Control Board
- Breaker Accessibility
- No Fasteners on Sides or Back
- Designed to Meet the Requirements 610.2.A.2
- Micro-Channel Evaporator Coil
- Cabinet Insulation



Part #	Mfg #	Blower Size	Motor Type	Dimensions (H x W)	Price
205641	B6BMM024KA	10" x 6"	PSC	43 5/16" x 14 3/16"	
205642	B6BMM024KB	10" x 6"	PSC	43 5/16" x 19 11/16"	
205643	B6BMM030KA	10" x 8"	PSC	43 5/16" x 14 3/16"	
205644	B6BMM030KB	10" x 8"	PSC	43 5/16" x 19 11/16"	
205645	B6BMM036KB	10" x 8"	PSC	43 5/16" x 19 11/16"	
205646	B6BMM042KB	10" x 8"	PSC	49 5/16" x 19 11/16"	
205647	B6BMM048KB	10" x 8"	PSC	49 5/16" x 19 11/16"	
205648	B6BMM048KC	10" x 10"	PSC	55 15/16" x 22 7/16"	
205649	B6BMM060KC	11" x 10"	PSC	55 15/16" x 22 7/16"	

**B6BMMX Air Handler**

- Durable, Attractive Cabinet
- Multi-poised:
- Multi-speed:
- Ease-of-Service
- Plug-in Heater Kits:
- Circuit Board
- Air Handler Control Board
- Breaker Accessibility
- No Fasteners on Sides or Back
- Cabinet Insulation
- Designed to meet the requirements 610.2.A.2
- Micro-Channel Evaporator Coil



Part #	Mfg #	Blower Size	Motor Type	Dimensions (H x W)	Price
231847	B6BMMX24KA	10" x 6"	PSC	43 5/16" x 14 3/16"	
231848	B6BMMX24KB	10" x 8"	PSC	43 5/16" x 19 11/16"	
231850	B6BMMX30KA	10" x 6"	PSC	43 5/16" x 14 3/16"	
231851	B6BMMX30KB	10" x 8"	PSC	43 5/16" x 19 11/16"	

**Air Handlers**

**B6EMMX Air Handler**

- Energy Efficient Fixed Speed ECM Motor
- Quiet Blower Operation
- Reduced air stratification
- Multi-poised
- Built in Filter Rack
- Plug-in Heater Kit
- Circuit Board
- Breaker Accessibility
- Plastic Drain Pan
- Designed to meet the requirements 610.2.A.2
- Thermal Expansion Valve
- Cabinet Insulation
- Anteaater MCTM Micro-Channel Coil Technology



Part #	Mfg #	Blower Size	Motor Type	Dimensions (H x W)	Price
205330	B6EMMX24KA	10" x 6"	Variable	43 1/2" x 14 1/4"	
205331	B6EMMX24KB	11" x 8"	Variable	43 1/2" x 19 3/4"	
205332	B6EMMX30KA	10" x 6"	Variable	43 1/2" x 14 1/4"	
205333	B6EMMX30KB	11" x 8"	Variable	43 1/2" x 19 3/4"	
205334	B6EMMX36KB	11" x 8"	Variable	49 1/2" x 19 3/4"	
205335	B6EMMX42KB	11" x 8"	Variable	49 1/2" x 19 3/4"	
205336	B6EMMX48KC	11" x 10"	Variable	56" x 22 1/2"	
205337	B6EMMX60KC	11" x 10"	Variable	56" x 22 1/2"	

**B6VMMX Air Handler**

- Energy Efficient Variable Speed ECM Motor
- Quiet Blower Operation
- Constant airflow
- Reduced air stratification
- Multi-poised
- Built in Filter Rack
- Plug-in Heater Kit
- Circuit Board
- Breaker Accessibility
- Plastic Drain Pan
- Designed to meet the requirements 610.2.A.2
- Thermal Expansion Valve
- Cabinet Insulation
- Anteaater MCTM Micro-Channel Coil Technology



Part #	Mfg #	Blower Size	Motor Type	Dimensions (H x W)	Price
213108	B6VMMX24KA	10" x 6"	Variable	43 1/2" x 14 1/4"	
213109	B6VMMX30KA	10" x 6"	Variable	43 1/2" x 14 1/4"	
213110	B6VMMX30KB	11" x 8"	Variable	43 1/2" x 19 3/4"	
225687	B6VMMX36KB	11" x 8"	Variable	43 1/2" x 19 3/4"	
213111	B6VMMX42KB	11" x 8"	Variable	43 1/2" x 19 3/4"	

## Air Handlers

### B6VMAX Air Handler

- Energy Efficient Variable Speed ECM Motor
- Quiet Blower Operation
- Constant airflow
- Reduced air stratification
- Multi-poised
- Built in Filter Rack
- Plug-in Heater Kit
- Circuit Board
- Breaker Accessibility
- Plastic Drain Pan
- Durable Cabinet
- Designed to meet the requirements 610.2.A.2
- Thermal Expansion Valve
- Cabinet Insulation
- Anteatertm Coil Technology



Part #	Mfg #	Blower Size	Motor Type	Dimensions (H x W)	Price
205654	B6VMAX24KB	10" x 6"	Variable	49 1/2" x 19 3/4"	
205657	B6VMAX36KB	11" x 8"	Variable	49 1/2" x 19 3/4"	
205659	B6VMAX48KC	11" x 10"	Variable	56" x 22 1/2"	
205660	B6VMAX60KC	11" x 10"	Variable	56" x 22 1/2"	

### Vertical Wall Mount Air Handler

#### B6BW Air Handler

- Durable, Attractive Cabinet
- Multi-speed.
- Blower Control Board
- Ease-of-Service
- Heater Kits Installed
- Breaker Accessibility
- Fully insulated Cabinet
- Front and/or Bottom Return air
- Offset Hanging Bracket for Easy



Part #	Mfg #	Blower Size	Motor Type	Dimensions (H x W)	Price
208607	B6BW018K05	10" x 6"	PSC	36 3/8" x 15"	
214445	B6BW018K08	10" x 6"	PSC	36 3/8" x 15"	
231844	B6BW036K05	10" x 8"	PSC	43 1/2" x 15"	
231845	B6BW036K08	10" x 8"	PSC	43 1/2" x 15"	
214754	B6BW036K10	10" x 8"	PSC	43 1/2" x 15"	

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## Air Handlers

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### B6EW Air Handler

- Energy Efficient Fixed Speed ECM Motor
- Thermal Expansion Valve
- Micro-Channel Coil Technology
- Durable, Attractive Cabinet
- Multi-speed
- Ease-of-Service
- Heater Kits Installed
- Breaker Accessibility
- Fully insulated Cabinet
- Front and/or Bottom Return air
- Offset Hanging Bracket for Easy Installation



Part #	Mfg #	Blower Size	Motor Type	Dimensions (H x W)	Price
230799	B6EWX18K05	10" x 6"	ECM	36 3/8" x 15"	
207994	B6EW25K10	10" x 6"	ECM	43 1/2" x 15"	
213115	B6EWX24K08	10" x 6"	ECM	36 3/8" x 15"	
213141	B6EWX30K10	10" x 6"	ECM	43 1/2" x 15"	

## Air Handlers

### Air Handlers

#### BCE4S Variable Speed Air Handler

- 2 - 5 ton sizes
- Upflow, horizontal, and downflow capable
- Sequenced for demand management
- External access to heater circuit breakers
- Shipped in one piece, but may be disassembled into two separate pieces for ease of installation
- Multiposition - Factory ready for upflow, downflow, and horizontal left/right applications
- No external screw heads on the sides of the unit to fit in tight spaces
- Thick fiberglass insulation
- Painted, heavy-gauge galvanized cabinet
- Filter rack built into every air handler
- Dual position drain pans designed for upflow, downflow or horizontal applications
- Deep, corrosion resistant plastic drain pans have dual pipe drains
- 2% or less air leakage
- Microban antimicrobial drain pans protect from mold, mildew, and other harmful microbes
- Thick rubber gaskets between each section insure tight seal when converted to downflow
- Communicating control enabled
- Thermostat flexibility: works with the Comfort T-Stat or a conventional 24V T-Stat
- Self diagnostics saves last 10 fault codes regardless of power interruption



Part #	Mfg #	Tons	Max Kw	Motor	H x L x W	Price
216944	ABCE4M30S00NA4X	2.5	15	VS	49-1/4" x 21-1/4" x 20-5/8"	
216943	ABCE4M24S00NA4X	2	9	VS	45-1/4" x 16-1/4" x 20-5/8"	
216945	ABCE4M36S00NA4X	3	20	VS	51" x 21-1/4" x 22-5/8"	
216946	ABCE4M48S00NA4X	4	20	VS	58-1/2" x 21-1/4" x 24-7/8"	
216947	ABCE4M60S00NA4X	5	20	VS	58-1/2" x 21-1/4" x 24-7/8"	

**Air Handlers**

**BCE3E Constant Torque Air Handler**

- 2 - 5 ton systems
- Upflow and horizontal
- Sequenced for demand management
- External access to heater circuit breakers
- 1 Piece design for easier installation
- Multiposition - Upflow/Horizontal Left/Right
- Unit approved for installation in manufactured housing and mobile homes
- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Filter rack built into every air handler
- High-strength, UV- and heat-resistant plastic drain pan for corrosion resistance
- Microban® antimicrobial built in to drain pan to resist mold and mildew growth and fouling of the drain
- 2% or less air leakage
- Efficient Constant Torque blower motors
- Standard transformer and blower relay
- Field-installed 2.5-20 kW electric heat kits with easy plug connections
- Built-in indoor time delay for increased efficiency
- Sleeves on distributor tubing to protect tubing



Part #	Mfg #	Tons	Max Kw	Motor	H x L x W	Price
230844	ABCE3M24E00NAX2	2	10	CT	40-1/2" x 18-1/2" x 22"	
230845	ABCE3M30E00NAX2	2.5	15	CT	43" x 18-1/2" x 22"	
230846	ABCE3M36E00NAX2	3	15	CT	48" x 21-7/8" x 22"	
230847	ABCE3M42E00NAX2	3.5	15	CT	48" x 21-7/8" x 26-1/4"	
230848	ABCE3M48E00NAX2	4	20	CT	52-1/2" x 21-7/8" x 26-1/4"	
213504	ABCE3M60E00NAX2	5	20	CT	52-1/2" x 21-7/8" x 26-1/4"	

## Air Handlers

### BCE3C Efficient Air Handler

- 1 1/2 - 5 ton systems
- Upflow and horizontal (counterflow capable with kits)
- Sequenced for demand management
- External access to heater circuit breakers
- 1 Piece design for easier installation
- Multiposition - Upflow/Horizontal Left/Right
- Unit approved for installation in manufactured housing and mobile homes
- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Filter rack built into every air handler
- High-strength, UV- and heat-resistant plastic drain pan for corrosion resistance
- Microban® antimicrobial built in to drain pan to resist mold and mildew growth and fouling of the drain
- 2% or less air leakage
- Efficient PSC blower motors
- Standard transformer and blower relay
- Field-installed 2.5-20 kW electric heat kits with easy plug connections
- Built-in indoor time delay for increased efficiency
- Sleeves on distributor tubing to protect tubing



Part #	Mfg #	Tons	Max Kw	Motor	H x L x W	Price
230836	ABCE3M18C00NAP2	1.5	7.5	PSC	38" x 15" x 22"	
230837	ABCE3M24C00NAP2	2	10	PSC	40-1/2" x 18-1/2" x 22"	
230838	ABCE3M30C00NAP2	2.5	15	PSC	40-1/2" x 18-1/2" x 22"	
230839	ABCE3M36C00NAP2	3	15	PSC	52-1/2" x 21-7/8" x 22"	
230840	ABCE3M42C00NAP2	3.5	15	PSC	48" x 21-7/8" x 26-1/4"	
230841	ABCE3M48C00NAP2	4	20	PSC	52-1/2" x 21-7/8" x 26-1/4"	
230842	ABCE3M60C00NAP2	5	20	PSC	52-1/2" x 21-7/8" x 26-1/4"	

### Electronic Furnace Modular Air System

- Upflow, counterflow and horizontal positions
- Cabinet dimensions match standard furnace widths
- Painted galvanized cabinet
- EFC models feature PSC motors
- EFV models feature ECM™ variable speed motors
- Field installed 5-20 kW heat strips
- Factory installed fan relays for non-heat strip installations



#### EFC Constant PSC Motor

Part #	Mfg #	Tons	Max Kw	CFM	Blower Motor	H x L x W	Price
211991	EFC08BCP1A	1.5 - 2	10	800	1/4 hp	25" x 21" x 17-1/2"	
211624	EFC12BCP1A	2.5 - 3	15	1200	1/3 hp	25" x 21" x 17-1/2"	
212048	EFC16CCP1A	4	20	1600	3/4 hp	26" x 21" x 21"	
212049	EFC20DCP1A	5	20	2000	3/4 hp	26" x 21" x 21"	



**Air Handlers**

**EFV Variable Speed ECM Motor**

Part #	Mfg #	Tons	Max Kw	CFM	Blower Motor	H x L x W	Price
213904	EFV08BCP1A	1.5 - 2	10	800	1/3 hp	25" x 21" x 17-1/2"	
213900	EFV12BCP1A	2.5 - 3	15	1200	1/2 hp	25" x 21" x 17-1/2"	
213901	EFV16CCP1A	4	20	1600	3/4 hp	26" x 21" x 21"	
213902	EFV20CCP1A	5	20	2000	3/4 hp	26" x 21" x 21"	



## Coils

### Classic® Series MultiFlex® Indoor Coils

- Available in upflow, downflow, and horizontal configurations
- Patented single-row, single-coil pleated concept results in extremely low pressure drops and ease of cleaning
- Constructed of enhanced aluminum fins bonded to inner grooved copper tubing
- Front refrigerant and drain connections for ease of installation
- Coils have sweat fitting refrigerant connections
- Primary condensate drain connections 3/4" FNPT
- Internal check valves
- Double-wall construction offers sturdiness, dead air space insulation
- 5-Year warranty on all parts



Classic  
SERIES

#### 10 SEER Classic® Series Flow check Standard Cooling/Heat Pump Coil - RCBA

- X Suffix - Unit has insulation
- I Suffix - Revised horizontal with insulation

Part #	Mfg #	Type	Tons	Connection	Air Flow	Width	Price
055327	RCBA-2457GP	Uncased	1.5 - 2.0	Front	600 - 800 cfm	12-1/4"	
055328	RCBA-3765GP	Uncased	2.5 - 3.0	Front	1,000 - 1,200 cfm	15-3/4"	
055329	RCBA-4882GP	Uncased	4.0	Front	1,400 - 1,600 cfm	19-1/4"	
055330	RCBA-6089GP	Uncased	5.0	Front	2,000 cfm	22-3/4"	



## Coils

### Achiever® Series Coils for Gas & Oil Furnaces

- Constructed of aluminum fins bonded to internally grooved copper tubing
- Coils are factory leak tested & have sweat refrigerant connections
- (2) Sets of 3/4" NPT condensate drain connections for easy connection
- Coils are ARI certified for system application with variety of Ruud Value Series outdoor units
- Condensate drain pan is constructed of high grade, heat resistant corrosion free thermal-set material
- Compatible with Germicidal Light System (UV resistant)
- Bi-directional airflow eliminates need to switch any internal components from horizontal left to right
- Universal duct flanges are included with all coil models
- Conditional parts warranty equal to limited parts warranty of outdoor model (registration required)
- 5-Year limited parts warranty



Cased



Uncased

ACHIEVER

#### 18 SEER R-410A High Efficiency A/C or Heat Pump Multi-Position Coil for Gas & Oil Furnaces - RCFN

Part #	Mfg #	Type	Tons	Air-Flow CFM Range	Nominal Capacity BTUH	Face Area Sq Ft	Coil Size	Line Sets Liq, Suction	Ship Wt	Price
129888	RCFN-HM2417CC	Cased	2.0	600/800	24,000	5.70	17-1/2"	3/8", 3/4"	57 lbs	
129891	RCFN-HM3624CC	Cased	3.0	825/1,175	36,000	9.98	24-1/2"	3/8", 7/8"	118 lbs	
129892	RCFN-HM4824CC	Cased	4.0	1,000/1,600	48,000	9.98	24-1/2"	3/8", 7/8"	118 lbs	
129893	RCFN-HM6024CC	Cased	5.0	1,050/1,700	60,000	9.98	24-1/2"	3/8", 7/8"	118 lbs	

#### 16 SEER R-410A High Efficiency A/C or Heat Pump Multi-Position Coil for Gas & Oil Furnaces - RCFM

Part #	Mfg #	Type	Tons	Air-Flow CFM Range	Nominal Capacity BTUH	Face Area Sq Ft	Coil Size	Line Sets Liq, Suction	Ship Wt	Price
112102	RCFM-HM2421AC	Cased	2.0	600/800	24,000	5.70	21"	3/8", 3/4"	57 lbs	
112107	RCFM-HM6024AC	Cased	5.0	1,300/1,700	60,000	9.98	24-1/2"	3/8", 7/8"	118 lbs	

#### 13-16 SEER R-410A A/C or Heat Pump Multi-Position Coil for Gas & Oil Furnaces - RCFL

Part #	Mfg #	Type	Tons	Air-Flow CFM Range	Nominal Capacity BTUH	Face Area Sq Ft	Coil Size	Line Sets Liq, Suction	Ship Wt	Price
090461	RCFL-HM2414AC	Cased*	1.5-2.0	600/1,000	18,000-24,000	4.56	14"	3/8", 3/4"	50 lbs	
090462	RCFL-HM2417AC	Cased	1.5-2.0	600/1,000	18,000-24,000	4.56	17-1/2"	3/8", 3/4"	51 lbs	
159504	RCFL-HM2514CC	Cased	2.0	600/1000	18,000-24,000	4.56	14"	3/8", 3/4"	50 lbs	
140773	RCFL-HM2617CC	Cased	1.5-2.0	900/1,400	18,000-24,000	5.70	17-1/2"	3/8", 3/4"	57 lbs	
090464	RCFL-HM3617AC	Cased	2.5-3.0	900/1400	30,000-36,000	5.70	17-1/2"	3/8", 3/4"	57 lbs	
090465	RCFL-HM3621AC	Cased	3.0	900/1,400	30,000-36,000	5.70	21"	3/8", 3/4"	60 lbs	
131741	RCFL-HM3821CC	Cased	3.0	1,200/1,800	30,000-36,000	8.55	21"	3/8", 7/8"	83 lbs	
131742	RCFL-HM3824CC	Cased	3.0	1,200/1,800	30,000-36,000	8.55	24-1/2"	3/8", 7/8"	99 lbs	
090466	RCFL-HM4821AC	Cased	3.5-4.0	1,200/1,800	42,000-48,000	8.55	21"	3/8", 7/8"	83 lbs	
090467	RCFL-HM4824AC	Cased	4.0	1,200/1,800	42,000-48,000	8.55	24-1/2"	3/8", 7/8"	99 lbs	
090468	RCFL-HM6024AC	Cased	5.0	1,600/1,900	60,000	9.98	24-1/2"	3/8", 7/8"	118 lbs	

\* 14" 2-Ton is part of the "N-Coil" design series, even though the coil shape resembles an "A" coil design



## Coils

### R-410A Cased/Uncased Coils - Gas & Oil Furnaces - RCF

- Rheem® Indoor Replacement Coils are designed for use with Rheem outdoor units and are available for vertical upflow or downflow, and horizontal left or horizontal right airflow. When matched with Rheem outdoor units, the coils provide a nominal capacity range from 18,000 BTU/HR [5.24 kW] to 60,000 BTU/HR [17.6 kW].
- Constructed of aluminum fins bonded to internally grooved aluminum tubing.
- Coils are tested at the factory with an extensive refrigerant leak check.
- Coils have copper sweat refrigerant connections.
- Feature two sets of 3/4" [14.1 mm] N.P.T. Condensate drain connections for ease of connection.
- Chatleff metering device connections, at inlet and outlet of TXV or EEV and equalizer connections (TXV only).
- Approved for system application with variety of Rheem outdoor units.
- Condensate drain pan is constructed of high grade, heat resistant, corrosion free thermal-set material.
- Compatible with Germicidal Light System (UV resistant).
- Bi-Directional airflow eliminates the need to switch any internal components from horizontal left to right.
- Unique drain pan design maximizes application flexibility and condensate removal.
- N-Coil design maximizes performance and minimizes height required at installation.



#### Standard Efficiency

Part #	Mfg #	Type	Tons	Air-Flow CFM Range	Nominal Capacity BTUH	Face Area Sq Ft	Coil Size	Line Sets Liq, Suction	Ship Wt	Price
171742	RCF2414STAMCA	Cased	2.0	600/900	24,000	4.56	14"	3/8", 3/4"	47 lbs	
171743	RCF2417STAMCA	Cased	2.0	600/900	24,000	4.56	17-1/2"	3/8", 3/4"	48 lbs	
171747	RCF3617STAMCA	Cased	3.0	700/1300	36,000	5.70	17-1/2"	3/8", 3/4"	54 lbs	
171748	RCF3621STAMCA	Cased	3.0	700/1300	36,000	5.70	21"	3/8", 3/4"	60 lbs	
171750	RCF4821STAMCA	Cased	4.0	600/1900	48,000	8.55	21"	3/8", 3/4"	78 lbs	
171752	RCF4824STAMCA	Cased	4.0	1100/1800	48,000	8.55	24"	3/8", 3/4"	93 lbs	
171753	RCF6021STAMCA	Cased	5.0	1400/1600	60,000	7.60	21"	3/8", 7/8"	86 lbs	
171754	RCF6024STAMCA	Cased	5.0	1400/1800	60,000	9.98	24.5"	3/8", 3/4"	108 lbs	
177565	RCF6021SEAMCA	Cased	5.0	1400/1600	60,000	7.60	21"	3/8", 3/4"	108 lbs	

#### Mid. Efficiency

Part #	Mfg #	Type	Tons	Air-Flow CFM Range	Nominal Capacity BTUH	Face Area Sq Ft	Coil Size	Line Sets Liq, Suction	Ship Wt	Price
171745	RCF2417MTAMCA	Cased	2.0	600/900	24,000	4.56	17"	3/8", 3/4"	54 lbs	
171746	RCF2421MTAMCA	Cased	2.0	600/900	24,000	5.70	21"	3/8", 3/4"	60 lbs	
172854	RCF3621MTAMCA	Cased	3.0	600/1900	36,000	8.55	21"	3/8", 3/4"	78 lbs	
171749	RCF3624MTAMCA	Cased	3.0	700/1300	36,000	8.55	24"	3/8", 3/4"	93 lbs	
171751	RCF4821MTAMCA	Cased	4.0	1100/1800	48,000	7.60	21"	3/8", 7/8"	86 lbs	
177563	RCF2421MEAMCA	Cased	2.0	600/900	24,000	5.70	21"	3/8", 3/4"	60 lbs	
177564	RCF3621MEAMCA	Cased	3.0	600/1900	36,000	8.55	21"	3/8", 3/4"	78 lbs	
177566	RCF6024MEAMCA	Cased	5.0	1400/1800	60,000	9.98	24.5"	3/8", 3/4"	108 lbs	



## Coils

### High Efficiency

Part #	Mfg #	Type	Tons	Air-Flow CFM Range	Nominal Capacity BTUH	Face Area Sq Ft	Coil Size	Line Sets Liq, Suction	Ship Wt	Price
171755	RCF2417HTAMCA	Cased	2.0	600/900	24,000	4.56	17-1/2"	3/8", 3/4"	54 lbs	
171756	RCF2421HTAMCA	Cased	2.0	600/900	24,000	5.70	21"	3/8", 3/4"	60 lbs	
171757	RCF3621HTAMCA	Cased	3.0	700/1300	36,000	7.60	21"	3/8", 7/8"	86 lbs	
171758	RCF3624HTAMCA	Cased	3.0	700/1300	36,000	9.98	24"	3/8", 3/4"	108 lbs	
171759	RCF4824HTAMCA	Cased	4.0	1100/1800	48,000	9.98	24"	3/8", 3/4"	108 lbs	
171760	RCF6024HTAMCA	Cased	5.0	1400/1800	60,000	9.98	24"	3/8", 3/4"	108 lbs	

### EEV Models

#### 2 Ton

Part #	Mfg #	Efficiency	Tons	CFM	BTUH	H x L x W	Price
185065	RCF2417SEAMCA	Standard	2 Ton	600/900	24,000	20" x 21-11/16" x 17-1/2"	

#### 3 Ton

Part #	Mfg #	Efficiency	Tons	CFM	BTUH	H x L x W	Price
185066	RCF3617SEAMCA	Standard	3 Ton	700/1300	36,000	20" x 21-11/16" x 17-1/2"	
229040	RCF3621SEAMCA	Standard	3 Ton	700/1300	36,000	20" x 21-11/16" x 21"	

### Coil Accessories

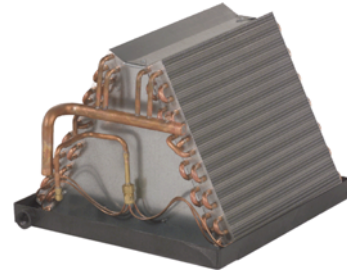
#### RXBM - Horizontal Drain Pan

Part #	Mfg #	Description	Price
009027	RXBM-AA06	4-1/2"H x 35"W x 22"D	
009020	RXBA-AC	Coupler/Adapter To Match Coil to Furnace One Size Smaller	

## Coils

### CA Series DX-Treme Uncased Upflow/Downflow Coils

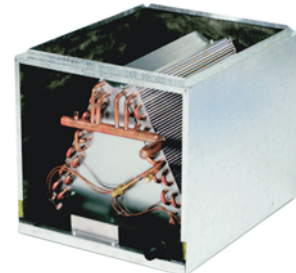
- Rifled copper tubing, enhanced aluminum fins
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed
- Left or right-hand refrigerant and plumbing connections
- Liquid line - 3/8" ODS, suction line - 7/8" ODS
- Externally mounted flowrater body with Schrader valve for hiss-testing
- Heavy duty polypropylene drain pans on most models
- Drain connection: 177L pans have single LH 3/4" MPT
- Upflow without field modification
- Downflow plate kit included
- ARI Certifiable with all brands of A/C and heat pump systems
- ETL Listed for use with R-22 and R-410A when proper metering device is used
- 10-Year limited warranty



Part #	Mfg #	Tons	Pan Widths	Dimensions Pan Depth	Bare Slab Height	Refrig	Price
104089	CA24A2F-160R	2.0	16"	19-3/8"	12"	R-410A/R-22	
239295	CA24A34-160R	2.5	16"	19-3/8"	21-1/2"	R-410a/R-22	
108690	CA24B3F-130R	2.0	13"	19-3/8"	14"	R-410A/R-22	
108692	CA24B3F-160R	2.0	16"	19-3/8"	14"	R-410A/R-22	
104090	CA30A2F-160R	2.5	16"	19-3/8"	14"	R-410A/R-22	
108693	CA30B3F-160R	2.5	16"	19-3/8"	16"	R-410A/R-22	
104091	CA36A2F-160R	3.0	16"	19-3/8"	16"	R-410A/R-22	
239296	CA36A34-160R	3.0	16"	19-3/8"	16"	R-410A/R-22	
108694	CA36B3F-160R	3.0	16"	19-3/8"	18"	R-410A/R-22	
108695	CA36B3F-195R	3.0	19-1/2"	19-3/8"	18"	R-410A/R-22	
227803	CA48A2F-195R-000	4.0	19-1/2"	19-3/8"	21-1/2"	R-410A/R-22	
227805	CA60A2F-230R-000	5.0	23"	19-3/8"	25-1/2"	R-410A/R-22	

### CC Series DX-Treme Cased Upflow/Downflow Coils

- Rifled copper tubing, enhanced aluminum fins
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed
- Left or right-hand refrigerant and plumbing connections, L: Left-hand & R: Right-hand
- Liquid line - 3/8" ODS, suction line - 7/8" ODS
- Externally mounted Flowrater body with Schrader valve for hiss-testing
- Heavy-duty polypropylene drain pans on most models
- Embossed galvanized cabinets standard - cabinets feature furnace connectors
- Split access doors in front for easy service
- Fully insulated cabinets with faced insulation
- ARI Certifiable with all brands of A/C and heat pump systems
- ETL Listed for use with R-22 and R-410A when proper metering device is used
- 10-Year limited warranty
- Option codes:
  - (023) - Flanged top duct opening
  - (056) - Painted cabinet and flange top opening



Part #	Mfg #	Tons	Min Width	Dimensions Max Width	Depth	Height	Metering Device	Price
110828	CC24B34-140L	2	14"	23"	21-1/2"	16"	NB TXV R-410	



## Coils

### CC Series DX-Treme Cased Upflow/Downflow Coils (Continued)

Part #	Mfg #	Tons	Min Width	Dimensions Max Width	Depth	Height	Metering Device	Price
110829	CC24B34-175L	2	14"	23"	21-1/2"	16"	NB TXV R-410	
110830	CC24D44-175L	2	14"	23"	21-1/2"	20"	NB TXV R-410	
133511	CC30B44-175L1	2.5	14"	23"	21-1/2"	20"	NB TXV R-410	
126429	CC30C44-175L	2.5	14"	23"	21-1/2"	20"	NB TXV R-410	
110831	CC30D44-175L	2.5	14"	23"	21-1/2"	24"	NB TXV R-410	
099999	CC30D4X-210R	2.5	14"	23"	21-1/2"	24"	NB TXV R-22	
110833	CC36B34-175L	3	14" or 17"	23"	21-1/2"	20"	NB TXV R-410	
110834	CC36B34-210L	3	14" or 17"	23"	21-1/2"	20"	NB TXV R-410	
115251	CC36C44-175L	3	14" or 17"	23"	21-1/2"	24"	NB TXV R-410	
110835	CC36D44-175L	3	14" or 17"	23"	21-1/2"	24"	NB TXV R-410	
110836	CC36D44-210L	3	14" or 17"	23"	21-1/2"	24"	NB TXV R-410	
110837	CC48B34-210L	4	17"	26-1/2"	21-1/2"	24"	NB TXV R-410	
110838	CC48D44-210L	4	17"	26-1/2"	21-1/2"	28"	NB TXV R-410	
110839	CC48D44-245L	4	17"	26-1/2"	21-1/2"	28"	NB TXV R-410	
110840	CC60B34-210L	5	20-1/2"	26-1/2"	21-1/2"	28"	NB TXV R-410	
110841	CC60B34-245L	5	20-1/2"	26-1/2"	21-1/2"	28"	NB TXV R-410	
125034	CC60E-44-245L-023*	5	24-1/2"	26-1/2"	21-1/2"	28"	NB TXV R-410	

### CE Series DX-Treme Cased Multi-Position A-Coil

- Rifled copper tubing, enhanced aluminum fins
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed
- Left- or right-hand refrigerant and plumbing connections
- Liquid line - 3/8" ODS, suction line - 7/8" ODS
- Externally mounted Flowrater body with Schrader valve for hiss-testing
- Heavy duty polypropylene upflow drains pans on most models, powder coated galvanized steel horizontal drain pans standard on all
- Embossed galvanized cabinets standard
- Cabinets feature furnace connectors (patent pending)
- Upflow, horizontal right, or horizontal left without field modification  
Downflow applications require plate kit, included
- Split access doors in front for easy service
- Fully insulated cabinets with faced insulation
- ARI Certifiable with all brands of A/C and heat pump systems
- ETL Listed for use with R-22 and R-410A when proper metering device is used
- 10-Year limited warranty



Part #	Mfg #	Tons	Min Width	Dimensions Max Width	Depth	Height	Metering Device	Price
112852	CE24D44-175L	2	14"	23"	21-1/2"	23"	NB TXV R-410	
112860	CE36D44-210L	3	14" or 17"	23"	21-1/2"	27"	NB TXV R-410	
112859	CE36D44175L0	3	14" or 17"	23"	21-1/2"	27"	NB TXV R-410	
112862	CE48D44-210L	4	17"	26-1/2"	21-1/2"	30"	NB TXV R-410	
112865	CE48D44-245L	4	17"	26-1/2"	21-1/2"	30"	NB TXV R-410	
112866	CE60B34-210L	5	20-1/2"	26-1/2"	21-1/2"	30"	NB TXV R-410	





## Coils

### CE Series DX-Treme Cased Multi-Position A-Coil (Continued)

Part #	Mfg #	Tons	Min Width	Dimensions Max Width	Depth	Height	Metering Device	Price
112867	CE60B34-245L	5	20-1/2"	26-1/2"	21-1/2"	30"	NB TXV R-410	

### Thermostatic Expansion Valves (TXV)

Part #	Mfg #	Refrigerant	Tons	Bleed Port	For:	Price
095918	4190X2-3	R-22	1.5 to 3.5 Ton	No	Kit for B Coils & F Air Handlers	
106976	4195X2-5	R-22	4, 5 & 6 Ton	No	Kit for B Coils & F Air Handlers	
094022	4200X5-3	R-22	1.5 to 3.5 Ton	No	Kit for B Coils & F Air Handlers	
094023	4202X5-5	R-22	4, 5 & 6 Ton	No	Kit for B Coils & F Air Handlers	

### R-22 Coils

Part #	Mfg #	Description	Price
147402	22A2F-130R-003	2.0 Ton R-22 Coil	
147403	22A2F-160R-003	2.0 Ton R-22 Coil	
147404	22A3F-160R-003	3.0 Ton R-22 Coil	
147405	22A3F-195R-003	3.0 Ton R-22 Coil	
147406	22A4F-195R-003	4.0 Ton R-22 Coil	
147407	22A5F-230R-003	5.0 Ton R-22 Coil	

### Pistons

Part #	Mfg #	Description	Price
125462	3960	.089 Orifice R-410A 5.0 Ton Piston	
125459	3987	.068 Orifice R-22 2.5 Ton Piston	
179307	3991	.084 Orifice R-22 5.0 Ton Piston	
179306	3998	.092 Orifice R-22 5.0 Ton Piston	
125457	3999	.055 Orifice R-22 1.5 Ton Piston	
125458	4000	.059 Orifice R-22 2.0 Ton Piston	
125460	4001	.074 Orifice R-22 3.0 Ton Piston	
125456	4006	.049 Orifice R-410A 1.5 Ton Piston	

## Coils

### C7 Microchannel Cased Indoor Coils



#### Piston Metering R-410A - "A" Vertical Cased Coil - C7BAM Series

Part #	Mfg #	Order #	Nominal Capacity MBTUH	Refrigerant Sizes Liquid, Suction	Dimensions H x W x D	Price
146441	C7BAM-01824C-A	921515	1.5 - 2.0 Ton	3/8", 3/4"	20-3/4" x 14-1/2" x 20-3/4"	
146443	C7BAM-01824C-B	921519	1.5 - 2.0 Ton	3/8", 3/4"	20-3/4" x 17-1/2" x 20-3/4"	
146444	C7BAM-03036C-A	921517	2.5 - 3.0 Ton	3/8", 3/4"	20-3/4" x 14-1/4" x 20-3/4"	
146445	C7BAM-03036C-B	921521	2.5 - 3.0 Ton	3/8", 3/4"	20-3/4" x 17-1/2" x 20-3/4"	
146446	C7BAM-030C-C	921700	2.5 Ton	3/8", 3/4"	26-3/4" x 21" x 20-3/4"	
146447	C7BAM-03642C-B	921523	3.0 - 3.5 Ton	3/8", 7/8"	26-3/4" x 17-1/2" x 20-3/4"	
146448	C7BAM-03648C-C	921525	3.0 - 4.0 Ton	3/8", 7/8"	26-3/4" x 21" x 20-3/4"	
146449	C7BAM-042C-D	921529	3.5 Ton	3/8", 7/8"	30-1/4" x 24-1/2" x 20-3/4"	
146452	C7BAM-048C-C	921838	4.0 Ton	3/8", 7/8"	30-1/4" x 21" x 20-3/4"	
146453	C7BAM-048C-D	921841	4.0 Ton	3/8", 7/8"	30-1/4" x 24-1/2" x 20-3/4"	
162851	C7BAM-060C-C	922116	5 Ton	3/8", 7/8"	30-1/4" x 21" x 20-3/4"	
162852	C7BAM-060C-D	922119	5 Ton	3/8", 7/8"	30-1/4" x 21" x 20-3/4"	

### Coil Accessories

#### R-410A TXV Kits

Part #	Mfg #	Tons	Refrigerant	Connection	Price
146841	920668A	2.0	R-410A	Mechanical	
146842	920669A	2.5	R-410A	Mechanical	
146843	920670A	3.0	R-410A	Mechanical	
146844	920671A	3.5	R-410A	Mechanical	
146845	920672A	4.0	R-410A	Mechanical	
146846	920673A	5.0	R-410A	Mechanical	

#### C7 Flex Tube Kit

Part #	Mfg #	Fits Coil Size (S)	Price
150341	921824	1824A, 3036A	
150342	921825	1824B, 3036B	
150343	921826	3642B	
150344	921827	30C	
150345	921828	3648C	
150346	921829	48C, 60C	
150347	921830	42D	
150348	921831	48D, 60D	

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**Coils**

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**Horizontal Drain Pan Kit**

Part #	Mfg #	Fits Coil Size (S)	Price
198694	920265	1824A, 3036A, 1824B, 3036B	
198695	920266	3642B, 30C, 3648C	
198696	920267	48C, 60C, 48D, 60D	

## Coils

### Intertherm Coils C8 Uncased Coils



		Type	Connections	Nominal Capacity BTUH	Cabinet Width	Line Sets Liq, Suction	
177314	INTC8BAM01830B	Uncased	Downturn	18,000-30,000	14-1/2"	3/8", 3/4"	
177313	INTC8BAM036UB	Uncased	Downturn	36,000	14-1/2"	3/8", 3/4"	
221533	INTC8DAM048UB	Uncased	Downturn	48,000	14-1/2"	3/8", 7/8"	
214895	INTC8DAM01830UB	Uncased	Downturn	18,000-30,000	17-1/2"	3/8", 3/8"	
213953	INTC8DAM036UB	Uncased	Downturn	36,000	17-1/2"	3/8", 3/8"	

### Mortex Coils CM Uncased Coils



Part #	Mfg #	Type	Air-Flow CFM Range	Nominal Capacity BTUH	Cabinet Width	Line Sets Liq, Suction	Price
232900	INTCM4B53U	Uncased	1310	53,000	19-5/8"	3/8", 7/8"	
231026	INTCM4B54U	Uncased	1400	54,000	19-5/8"	3/8", 7/8"	

**Coils**

**Coils**

**EC1P Upflow/Counterflow Coil**

- External cabinet mounted distributor body designed for easy changing of orifice sizes and fast TXV connections
- Two dual drain on front of coil for install flexibility of drain lines around furnace vent and utility connections.
- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth.
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth.
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- Foil-face insulation for easy cleaning
- Tubing located at door split for easy coil service or cleaning
- All drain pans are compatible with UV lights
- All piston coils are compatible with R22 or R410a



Part #	Mfg #	Type	Tons	Nominal Capacity BTUH	Coil Size	Line Sets Liq, Suction	Price
208904	AIREC1P18AG1	Cased	1.5	18,000	14-1/2" x 16-1/2" x 13"	3/8", 3/4"	
208905	AIREC1P19AG1	Cased	1.5	19,000	14-1/2" x 16-1/2" x 13"	3/8", 3/4"	
208908	AIREC1P23AG1	Cased	2	23,000	14-1/2" x 18-1/2" x 13"	3/8", 3/4"	
208909	AIREC1P23BG1	Cased	1.5-2	23,000	17-1/2" x 18-1/2" x 16"	3/8", 3/4"	
208906	AIREC1P24AG1	Cased	2	24,000	14-1/2" x 20-1/2" x 13"	3/8", 3/4"	
208907	AIREC1P24BG1	Cased	2	24,000	17-1/2" x 20-1/2" x 16"	3/8", 3/4"	
208910	AIREC1P29AG1	Cased	2.5	29,000	14-1/2" x 25-1/2" x 13"	3/8", 3/4"	
208911	AIREC1P29BG1	Cased	2.5	29,000	17-1/2" x 25-1/2" x 16"	3/8", 3/4"	
208912	AIREC1P30AG1	Cased	2.5	30,000	14-1/2" x 24-1/2" x 13"	3/8", 3/4"	
208913	AIREC1P30BG1	Cased	2.5	30,000	17-1/2" x 24-1/2" x 16"	3/8", 3/4"	
208914	AIREC1P30CG1	Cased	2.5	30,000	21" x 24-1/2" x 19-1/2"	3/8", 3/4"	
208915	AIREC1P36AG1	Cased	3	36,000	14-1/2" x 24-1/2" x 13"	3/8", 3/4"	
208916	AIREC1P36BG1	Cased	3	36,000	17-1/2" x 24-1/2" x 16"	3/8", 3/4"	
208917	AIREC1P36CG1	Cased	3	36,000	21" x 24-1/2" x 19-1/2"	3/8", 3/4"	
208918	AIREC1P43BG1	Cased	3.5	43,000	17-1/2" x 29-1/2" x 16"	3/8", 7/8"	
208919	AIREC1P43CG1	Cased	3.5	43,000	21" x 29-1/2" x 19-1/2"	3/8", 7/8"	
208920	AIREC1P48BG1	Cased	4	48,000	17-1/2" x 24-1/2" x 16"	3/8", 7/8"	
208921	AIREC1P48CG1	Cased	4	48,000	21" x 24-1/2" x 19-1/2"	3/8", 7/8"	
208922	AIREC1P49CG1	Cased	3.5-5	60,000	21" x 29-1/2" x 19-1/2"	3/8", 7/8"	
208923	AIREC1P50CG1	Cased	4	50,000	21" x 27-1/2" x 19-1/2"	3/8", 7/8"	
208926	AIREC1P60DG1	Cased	5	60,000	24-1/2" x 25-1/2" x 23"	3/8", 7/8"	
208925	AIREC1P62CG1	Cased	3.5-5	62,000	21" x 31-1/2" x 19-1/2"	3/8", 7/8"	
208927	AIREC1P62DG1	Cased	3.5-5	62,000	24-1/2" x 29-1/2" x 23"	3/8", 7/8"	

**Coils**

**EH1P Dedicated Horizontal Coil**

- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth.
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth.
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- Foil-face insulation for easy cleaning
- Tubing located at door split for easy coil service or cleaning
- All drain pans are compatible with UV lights
- All piston coils are compatible with R22 or R410a
- See limited warranty document for details.
- Dedicated horizontal
- Insulated galvanized steel case with durable embossed finish
- Removable top panels for easy service or cleaning
- Dual condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces
- Refrigerant connections on top of coil for ease of installation in left or right airflow furnaces



Part #	Mfg #	Type	Tons	Nominal Capacity BTUH	Coil Size	Line Sets Liq, Suction	Price
208938	AIREH1P23AM1	Cased	2	23,000	14-1/2" x 26-1/2"	3/8", 7/8"	
208939	AIREH1P23BM1	Cased	2	23,000	17-1/2" x 26-1/2"	3/8", 7/8"	
210763	AIREH1P29BM1	Cased	2.5	29,000	17-1/2" x 26-1/2" x 16"	3/8", 7/8"	
208940	AIREH1P36BM1	Cased	3	36,000	17-1/2" x 26-1/2"	3/8", 7/8"	
208941	AIREH1P36CM1	Cased	3	36,000	21" x 26-1/2"	3/8", 7/8"	
208942	AIREH1P49CM1	Cased	4	49,000	21" x 31-1/2"	3/8", 7/8"	
208943	AIREH1P49DM1	Cased	4	49,000	24-1/2" x 31-1/2"	3/8", 7/8"	
208944	AIREH1P62CM1	Cased	5	62,000	21" x 31-1/2"	3/8", 7/8"	
208945	AIREH1P62DM1	Cased	5	62,000	24-1/2" x 31-1/2"	3/8", 7/8"	

**EM1P Upflow/Horizontal Coil**

- Upflow/ Horizontal for application flexibility
- Side drain pan built in for easy horizontal installations
- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth.
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth.
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- Foil-face insulation for easy cleaning
- Tubing located at door split for easy coil service or cleaning
- All drain pans are compatible with UV lights
- All piston coils are compatible with R22 or R410a



Part #	Mfg #	Type	Tons	Nominal Capacity BTUH	Coil Size	Line Sets Liq, Suction	Price
208455	AIREM1P19AG1	Cased	1.5	19,000	14-1/2" x 25-1/2" x 13"	3/8", 3/4"	

**Coils**

**Coils (Continued)**  
**EM1P Upflow/Horizontal Coil**

Part #	Mfg #	Type	Tons	Nominal Capacity BTUH	Coil Size	Line Sets Liq, Suction	Price
208459	AIREM1P23AG1	Cased	1.5-2	23,000	14-1/2" x 25-1/2" x 13"	3/8", 3/4"	
208460	AIREM1P23BG1	Cased	1.5-2	23,000	17-1/2" x 25-1/2" x 16"	3/8", 3/4"	
208461	AIREM1P24AG1	Cased	2	24,000	14-1/2" x 25-1/2" x 13"	3/8", 3/4"	
208462	AIREM1P24BG1	Cased	2	24,000	17-1/2" x 25-1/2" x 16"	3/8", 3/4"	
208463	AIREM1P29AG1	Cased	2	29,000	14-1/2" x 25-1/2" x 13"	3/8", 3/4"	
208464	AIREM1P29BG1	Cased	2.5	29,000	17-1/2" x 25-1/2" x 16"	3/8", 3/4"	
208465	AIREM1P30AG1	Cased	2.5	30,000	14-1/2" x 25-1/2" x 13"	3/8", 3/4"	
208466	AIREM1P30BG1	Cased	2.5	30,000	17-1/2" x 25-1/2" x 16"	3/8", 3/4"	
208467	AIREM1P36AG1	Cased	3	36,000	14-1/2" x 25-1/2" x 13"	3/8", 3/4"	
208468	AIREM1P36BG1	Cased	3	36,000	17-1/2" x 25-1/2" x 16"	3/8", 3/4"	
208469	AIREM1P36CG1	Cased	3	36,000	21" x 25-1/2" x 19-1/2"	3/8", 7/8"	
208470	AIREM1P43BG1	Cased	3.5	43,000	17-1/2" x 27-1/2" x 16"	3/8", 7/8"	
208471	AIREM1P43CG1	Cased	3.5	43,000	21" x 27-1/2" x 19-1/2"	3/8", 7/8"	
208472	AIREM1P48BG1	Cased	4	48,000	17-1/2" x 25-1/2" x 16"	3/8", 7/8"	
208473	AIREM1P48CG1	Cased	4	48,000	21" x 25-1/2" x 19-1/2"	3/8", 7/8"	
208474	AIREM1P50CG1	Cased	5	50,000	21" x 27-1/2" x 19-1/2"	3/8", 7/8"	





## Condensing Units

### Air Conditioners



- Scroll compressor
- Composite base pan
- Powder coat paint
- External haug ports
- Single row coil
- Top can be removed without disconnecting motor
- Quick-Release Louver panel design

#### Warranties

10-Yr Parts Warranty

### RA16 Single Stage Condensing Unit

Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
171657	RA1618AJ1NA	1.5	3/8"	3/4"	2404	1095	27" x 29-3/4" x 29-3/4"	
171658	RA1624AJ1NA	2.0	3/8"	3/4"	2851	851	27" x 33-3/4" x 33-3/4"	
171659	RA1630AJ1NA	2.5	3/8"	3/4"	3914	840	27" x 35-3/4" x 35-3/4"	
171660	RA1636AJ1NA	3.0	3/8"	3/4"	4340	819	31" x 35-3/4" x 35-3/4"	
171661	RA1642AJ1NA	3.5	3/8"	7/8"	4450	829	39" x 35-3/4" x 35-3/4"	
171662	RA1648AJ1NA	4.0	3/8"	7/8"	4658	828	45" x 35-3/4" x 35-3/4"	
173277	RA1660AJ1NA	5.0	3/8"	7/8"	1775	795	51" x 35-3/4" x 35-3/4"	

### RA14 Single Stage Condensing Unit

Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
171646	RA1418AJ1NA	1.5	3/8"	3/4"	2225	1075	25" x 29-3/4" x 29-3/4"	
171647	RA1424AJ1NA	2.0	3/8"	3/4"	2505	1070	25" x 29-3/4" x 29-3/4"	
171648	RA1430AJ1NA	2.5	3/8"	3/4"	2605	1075	27" x 29-3/4" x 29-3/4"	
171649	RA1436AJ1NA	3.0	3/8"	3/4"	3105	805	27" x 33-3/4" x 33-3/4"	
171650	RA1442AJ1NA	3.5	3/8"	7/8"	4265	820	27" x 35-3/4" x 35-3/4"	
171651	RA1448AJ1NA	4.0	3/8"	7/8"	4265	820	31" x 35-3/4" x 35-3/4"	
171652	RA1460AJ1NA	5.0	3/8"	7/8"	4140	850	35" x 35-3/4" x 35-3/4"	

### RA13 Single Stage Condensing Unit

Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
171633	RA1318AJ1NA	1.5	3/8"	3/4"	2040	1075	27" x 29-3/4" x 29-3/4"	
171634	RA1324AJ1NA	2.0	3/8"	3/4"	2325	1075	25" x 29-3/4" x 29-3/4"	
171635	RA1330AJ1NA	2.5	3/8"	3/4"	2795	1075	25" x 29-3/4" x 29-3/4"	
171636	RA1336AJ1NA	3.0	3/8"	3/4"	2900	1075	27" x 29-3/4" x 29-3/4"	
171637	RA1342AJ1NA	3.5	3/8"	7/8"	2465	1075	31" x 29-3/4" x 29-3/4"	
171638	RA1348AJ1NA	4.0	3/8"	7/8"	4145	850	27" x 33-3/4" x 33-3/4"	
171639	RA1360AJ1NA	5.0	3/8"	7/8"	3870	820	31" x 35-3/4" x 35-3/4"	



## Condensing Units

### RA16 Single Stage Condensing Unit High/Low Pressure

Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
171663	RA1636AC1NB	3.0	3/4"	3/8"	4340	819	31" x 35-3/4" x 35-3/4"	
171664	RA1642AC1NB	3.5	3/4"	7/8"	4450	829	39" x 35-3/4" x 35-3/4"	
171665	RA1648AC1NB	4.0	3/4"	7/8"	4658	828	45" x 35-3/4" x 35-3/4"	
171666	RA1660AC1NB	5.0	3/8"	7/8"	4776	795	51" x 35-3/4" x 35-3/4"	

### RA14 Single Stage Condensing Unit High/Low Pressure

Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
171653	RA1436AC1NB	3.0	3/8"	3/4"	3105	850	27" x 33-3/4" x 33-3/4"	
171654	RA1442AC1NB	3.5	3/8"	7/8"	4265	820	27" x 35-3/4" x 35-3/4"	
171655	RA1448AC1NB	4.0	3/8"	7/8"	4265	820	1" x 35-3/4" x 35-3/4"	
171656	RA1460AC1NB	5.0	3/8"	7/8"	4140	850	35" x 35-3/4" x 35-3/4"	

### RA13 Single Stage Condensing Unit High/Low Pressure

Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
171641	RA1336AC1NB	3.0	3/8"	3/4"	2900	1075	27" x 29-3/4" x 29-3/4"	
171643	RA1342AC1NB	3.5	3/8"	7/8"	2465	1075	25" x 29-3/4" x 29-3/4"	
171644	RA1348AC1NB	4.0	3/8"	7/8"	4145	850	27" x 33-3/4" x 33-3/4"	
171645	RA1360AC1NB	5.0	3/8"	7/8"	3870	820	31" x 35-3/4" x 35-3/4"	
185055	RA1360AD1NB	5.00	3/8"	7/8"	3870	820	31" x 35-3/4" x 35-3/4"	



## Condensing Units

### Achiever Plus™ Series

- Efficiencies up to 17 SEER/13 EER
- EcoNet™ enabled
- Two-Stage
- Scroll compressor
- Optimized fan orifice
- Rust resistant screws
- PlusOne™ Expanded Valve Space
- PlusOne™ Triple Service Access
- New composite base pan
- Two Stage Copeland Scroll™ UltraTech™ Compressor



#### Warranties

Conditional Unit Replacement - 10 Years (Registration Required)

Parts - 10 Years

### UA17 Two Stage Condensing Unit

Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
177559	UA1724AJ2CB	2.0	3/8"	3/4"	3326	850	35" x 33-3/4" x 33-3/4"	
177560	UA1736AJ2CB	3.0	3/8"	3/4"	3540	820	39" x 33-3/4" x 33-3/4"	
177561	UA1748AJ2CB	4.0	3/8"	7/8"	4521	646	51" x 35-3/4" x 35-3/4"	
177562	UA1760AJ2CB	5.0	3/8"	7/8"	5133	825	51" x 35-3/4" x 35-3/4"	

### Air Conditioners



- Scroll compressor
- Composite base pan
- Powder coat paint
- External gauge ports
- Single Row Coil
- Top can be removed without disconnecting motor
- Quick Release louver panel design



#### Warranties

10-Yr Parts Warranty

### UA20 Variable Speed Condensing Unit

Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
188639	UA2024AJVCB	2.0	3/8"	3/4"	3330	772	39" x 33-3/4" x 33-3/4"	
188640	UA2036AJVCB	3.0	3/8"	3/4"	4315	825	39" x 33-3/4" x 33-3/4"	
188641	UA2048AJVCB	4.0	3/8"	7/8"	6240	935	51" x 35-3/4" x 35-3/4"	
188999	UA2060AJVCB	5.0	3/8"	7/8"	6175	900	51" x 35-3/4" x 35-3/4"	

## Condensing Units

### Condensing Units

- Single phase
- Composite base pan
- Permanently lubricated motor
- Durable, attractive cabinet
- Removable top grille assembly
- High pressure switch
- Liquid line filter drier
- One piece Top/Orifice
- Easy compressor and control access
- Complete metal wrapper
- Micro-Channel coils: rows - FPI 1-18
- Operating voltage range: 187v min - 253v max  
208/230-60-1
- PSC fan motor
- Liquid line in 3/8" O.D.



#### JS4BD R-410A 13 Seer Condensor A/C

Part #	Mfg #	Tons	Delay Fuse Max	Suction 0-24'	Suction 25-39'	Suction 40-75'	Pad Size	Unit Height	Price
118705	JS4BD018KB	1.5	20	3/4"	3/4"	3/4"	24 x 24	23-1/2"	
118706	JS4BD024KB	2	25	3/4"	3/4"	3/4"	24 x 24	23-1/2"	
118707	JS4BD030KB	2.5	30	3/4"	3/4"	3/4"	24 x 24	27-1/2"	
118708	JS4BD036KB	3	35	3/4"	7/8"	7/8"	24 x 24	27-1/2"	
118710	JS4BD042KB	3.5	40	7/8"	7/8"	7/8"	32 x 32	27-1/2"	
118711	JS4BD048KB	4	50	7/8"	7/8"	7/8"	32 x 32	27-1/2"	
118712	JS4BD060KB	5	60	7/8"	1-1/8"	1-1/8"	32 x 32	31-1/2"	

#### JS4BE R-410A 14 Seer Condensor A/C

Part #	Mfg #	Tons	Delay Fuse Max	Suction 0-24'	Suction 25-39'	Suction 40-75'	Pad Size	Unit Height	Price
118698	JS4BE018KA	1.5	20	3/4"	3/4"	3/4"	24 x 24	27"	
118699	JS4BE024KA	2	30	3/4"	3/4"	3/4"	24 x 24	31"	
118700	JS4BE030KA	2.5	30	3/4"	3/4"	3/4"	32 x 32	27"	
118701	JS4BE036KA	3	30	3/4"	7/8"	7/8"	32 x 32	35"	
118702	JS4BE042KA	3.5	40	7/8"	7/8"	7/8"	32 x 32	39"	
118703	JS4BE048KA	4	45	7/8"	7/8"	7/8"	32 x 32	39"	
118704	JS4BE060KA	5	60	7/8"	1-1/8"	1-1/8"	32 x 32	43"	

## Condensing Units

### Condensing Units

#### FS4BD-KB 13 Seer \* Condensing Unit

- *Designed using galvanized steel*
- *Permanently Lubricated Motor*
- *Louvered Condenser Guard*
- *Removable Top Grille Assembly*
- *High Pressure Switch*
- *Liquid Line Filter Drier*
- *Easy Compressor and Control Access*
- *Composite Base Pan*
- *Swept Wing Fan Blade*
- *Micro-Channel Coils*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
118771	FRIFS4BD018KA	1.5	3/8"	3/4" (0-24 ft)	25" x 22 3/4"	
118772	FRIFS4BD024KA	2	3/8"	3/4" (0-24 ft)	25" x 22 3/4"	
118773	FRIFS4BD030KA	2.5	3/8"	3/4" (0-24 ft)	29" x 22 3/4"	
118774	FRIFS4BD036KA	3	3/8"	3/4" (0-24 ft)	29" x 22 3/4"	
118775	FRIFS4BD042KB	3.5	3/8"	7/8" (0-24 ft)	29 1/2" x 30 3/4"	
118776	FRIFS4BD048KA	4	3/8"	7/8" (0-24 ft)	29 1/2" x 30 3/4"	
118777	FRIFS4BD060KA	5	3/8"	7/8" (0-24 ft)	33 1/2" x 30 3/4"	

#### FS4BE 14 Seer \* Condensing Unit

- *Designed using galvanized steel*
- *Permanently Lubricated Motor*
- *Swept-Wing Fan Blade*
- *Louvered Condenser Guard*
- *Removable Top Grille Assembly*
- *High Pressure Switch*
- *Liquid Line Filter Drier*
- *One Piece Top/Orifice*
- *Easy Compressor and Control Access*
- *Composite Base Pan*
- *Micro-Channel Coils*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
118778	FRIFS4BE018KA	1.5	3/8"	3/4" (0-24 ft)	29" x 22 3/4"	
118779	FRIFS4BE024KA	2	3/8"	3/4" (0-24 ft)	33" x 22 3/4"	
118780	FRIFS4BE030KA	2.5	3/8"	3/4" (0-24 ft)	29" x 30 3/4"	
118781	FRIFS4BE036KA	3	3/8"	3/4" (0-24 ft)	37" X 30 3/4"	
118782	FRIFS4BE042KA	3.5	3/8"	7/8" (0-24 ft)	41" x 30 3/4"	
118783	FRIFS4BE048KA	4	3/8"	7/8" (0-24 ft)	41" x 30 3/4"	
118784	FRIFS4BE060K	5	3/8"	7/8" (0-24 ft)	45" x 30 3/4"	

\* When Combined with Proper AHRI Matchup

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## Condensing Units

### FS4BF-K (B,C) 16 Seer \* Condensing Unit

- CoreSense™ Compressor Protection
- Copeland Scroll UltraTech™ Compressor
- Durable, Attractive Cabinet
- Composite Base Pan
- Swept-Wing Fan Blade
- Louvered Condenser Guard
- Removable Top Grille Assembly
- Low Pressure Switch
- High Pressure Switch
- Liquid Line Filter Drier
- One Piece Top/Orifice
- Easy Compressor and Control Access
- Micro-Channel



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
118785	FRIFS4BF024KB	2	3/8"	3/4" (0-24 ft)	37" x 22 3/4"	
118786	FRIFS4BF036KB	3	3/8"	7/8" (0-24 ft)	37" x 30 3/4"	
118787	FRIFS4BF048KC	4	3/8"	7/8" (0-24 ft)	41" x 30 3/4"	
118788	FRIFS4BF060KB	5	3/8"	7/8" (0-24 ft)	45" x 30 3/4"	

### FS4BG Inventor 20 Seer \* Condensing Unit

- iQ Drive®
- Interface Control Board
- System Contro
- System Protection
- Cooling operating temperature range
- Five Minute Restart Time Delay
- Compressor and Component Access
- High Efficiency with the low Sound Levels
- Compressor Sound Blanket
- Variable Speed Condenser Motor and Swept-Wing Fan Blade
- Service Port
- High Pressure Switch
- Low Pressure Switch
- Liquid Line Filter Drier
- Louvered Condenser Guard
- Composite Base Pan
- Corrosion Resistance
- One Piece Top/Orifice
- Removable Top Grille Assembly



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
216523	WSHFS4BG024K	2	3/8"	3/4" (0-24 ft)	37" x 22 1/2"	
216524	FRIFS4BG036K	3	3/8"	7/8" (0-24 ft)	37" x 30 1/2"	
216525	FRIFS4BG048K	4	3/8"	7/8" (0-24 ft)	45" x 30 1/2"	
216526	WSHFS4BG060K	5	3/8"	7/8" (0-24 ft)	45" x 30 1/2"	

\* When Combined with Proper AHRI Matchup

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**Condensing Units - New**


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**Condensing Units****ES4BD High Efficiency 13 SEER Single Stage Air Conditioner**

- *Designed using galvanized steel*
- *Composite base pan*
- *Permanently lubricated motor*
- *Louvered condenser guard*
- *Removable top grille assembly*
- *High pressure switch*
- *Liquid line filter drier*
- *One piece top/orifice*
- *Easy compressor and control access*
- *Mico-channel coils*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
202319	FRIES4BD018KA	1.5	3/8"	3/4"	23-1/2" x 22-3/4"	
202320	FRIES4BD024KB	2	3/8"	3/4"	23-1/2" x 22-3/4"	
202321	FRIES4BD030KB	2.4	3/8"	3/4"	27-1/2" x 22-3/4"	
202322	FRIES4BD036KB	3	3/8"	3/4"(0-24ft) 7/8"(24+ft)	27-1/2" x 22-3/4"	
202323	FRIES4BD042KA	3.5	3/8"	7/8"	27-1/2" x 30-3/4"	

**ES4BE High Efficiency 14 SEER Single Stage Air Conditioner**

- *Designed using galvanized steel*
- *Composite base pan*
- *Permanently lubricated motor*
- *Louvered condenser guard*
- *Removable top grille assembly*
- *High pressure switch*
- *Liquid line filter drier*
- *One piece top/orifice*
- *Easy compressor and control access*
- *Mico-channel coils*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
202331	FRIES4BE048K	4	3/8"	7/8"	39" x 30-3/4"	

\* When Combined with Proper AHRI Matchup

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## Condensing Units - New

### FSA1BD High Efficiency 13 Seer Single Stage Air Conditioner

- *Designed Using Galvanized Steel*
- *Permanently Lubricated Motor:*
- *Removable Top Grille Assembly*
- *High Pressure Switch*
- *Liquid Line Filter Drier*
- *One Piece Top/Orifice*
- *Easy Compressor and Control Access*
- *Composite Base Pan*
- *Swept Wing Fan Blade*
- *Micro-Channel Coils*
- *Servicer-Friendly Jacket*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
232013	FSA1BD4M1SN18K	1.5	3/8"	3/4"	24.5" x 23.75"	
232015	FSA1BD4M1SN24K	2	3/8"	3/4"	24.5" x 23.75"	
232016	FSA1BD4M1SN30K	2.5	3/8"	3/4"	28.5" x 23.75"	
232017	FSA1BD4M1SN36K	3	3/8"	3/4"	28.5" x 23.75"	
232018	FSA1BD4M1SN42K	3.5	3/8"	7/8"	29.25" x 31.75"	
232019	FSA1BD4M1SN48K	4	3/8"	7/8"	29.25" x 31.75"	
232020	FSA1BD4M1SN60K	5	3/8"	7/8"	33.25" x 31.75"	

### FSA1BE High Efficiency 14 SEER Single Stage Air Conditioner

- *Designed Using Galvanized Steel*
- *Permanently Lubricated Motor*
- *Removable Top Grille Assembly*
- *High Pressure Switch*
- *Liquid Line Filter Drier*
- *One Piece Top/Orifice*
- *Easy Compressor and Control Access*
- *Composite Base Pan*
- *Swept Wing Fan Blade*
- *Micro-Channel Coils*
- *Servicer-Friendly Jacket*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
232022	FSA1BE4M1SN18K	1.5	3/8"	3/4"	28.5" x 23.75"	
232023	FSA1BE4M1SN24K	2	3/8"	3/4"	32.5" x 23.75"	
232024	FSA1BE4M1SN30K	2.5	3/8"	3/4"	29.25" x 31.75"	
232025	FSA1BE4M1SN36K	3	3/8"	3/4"	37.25" x 31.75"	
232026	FSA1BE4M1SN42K	3.5	3/8"	7/8"	41.25" x 31.75"	
232027	FSA1BE4M1SN48K	4	3/8"	7/8"	41.25" x 31.75"	
232028	FSA1BE4M1SN60K	5	3/8"	7/8"	45.25" x 31.75"	

\* When Combined with Proper AHRI Matchup

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## Condensing Units - New

### FSA1BF Extra High Efficiency 16 SEER 2 Stage Air Conditioner

- CoreSense™ Compressor Protection
- Copeland Scroll UltraTech™ Compressor
- Designed Using Galvanized Steel
- Composite Base Pan
- Compressor Sound Blanket
- Swept-Wing Fan Blade
- Removable Top Grille Assembly
- Low Pressure Switch
- High Pressure Switch
- One Piece Top/Orifice
- Easy Compressor and Control Access
- Micro-Channel
- Servicer-Friendly Jacket



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
232029	FSA1BF4M2SN24K	2	3/8"	3/4"	36.5" x 23.75"	
232030	FSA1BF4M2SN36K	3	3/8"	7/8"	37.25" x 31.75"	
232031	FSA1BF4M2SN48K	4	3/8"	7/8"	41.25" x 31.75"	
232032	FSA1BF4M2SN60K	5	3/8"	7/8"	45.25" x 31.75"	

### FSA1BG iQ Drive Ultra High Efficiency 20 Seer Variable Stage Air Conditioner

- iQ Drive®: Inverter driven Samsung rotary compressor provides five capacities in modulating operation from a two stage thermostat.
- Cooling operating temperature range: 50 °F to 125 °F.
- Five Minute Restart Time Delay
- Compressor Sound Blanket
- Variable Speed Condenser Motor and Swept-Wing Fan Blade
- High Pressure Switch
- Low Pressure Switch
- Micro-Channel Coils
- Composite Base Pan
- Designed Using Galvanized Steel
- One Piece Top/Orifice
- Removable Top Grille Assembly
- Servicer-Friendly Jacket



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
232033	FSA1BG4MVRN24K	2	3/8"	3/4"	37" x 22 1/2"	
232034	FSA1BG4MVRN36K	3	3/8"	7/8"	37" x 30 1/2"	
232035	FSA1BG4MVRN48K	4	3/8"	7/8"	45" x 30 1/2"	
232036	FSA1BG4MVRN60K	5	3/8"	7/8"	45" x 30 1/2"	

\* When Combined with Proper AHRI Matchup

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## Condensing Units

### Condensing Units

#### 4SCU13LE Standard-Efficiency, Single-Stage Air Conditioner

- Filter drier shipped loose for installation flexibility
- Service valves positioned for quick installation and easy service
- Indoor coil orifice shipped with outdoor unit for optimum efficiency and capacity
- Charged for 15 ft. of line set
- Trade available components
- High and low pressure switches
- Sealed contactor with lugs



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
208383	A4SCU13LE118P2	1.5	3/8"	3/4"	650	1010	25.75" x 26.75" x 24.75"	
208384	A4SCU13LE124P2	2	3/8"	3/4"	800	1010	25.75" x 26.75" x 24.75"	
208385	A4SCU13LE130P2	2.5	3/8"	3/4"	1000	1090	29.75" x 26.75" x 24.75"	
208386	A4SCU13LE136P2	3	3/8"	3/4"	1200	1090	29.75" x 26.75" x 24.75"	
208387	A4SCU13LE142P2	3.5	3/8"	7/8"	1400	825	29.75" x 31.25" x 29.38"	
208388	A4SCU13LE148P2	4	3/8"	7/8"	1600	825	33.75" x 31.25" x 29.38"	
208389	A4SCU13LE160P2	5	3/8"	7/8"	1800	830	29.75" x 31.25" x 29.38"	

#### 4SCU14LE Quiet, Single Stage Air Conditioner

- Filter drier shipped loose for installation flexibility
- Service valves positioned for quick installation and easy service
- Charged for 15 ft. of line set
- Trade available components
- High and low pressure switches factory installed



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
208393	A4SCU14LE118P1	1.5	3/8"	3/4"	650	1075	29.75" x 26.75" x 24.75"	
208394	A4SCU14LE124P1	2	3/8"	3/4"	850	825	29.75" x 31.25" x 29.38"	
208395	A4SCU14LE130P1	2.5	3/8"	3/4"	1000	825	37.75" x 31.25" x 29.38"	
208396	A4SCU14LE136P1	3	3/8"	7/8"	1200	825	37.75" x 31.25" x 29.38"	
208398	A4SCU14LE142P1	3.5	3/8"	7/8"	1400	825	33.75" x 31.25" x 29.38"	
208400	A4SCU14LE148P1	4	3/8"	7/8"	1600	825	33.75" x 31.25" x 29.38"	
208401	A4SCU14LE160P1	5	3/8"	7/8"	1800	825	37.75" x 37.75" x 35.75"	

## Condensing Units

### 4SCU16LE Quiet, Single-Stage Air Conditioner

- Filter drier shipped loose for installation flexibility
- Service valves positioned for quick installation and easy service
- Charged for 15 ft. of line set
- Trade available components
- High and low pressure switches factory installed



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
246809	A4SCU16LE118P1	1.5	3/8"	3/4"	650	1075	29.75" x 26.75" x 24.75"	
246812	A4SCU16LE124P1	2	3/8"	3/4"	850	825	29.75" x 31.35" x 29.38"	
246813	A4SCU16LE130P1	2.5	3/8"	3/4"	1000	825	37.75" x 31.25" x 29.38"	
246814	A4SCU16LE136P1	3	3/8"	7/8"	1200	825	37.75" x 31.25" x 29.38"	
246815	A4SCU16LE142P1	3.5	3/8"	7/8"	1400	825	33.75" x 31.25" x 29.38"	
246818	A4SCU16LE148P1	4	3/8"	7/8"	1600	825	33.75" x 31.25" x 29.38"	
246819	A4SCU16LE160P1	5	3/8"	7/8"	1800	825	37.75" x 37.75" x 35.75"	

### 4SCU16LS High-Efficiency Two-Stage Conditioner

- Communicating capable control board works with "Comfort Sync" thermostat (or conventional thermostat)
- Self diagnostics control board for quick trouble shooting; saves up to 10 fault codes regardless of power interrupt
- Factory installed high and low pressure switches
- Thread-on type pressure switches with valve core for quick service
- Service valves mounted for easy brazing and service
- Factory installed crankcase heater
- Factory installed TXV for excellent refrigeration control
- Fan orifice for sound reduction and efficient performance
- Charged for 15 feet of line set
- Can be matched with Comfort Sync™ enabled or conventional indoor unit



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
208402	A4SCU16LS124P1	2	3/8"	3/7"		825	43.75" x 31.25" x 29.25"	
208403	A4SCU16LS136P1	3	3/8"	7/8"		825	29.75" x 31.25" x 29.25"	
208404	A4SCU16LS148P1	4	3/8"	7/8"		825	37.75" x 31.25" x 29.25"	
208405	A4SCU16LS160P1	5	3/8"	7/8"		825	43.75" x 37.75" x 35.75"	

**Condensing Units**

**4SCU20LX High-Efficiency Variable-Capacity Air Conditioner**

- 45-degree offset gauge ports for easy service
- Service valves positioned for quick installation and service
- Variable speed condenser fan motor
- Swept wing fan blade for quiet operation
- Factory installed crankcase heater
- Factory installed high and low pressure switches
- Thread-on pressure switches for simple, quick service
- Fan orifice for smoother airflow and sound level reduction
- Specialized sensors monitor ambient, liquid line, and coil temperatures for precision system control
- Charged for 15 feet of line set
- Requires Comfort Sync™ thermostat and a Comfort Sync™ enabled matching indoor unit



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
225324	A4SCU20LX124P	2	3/8"	3/4"		VS	37.5" x 35.75" x 37.75"	
225325	A4SCU20LX136P	3	3/8"	7/8"		VS	37.5" x 35.75" x 37.75"	
225326	A4SCU20LX148P	4	3/8"	7/8"		VS	43.75" x 35.75" x 37.75"	
225327	A4SCU20LX160P	5	3/8"	7/8"		VS	43.75" x 35.75" x 37.75"	

## Condensing Units

### Condensing Units

#### 4AC13L 13 SEER Split System Air Conditioner

- R410a Refrigerant
- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air away from living area and shrubbery
- All units factory run tested
- Available with louvered panel or wire guard coil protection
- Easy access to electrical panels
- Corner mounted service valves for easy hook-up and service
- Liquid line filter drier shipped loose
- Charged for 15 feet of interconnecting tubing
- All units ETL and ETLC approved and AHRI certified
- Louvered



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
208719	DUC4AC13L18P	1.5	3/8"	3/4"	650	1010	25" x 24.25" x 24.25"	
208720	DUC4AC13L24P	2	3/8"	3/4"	800	1010	25" x 24.25" x 24.25"	
208721	DUC4AC13L30P	2.5	3/8"	3/4"	1000	1090	29" x 24.25" x 24.25"	
208722	DUC4AC13L36P	3	3/8"	7/8"	1200	1090	29" x 24.25" x 24.25"	
208723	DUC4AC13L42P	3.5	3/8"	7/8"	1400	825	29" x 28.25" x 28.25"	
208724	DUC4AC13L48P	4	3/8"	7/8"	1600	825	33" x 28.25" x 28.25"	
208725	DUC4AC13L60P	5	3/8"	7/8"	1800	830	29" x 28.25" x 28.25"	

#### 4AC14L 14 SEER Split System Air Conditioner

- R410A Refrigerant
- High-quality condenser coil with copper tubing and enhanced lanced fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units factory run tested
- Easy access to electrical panels, pre-wired for easy hook-up
- Liquid line drier shipped loose
- All units ETL and ETLC approved and AHRI Certified
- Charged for 15 feet of interconnecting tubing
- High pressure switch factory installed
- Louvered



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
208726	DUC4AC14L18P	1.5	3/8"	3/4"	650	1075	29" x 24.25" x 24.25"	
208727	DUC4AC14L24P	2	3/8"	3/4"	850	825	29" x 28.25" x 28.25"	
208728	DUC4AC14L30P	2.5	3/8"	3/4"	1000	825	37" x 28.25" x 28.25"	
208729	DUC4AC14L36P	3	3/8"	7/8"	1200	825	37" x 28.25" x 28.25"	
208731	DUC4AC14L42P	3.5	3/8"	7/8"	1400	825	33" x 28.25" x 28.25"	
208733	DUC4AC14L48P	4	3/8"	7/8"	1600	825	33" x 28.25" x 28.25"	
208734	DUC4AC14L60P	5	3/8"	7/8"	1800	825	37" x 32.25" x 32.25"	

**Condensing Units**

**4AC16L 16 SEER Split System Air Conditioner**

- R410A Refrigerant
- High-quality condenser coil with copper tubing and enhanced lanced fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units factory run tested
- Easy access to electrical panels, pre-wired for easy hook-up
- Liquid line drier shipped loose
- All units ETL and ETLC approved and AHRI Certified
- Charged for 15 feet of interconnecting tubing
- High pressure switch factory installed



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
246843	DUC4AC16L18P	1.5	3/8"	3/4"	650	1075	29" x 24.25" x 24.25"	
246846	DUC4AC16L24P	2	3/8"	3/4"	850	825	29" x 24.25" x 24.25"	
246847	DUC4AC16L30P	2.5	3/8"	3/4"	1000	825	37" x 28.25" x 28.25"	
246849	DUC4AC16L36P	3	3/8"	7/8"	1200	825	37" x 28.25" x 28.25"	
246850	DUC4AC16L42P	3.5	3/8"	7/8"	1400	825	33" x 28.25" x 28.25"	
246851	DUC4AC16L48P	4	3/8"	7/8"	1600	825	33" x 28.25" x 28.25"	
246852	DUC4AC16L60P	5	3/8"	7/8"	1800	825	37" x 32.25" x 32.25"	



## Condensing Units

### 4AC16LT 16 SEER Split System Air Conditioner

- Designed for ambients up to 125°F
- All units ETL and ETLA approved and AHRI listed
- Service valves positioned for quick installation and easy service
- High and low pressure switches factory installed
- Comfort Alert 2™ diagnostics is factory installed
- Trade available components
- Factory installed crank case heater
- Charged for 15 ft. of line set
- High-efficiency 2 stage Copeland
- UltraTech™ scroll compressor
- R410a refrigerant
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation
- Full metal louvered panels remove for easy coil cleaning and service
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC-coated wire fan discharge grill
- External gauge ports for easy service
- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow



Part #	Mfg #	Tons	Liq Conn.	Suction Conn.	CFM	RPM	H x L x W	Price
228357	DUC4AC16LT24P	2	3/8"	3/4"	800	1075	29-3/4" x 24-3/4" x 26-3/4"	
228359	DUC4AC16LT36P	3	3/8"	3/4"	1200	825	29-3/4" x 29-3/8" x 31-1/4"	
228360	DUC4AC16LT48P	4	3/8"	7/8"	1600	825	37-3/4" x 29-3/8" x 31-1/4"	
228361	DUC4AC16LT60P	5	3/8"	7/8"	1800	825	43-3/4" x 29-3/8" x 31-1/4"	





## Heat Pumps

### Achiever Series Heat Pumps



- Scroll Compressor
- High & Low Pressure Switches
- Composite Base Pan
- Powder Coat Paint
- External Gauge Ports
- Single Row Coil
- Top Can be Removed without Disconnecting Motor
- Quick Release Louver Panel Design

**Warranties**  
**10-Yr Parts Warranty**

#### R15 Heat Pump R-410A

Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
171675	RP1518AJ1NA	1.5	18,000	3/8"	3/4"	25" x 29-3/4" x 29-3/4"	
171676	RP1524AJ1NA	2.0	24,000	3/8"	3/4"	25" x 29-3/4" x 29-3/4"	
171677	RP1530AJ1NA	2.5	30,000	3/8"	3/4"	31" x 33-3/4" x 33-3/4"	
171678	RP1536AJ1NA	3.0	36,000	3/8"	3/4"	35" x 33-3/4" x 33-3/4"	
171679	RP1542AJ1NA	3.5	42,000	3/8"	7/8"	35" x 33-3/4" x 33-3/4"	
171680	RP1548AJ1NA	4.0	48,000	3/8"	7/8"	39" x 35-3/4" x 35-3/4"	
171681	RP1560AJ1NA	5.0	60,000	3/8"	7/8"	45" x 35-3/4" x 35-3/4"	

#### RP14 Heat Pump R-410A

Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
234447	RP1418FJ1NA	1.5	18,000	3/8"	3/4"	25" x 29-3/4" x 29-3/4"	
234448	RP1424FJ1NA	2.0	24,000	3/8"	3/4"	25" x 29-3/4" x 29-3/4"	
234449	RP1430FJ1NA	2.5	30,000	3/8"	3/4"	25" x 29-3/4" x 29-3/4"	
234450	RP1436FJ1NA	3.0	36,000	3/8"	3/4"	27" x 33-3/4" x 33-3/4"	
234451	RP1442FJ1NA	3.5	42,000	3/8"	7/8"	27" x 33-3/4" x 33-3/4"	
234452	RP1448FJ1NA	4.0	48,000	3/8"	7/8"	35" x 33-3/4" x 33-3/4"	
234453	RP1460FJ1NA	5.0	60,000	3/8"	7/8"	39" x 35-3/4" x 35-3/4"	



## Heat Pumps

### Achiever Plus Series Heat Pumps

- EcoNet™ Enables
- Variable speed scroll compressor
- High pressure switch
- Low pressure transducer
- Powder coat paint
- Field installed filter drier
- Front seating service valves
- Electronic expansion valve



**Warranties**  
10-Yr Parts Warranty

#### UP17 Variable Speed Heat Pump 3-Stage R-410A

Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
185061	UP1724AJVCA	2	24,000	3/8"	3/4"	35" x 33-3/4" x 33-3/4"	
185062	UP1736AJVCA	3	36,000	3/8"	3/4"	35" x 33-3/4" x 33-3/4"	
185063	UP1748AJVCA	4	48,000	3/8"	7/8"	39" x 35-3/4" x 35-3/4"	
185064	UP1760AJVCA	5	60,000	3/8"	7/8"	45" x 35-3/4" x 35-3/4"	

### Ultra Series Heat Pumps

- Scroll compressor
- High & Low pressure switches
- Composite base pan
- Powder coat paint
- External guage ports
- Single row coil
- Top can be removed without disconnecting motor
- Quick release louver panel design
- R-410A Refrigerant



**Warranties**  
10-Yr Parts Warranty

#### UP20 Variable Speed Heat Pump R-410A

Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
189000	UP2024AJVCA	2.0	24,000	3/8"	3/4"	35" x 35-3/4" x 35-3/4"	
222340	UP2036AJVCA	3.0	36,000	3/8"	3/4"	39" x 35-3/4" x 35-3/4"	
189001	UP2048AJVCA	4.0	48,000	3/8"	7/8"	51" x 35-3/4" x 35-3/4"	
222820	UP2060AJVCA	5.0	60,000	3/8"	7/8"	51" x 35-3/4" x 35-3/4"	

## Heat Pumps

### Heat Pumps

#### JT4BE Series 14 SEER High Efficiency Heat Pump

- Single-stage
- Composite base pan
- Permanently lubricated motor
- Durable, attractive cabinet
- Removable top grill assembly
- High pressure switch
- Liquid line filter drier
- One-piece filter top/orifice
- Five minute restart time delay
- Suction accumulator
- Hot gas muffler
- Easy compressor and control access
- Complete metal wrapper
- Fixed orifice
- Micro-channel coils



Part #	Mfg #	Tons	Delay Fuse Max	Suction 0-24'	Suction 25-39'	Suction 40-75'	Pad Size	Unit Height	Price
211094	JT4BE018KA	1.5	20	3/4"	3/4"	3/4"	32 x 32	31-1/2"	
211095	JT4BE024KA	2	30	3/4"	3/4"	3/4"	32 x 32	31-1/2"	
211096	JT4BE030KA	2.5	25	3/4"	3/4"	3/4"	32 x 32	39-1/2"	
211097	JT4BE036KA	3	30	7/8"	7/8"	7/8"	32 x 32	43-1/2"	
211098	JT4BE042KA	3.5	40	7/8"	7/8"	7/8"	32 x 32	43-1/2"	
211099	JT4BE048KA	4	45	7/8"	7/8"	7/8"	32 x 32	43-1/2"	
211100	JT4BE060KA	5	60	7/8"	1-1/8"	1-1/8"	32 x 32	43-1/2"	

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## Heat Pumps

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### Heat Pumps

#### FT4BE 14 Seer \* Heat Pump

- *Designed using galvanized steel*
- *Permanently Lubricated Motor*
- *Composite Base Pan*
- *Louvered Condenser Guard*
- *Removable Top Grille Assembly*
- *Swept-Wing Fan Blade*
- *High Pressure Switch*
- *Low Pressure Switch*
- *Liquid Line Filter Drier*
- *One Piece Top/Orifice*
- *Five Minute Restart Time Delay*
- *Easy Compressor and Control Access*
- *Fixed Orifice*
- *Micro-Channel Coils*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
118823	FRIFT4BE018K	1.5	3/8"	3/4" (0-24 ft)	33 1/2" x 30 3/4"	
118824	FRIFT4BE024K	2	3/8"	3/4" (0-24 ft)	33 1/2" x 30 3/4"	
118825	FRIFT4BE030K	2.5	3/8"	3/4" (0-24 ft)	41 1/2" x 30 3/4"	
118826	FRIFT4BE036K	3	3/8"	7/8" (0-24 ft)	45 1/2" x 30 3/4"	
118827	FRIFT4BE042K	3.5	3/8"	7/8" (0-24 ft)	45 1/2" x 30 3/4"	
118828	FRIFT4BE048K	4	3/8"	7/8" (0-24 ft)	45 1/2" x 30 3/4"	
118829	FRIFT4BE060K	5	3/8"	7/8" (0-24 ft)	45 1/2" x 30 3/4"	

\* When Combined with Proper AHRI Matchup

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## Heat Pumps

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### FT4BF 16 Seer \* Heat Pump

- CoreSense™ Compressor Protection
- Copeland Scroll UltraTech™ Compressor
- Durable, Attractive Cabinet
- Composite Base Pan
- Copper Tube / Aluminum Fin Coils
- Demand Defrost
- Louvered Condenser Guard
- Removable Top Grille Assembly
- Compressor Sound Blanket
- Swept-Wing Fan Blade
- Low Pressure Switch
- High Pressure Switch
- Liquid Line Filter Drier
- One Piece Top/Orifice
- Common Suction Service Port
- Three Minute Restart Time Delay
- Suction Accumulator
- Hot Gas Muffler
- Easy Compressor and Control Access



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
118812	FRIFT4BF024KA	2	3/8"	3/4" (0-24 ft)	45 1/2" x 31 1/4"	
118813	FRIFT4BF036KA	3	3/8"	7/8" (0-24 ft)	45 1/2" x 31 1/4"	
118814	FRIFT4BF048KA	4	3/8"	7/8" (0-24 ft)	45 1/2" x 31 1/4"	
118815	FRIFT4BF060KA	5	3/8"	7/8" (0-24 ft)	45 1/2" x 31 1/4"	

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## Heat Pumps

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### FT4BG 19 Seer \* Heat Pump

- iQ Drive
- Interface control board
- Utilizes a Nortek Global HVAC
- System Protection
- Cooling operating temperature range:
- Locks out heat pump heating
- Adaptive demand defrost
- Five Minute Restart Time Delay
- Suction Accumulator
- Compressor and Component Access
- High Efficiency with the low Sound Levels
- Compressor Sound Blanket
- Variable Speed Condenser
- Common Suction Service Port
- Discharge muffler
- High Pressure Switch
- Low Pressure Switch
- Liquid Line Filter Drier:
- Copper Tube / Aluminum Fin Coils
- Louvered Condenser Guard
- Composite Base Pan
- Designed using galvanized steel
- One Piece Top/Orifice
- Removable Top Grille Assembly



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
206889	FRIFT4BG024K	2	3/8"	3/4" (0-24 ft)	37" x 31 1/4"	
206890	FRIFT4BG036K	3	3/8"	7/8" (0-24 ft)	41" x 31 1/4"	
206891	FRIFT4BG048K	4	3/8"	7/8" (0-24 ft)	41" x 31 1/4"	
206892	FRIFT4BG060K	5	3/8"	7/8" (0-24 ft)	45" x 31 1/4"	

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**Heat Pumps - New**


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**Heat Pumps****FSH1BE High Efficiency 14 Seer Single Stage Heat Pump**

- *Permanently Lubricated Motor*
- *Composite Base Pan*
- *Removable Top Grille Assembly*
- *Swept-Wing Fan Blade*
- *High Pressure Switch*
- *Low Pressure Switch*
- *Liquid Line Filter Drier*
- *One Piece Top/Orifice*
- *Five Minute Restart Time Delay*
- *Easy Compressor and Control Access*
- *Fixed Orifice*
- *Micro-Channel Coils*
- *Servicer-Friendly Jacket*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
232043	FSH1BE4M1SP18K	1.5	3/8"	3/4"	33.25" x 31.75"	
232044	FSH1BE4M1SP24K	2	3/8"	3/4"	33.25" x 31.75"	
232045	FSH1BE4M1SP30K	2.5	3/8"	3/4"	41.25" x 31.75"	
232046	FSH1BE4M1SP36K	3	3/8"	7/8"	45.25" x 31.75"	
232047	FSH1BE4M1SP42K	3.5	3/8"	7/8"	45.25" x 31.75"	
232048	FSH1BE4M1SP48K	4	3/8"	7/8"	45.25" x 31.75"	
232049	FSH1BE4M1SP60K	5	3/8"	7/8"	45.25" x 31.75"	

\* When Combined with Proper AHRI Matchup

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**Heat Pumps - New**


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**FSH1BF Extra High Efficiency 16 Seer 2 Stage Heat Pump**

- CoreSense™ Compressor Protection
- Copeland Scroll UltraTech™ Compressor
- Copeland's proven and simple design equates to years of comfort and reliability for the homeowner with virtually silent operation.
- Designed Using Galvanized Steel
- Composite Base Pan
- Micro-Channel Coils
- Demand Defrost
- Removable Top Grille Assembly
- Compressor Sound Blanket
- Swept-Wing Fan Blade
- Low Pressure Switch
- High Pressure Switch
- Liquid Line Filter Drier
- One Piece Top/Orifice
- Common Suction Service Port
- Five Minute Restart Time Delay
- Suction Accumulator
- Hot Gas Muffler
- Easy Compressor and Control Access
- Servicer-Friendly Jacket



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
232050	FSH1BF4M2SX24K	2	3/8"	3/4"	37.25" x 31.75"	
232051	FSH1BF4M2SX36K	3	3/8"	7/8"	45.25" x 31.75"	
232052	FSH1BF4M2SX48K	4	3/8"	7/8"	45.25" x 31.75"	
232053	FSH1BF4M2SX60K	5	3/8"	7/8"	45.25" x 31.75"	

\* When Combined with Proper AHRI Matchup

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**Heat Pumps - New**


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**FSH1BG iQ Drive Ultra High Efficiency 19 Seer Variable Stage Heat Pump**

- *iQ Drive: Inverter driven Samsung rotary compressor provides five capacities in modulating operation from a two stage thermostat.*
- *Interface control board*
- *System Protection*
- *Cooling operating temperature range: 50 °F to 125 °F.*
- *Locks out heat pump heating: below 0 °F.*
- *Adaptive demand defrost*
- *Five Minute Restart Time Delay*
- *Suction Accumulator*
- *Compressor and Component Access*
- *High Efficiency with the low Sound Levels*
- *Compressor Sound Blanket*
- *Variable Speed Condenser Motor and Swept-Wing Fan Blade*
- *Common Suction Service Port*
- *Dischargemuffler: Reduces compressor noise and vibration.*
- *High Pressure Switch*
- *Low Pressure Switch*
- *Liquid Line Filter Drier:*
- *Copper Tube / Aluminum Fin Coils*
- *Composite Base Pan*
- *One Piece Top/Orifice*
- *Removable Top Grille Assembly*
- *Service-Friendly Jacket*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
232054	FSH1BG4CVRX24K	2	3/8"	3/4"	37.25" x 31.75"	
232055	FSH1BG4CVRX36K	3	3/8"	7/8"	41.25" x 31.75"	
232056	FSH1BG4CVRX48K	4	3/8"	7/8"	41.25" x 31.75"	
232057	FSH1BG4CVRX60K	5	3/8"	7/8"	45.25" x 31.75"	

**ET4BE High Efficiency 14 SEER Single Stage Heat Pump**

- *Designed using galvanized steel*
- *Permanently lubricated motor*
- *Composite base pan*
- *Permanently lubricated motor*
- *Louvered condenser guard*
- *Removable top grille assembly*
- *High pressure switch*
- *Liquid line filter drier*
- *One piece top/orifice*
- *Easy compressor and control access*
- *Mico-channel coils*



Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
202451	FRIET4BE030KA	2.5	3/8"	3/4"	27" x 30-3/4"	
202452	FRIET4BE036KA	3	3/8"	7/8"	35" x 30-3/4"	

\* When Combined with Proper AHRI Matchup

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**Heat Pumps - New**


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**Heat Pumps (Continued)****ET4BE High Efficiency 14 SEER Single Stage Heat Pump**

Part #	Mfg #	Tons	Liq Conn	Suction Conn	Dimensions (H x W)	Price
202453	FRIET4BE042KA	3.5	3/8"	7/8"	39" x 30-3/4"	

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## Heat Pumps

### Heat Pumps

#### 4SHP14LE Quiet, Single-Stage Heat Pump

- Filter drier shipped loose for installation flexibility
- Discharge muffler for quiet operation
- High Pressure switch
- Low pressure switch for loss of charge system protection
- Reliable, solid state, time-initiated, temperature terminated defrost system
- Service valves positioned for quick installation and easy service
- Trade-available components
- Defrost control features built-in diagnostics for easier service
- Defrost control has short cycle protection to protect compressor
- Defrost control is Quiet Shift™ capable
- Defrost cycle is field selectable 30/60/90 minutes
- Sealed contactor with lugs
- Sound cover



Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
208418	A4SHP14LE118P1	1.5	18,000	3/8"	3/4"	37.75" x 29.25" x 31.25"	
208419	A4SHP14LE124P1	2	24,000	3/8"	3/4"	37.75" x 31.25" x 29.25"	
208420	A4SHP14LE130P1	2.5	30,000	3/8"	3/4"	37.75" x 31.25" x 29.25"	
208421	A4SHP14LE136P1	3	36,000	3/8"	7/8"	33.75" x 29.25" x 31.25"	
208422	A4SHP14LE142P1	3.5	42,000	3/8"	7/8"	37.75" x 35.75" x 37.75"	
208423	A4SHP14LE148P1	4	48,000	3/8"	7/8"	37.75" x 35.75" x 37.75"	
208424	A4SHP14LE160P1	5	60,000	3/8"	7/8"	43.75" x 35.75" x 37.75"	

#### 4SHP16LS High-Efficiency Two-Stage Heat Pump

- 45-degree offset service valves ports for easy service
- Factory installed crankcase heater
- Factory installed TXV for excellent refrigeration control
- Factory installed high and low pressure switches
- Thread-on-pressure switches for simple, quick service
- Fan orifice for smoother airflow and sound level reduction
- Specialized sensors monitor ambient, liquid line, and discharge temperatures for precision system control
- Charged for 15 feet of line set
- Discharge muffler for quiet operation
- Demand defrost for increased energy efficiency
- Quiet Shift capable to reduce noise during defrost
- Operates most efficiently with Comfort Sync™ thermostat and communicating indoor unit
- Operates with standard thermostat and non-communicating indoor unit



Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
208425	A4SHP16LS124P2	2	24,000	3/8"	3/4"	33.75" x 24.75" x 26.75"	
208426	A4SHP16LS136P2	3	36,000	3/8"	7/8"	43.75" x 29.25" x 31.25"	
208427	A4SHP16LS148P2	4	48,000	3/8"	7/8"	37.75" x 35.75" x 37.75"	
208428	A4SHP16LS160P2	5	60,000	3/8"	1-1/8"	43.75" x 35.75" x 37.75"	

## Heat Pumps

### 4SHP15LE Quiet, Single-Stage Heat Pump

- Filter drier shipped loose for installation flexibility
- Discharge muffler for quiet operation
- High Pressure switch
- Low pressure switch for loss of charge system protection
- Reliable, solid state, time-initiated, temperature terminated defrost system
- Service valves positioned for quick installation and easy service
- Trade-available components
- Defrost control features built-in diagnostics for easier service
- Defrost control has short cycle protection to protect compressor
- Defrost control is Quiet Shift™ capable
- Defrost cycle is field selectable 30/60/90 minutes
- Sealed contactor with lugs
- Sound cover



Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
246821	A4SHP15LE118P1	1.5	18,000	3/8"	3/4"	37.75" x 31.25" x 29.25"	
246823	A4SHP15LE124P1	2	24,000	3/8"	3/4"	37.75" x 31.25" x 29.25"	
246824	A4SHP15LE130P1	2.5	30,000	3/8"	3/4"	37.75" x 31.25" x 29.25"	
246827	A4SHP15LE136P1	3	36,000	3/8"	7/8"	33.75" x 31.25" x 29.25"	
246828	A4SHP15LE142P1	3.5	42,000	3/8"	7/8"	37.75" x 37.75" x 35.75"	
246830	A4SHP15LE148P1	4	48,000	3/8"	7/8"	37.75" x 37.75" x 35.75"	
246831	A4SHP15LE160P1	5	60,000	3/8"	1-1/8"	43.75" x 37.75" x 35.75"	

### 4SHP20LX High-Efficiency Variable-Capacity Heat Pump

- 45-degree offset gauge ports for easy service
- Service valves positioned for quick installation and service
- Variable speed condenser fan motor
- Swept wing fan blade for quiet operation
- Factory installed crankcase heater
- Factory installed TXV for excellent refrigeration control
- Factory installed high and low pressure switches
- Thread-on pressure switches for simple, quick service
- Fan orifice for smoother airflow and sound level reduction
- Specialized sensors monitor ambient, liquid line, and coil temperatures for precision system control
- Charged for 15 feet of line set
- Discharge muffler for quiet operation
- Demand defrost for increased energy efficiency
- Quiet Shift™ capable to reduce noise during defrost
- Requires Comfort Sync™ thermostat and a Comfort Sync enabled matching indoor unit



Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
225319	A4SHP20LX124P	2	24,000	3/8"	3/4"	37.75" x 37.75" x 35.75"	
225321	A4SHP20LX136P	3	36,000	3/8"	7/8"	37.75" x 37.75" x 35.75"	
225322	A4SHP20LX148P	4	48,000	3/8"	7/8"	43.75" x 37.75" x 35.75"	
225323	A4SHP20LX160P	5	60,000	3/8"	1-1/8"	43.75" x 37.75" x 35.75"	

## Heat Pumps

### Heat Pumps

#### 4HP14L 14 SEER Split System Heat Pump

- R410A Refrigerant
- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- Louvered panel coil protection (14L series only)
- Easy access to electrical panels, pre-wired for easy hook-up
- Bi-directional liquid line filter drier factory installed
- Discharge muffler for quiet operation
- Integrated control with LED diagnostics
- Short cycle protection factory installed
- All units ETL and ETLC approved and AHRI Certified
- Charged for 15 feet of interconnecting tubing
- Louvered



Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
208743	DUC4HP14L18P	1.5	18,000	3/8"	3/4"	37" x 28.25" x 28.25"	
208744	DUC4HP14L24P	2	24,000	3/8"	3/4"	37" x 28.25" x 28.25"	
208745	DUC4HP14L30P	2.5	30,000	3/8"	3/4"	37" x 28.25" x 28.25"	
208746	DUC4HP14L36P	3	36,000	3/8"	3/4"	33" x 28.25" x 28.25"	
208747	DUC4HP14L42P	3.5	42,000	3/8"	7/8"	37" x 32.25" x 32.25"	
208748	DUC4HP14L48P	4	48,000	3/8"	7/8"	37" x 32.25" x 32.25"	
208749	DUC4HP14L60P	5	60,000	3/8"	7/8"	43" x 32.25" x 32.25"	

#### 4HP15L 15 SEER Split System Heat Pump

- R410A Refrigerant
- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air and sound away from living area and shrubbery
- All units run tested
- Louvered panel coil protection
- Easy access to electrical panels, pre-wired for easy hook-up
- Bi-directional liquid line filter drier factory installed
- Discharge muffler for quiet operation
- Reliable, solid state defrost control
- Defrost control is Quiet Shift™ capable
- Low pressure switch factory installed for loss of charge protection
- Integrated control with LED diagnostics
- Short cycle protection factory installed
- All units ETL and ETLC approved and AHRI Certified
- Charged for 15 feet of interconnecting tubing



Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
246854	DUC4HP15L18P	1.5	18,000	3/8"	3/4"	37" x 28.25" x 28.28"	
246856	DUC4HP15L24P	2	24,000	3/8"	3/4"	37" x 28.25" x 28.28"	
246857	DUC4HP15L30P	2.5	30,000	3/8"	3/4"	37" x 28.25" x 28.28"	
246858	DUC4HP15L36P	3	36,000	3/8"	3/4"	33" x 28.25" x 28.25"	

## Heat Pumps

### Heat Pumps (Continued)

#### 4HP15L 15 SEER Split System Heat Pump

Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
246859	DUC4HP15L42P	3.5	42,000	3/8"	7/8"	37" x 32.25" x 32.25"	
246860	DUC4HP15L48P	4	48,000	3/8"	7/8"	37" x 32.25" x 32.25"	
246861	DUC4HP15L60P	5	60,000	3/8"	7/8"	43" x 32.25" x 32.25"	

#### 4HP16LT 16 SEER Split System Heat Pump

- Service valves positioned for quick installation and easy service
- Comfort Alert 2 diagnostics factory installed
- Reliable, solid state defrost control
- Defrost control is Quiet Shift™ capable
- Designed for ambients up to 125°F
- All units ETL and ETLC approved and AHRI certified
- High pressure switch
- Low pressure switch for loss of charge protection
- High-efficiency 2 stage Copeland Ultra Tech™ scroll compressor
- R410a refrigerant
- Full metal louvered panel coil guard protection

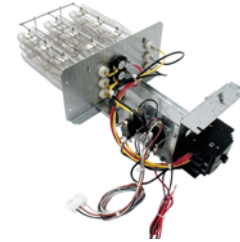


Part #	Mfg #	Tons	BTUH	Liquid Conn	Suction Conn	H x L x W	Price
228364	DUC4HP16LT24P	2	24,000	3/8"	3/4"	33-3/4" x 26-3/4" x 24-3/4"	
228365	DUC4HP16LT36P	3	36,000	3/8"	3/4"	37-3/4" x 31-1/4" x 29-3/8"	
217361	DUC4HP16LT48P	4	48,000	3/8"	7/8"	37-3/4" x 37-3/4" x 35-3/4"	
228366	DUC4HP16LT60P	5	60,000	3/8"	7/8"	43-3/4" x 37-3/4" x 35-3/4"	



**Electric Heat Kits**

**Electric Heat Kits**



**Electric Heat Kit for Air Handlers**

Part #	Mfg #	kW Heat	Electrical	Size	Price
091408	RXBH-24A20J	20kW	208/240-1-60	3.5 - 5.0 Ton	
091409	RXBH-24A25J	25kW	258/240-1-60	3.5 - 5.0 Ton	
133871	RXBH-24A30J	30kW	208/240-1-60	3.5 - 5.0 Ton	
133869	RXBH-1724A05J	5kw	208/240-1-60	1.5 - 5.0 Ton	
133433	RXBH-1724A07J	7kW	208/240-1-60	1.5 - 5.0 Ton	
133643	RXBH-1724A10J	10kW	208/240-1-60	1.5 - 5.0 Ton	
133644	RXBH-1724A15J	15kW	208/240-1-60	1.5 - 5.0 Ton	

## Mini-Split Components & Accessories

### Single Zone Indoor Air Handler Units

- *Model Nomenclature Prefix*
- **ASU** Wall Mount
- **ABU** Universal Mount
- **ARU** Slim Duct
- **AUU** Cassette Mount
- **AGU** Floor Mount
- *Y Models are Wi-Fi capable*

Part #	Mfg #	Nom Cool BTUH	Nom Heat BTUH	SEER	HSPF	Indoor/Outdoor Combo	Price
172855	ASU18RLB	18,000	24,000	19.0	10.6	12-5/8"H x 39-5/16"W x 9"D	
172858	ASU24RLB	24,000	24,000	18.0	10.6	12-5/8"H x 39-5/16"W x 9"D	
172861	ASU30RLXB	30,700	30,000	16.5	9.0	12-5/8"H x 39-5/16"W x 9"D	
172864	ASU36RLXB	33,000	34,000	15.5	9.0	12-5/8"H x 39-1/2"W x 9"D	
231323	ASU9RLS3Y	9,000	12,000	33.0	14.00	11-5/8"H x 37"W x 10-5/8"D	
228370	ASU12RLS3Y	12,000	16,000	33.0	13.8	11-5/8"H x 37"W x 10-5/8"D	
230063	ASU15RLS3Y	14,500	18,000	33.0	13.3	11-5/8"H x 37"W x 10-5/8"D	
114270	ASU30RLX	36,000	32,000	17.5	8.5	12-5/8"H x 39-1/2"W x 9"D	
110547	ABU18RULX	17,800	21,500	16.0	8.5	25-7/8"H x 39-1/8"W x 7-7/8"D	
127976	ABU24RULX	22,200	24,000	15.0	8.5	25-7/8"H x 39-1/8"W x 7-7/8"D	
132067	ABU36RSLX	34,100	36,500	14.0	8.5	27-5/8"H x 65-1/2"W x 9-1/2"D	
103316	AUU18RCLX	17,800	21,000	16.0	8.5	9-3/4"H x 32-3/4"W x 32-3/4"D	
103314	AUU24RCLX	22,200	24,200	15.0	8.5	9-3/4"H x 32-3/4"W x 32-3/4"D	
111987	AUU36RCLX	34,100	36,000	14.0	8.5	11-5/8"H x 32-3/4"W x 32-3/4"D	
120771	AUU42RCLX	42,700	45,200	15.0	8.5	11-5/8"H x 32-3/4"W x 32-3/4"D	

### Single Zone Outdoor Condenser Units

Part #	Mfg #	Nom Cool BTUH	Nom Heat BTUH	SEER	HSPF	Indoor/Outdoor Combo	Price
172856	AOU18RLB	18,000	24,000	19.0	10.6	24-7/16"H x 31-1/8"W x 11-7/16"D	
172859	AOU24RLB	24,000	24,000	18.0	10.6	24-7/16"H x 31-1/8"W x 11-7/16"D	
172862	AOU30RLXB	30,700	30,000	16.5	9.0	32-3/4"H x 35-1/2"W x 15-3/4"D	
172865	AOU36RLXB	33,000	34,000	15.5	9.0	32-3/4"H x 35-1/2"W x 15-3/4"D	
163986	AOU9RLF1	9,000	12,000	23	11.0	21-1/4"H x 26"W x 11-7/16"D	
163991	AOU12RLF1	12,000	16,000	22.0	11.0	21-1/4"H x 31-1/8"W x 11-7/16"D	
136262	AOU18RLXFW	18,000	18,000	Up to 19.2	Up to 10	32-3/4"H x 35-3/8"W x 13"D	
224794	AOU24RLXFW	24,000	24,000	Up to 18.0	Up to 10	32-3/4"H x 35-3/8"W x 13"D	
172181	AOU9RLS3H	9,000	12,000	33	14.00	24-7/16"H x 31-1/8"W x 11-11/32"D	
172186	AOU12RLS3H	12,000	16,000	33	13.8	24-7/16"H x 31-1/8"W x 11-11/32"D	
172192	AOU15RLS3H	14,500	18,000	33	13.3	24-7/16"H x 31-1/8"W x 11-11/32"D	
172178	AOU9RLS3	9,000	12,000	27.2	12.5	24-13/32"H x 31-3/32"W x 13-27/32"D	
172184	AOU12RLS3	12,000	16,000	25.0	12.0	24-13/32"H x 31-3/32"W x 13-27/32"D	
172190	AOU15RLS3	14,500	18,000	21.5	12.0	24-13/32"H x 31-3/32"W x 13-27/32"D	
103317	AOU18RLX	17,800	21,000	16.0	8.5	32-3/4"H x 35-1/2"W x 13"D	
103315	AOU24RLX	22,200	24,200	15.0	8.5	32-3/4"H x 35-1/2"W x 13"D	

**Mini-Split Components & Accessories**

**Single Zone Outdoor Condenser Units (Continued)**

Part #	Mfg #	Nom Cool BTUH	Nom Heat BTUH	SEER	HSPF	Indoor/Outdoor Combo	Price
114272	AOU30RLX	36,000	32,000	17.5	8.5	32-3/4"H x 35-1/2"W x 13"D	
111988	AOU36RLX	34,100	36,500	14.0	8.5	32-3/4"H x 35-1/2"W x 13"D	
120772	AOU42RLX	42,700	45,200	15.0	8.5	50-7/8"H x 35-1/2"W x 13"D	
163994	AOU9RLFF	9,000	12,000	26	12.6	24-7/16"H x 31-1/8"W x 11-7/16"D	
164000	AOU12RLFF	12,000	16,000	22.7	11.6	24-7/16"H x 31-1/8"W x 11-7/16"D	
164005	AOU15RLFF	14,200	18,000	20.3	11.2	24-7/16"H x 31-1/8"W x 11-7/16"D	
163995	AOU9RLFFH	9,000	12,000	26.0	12.6	24-7/16"H x 31-1/8"W x 11-7/16"D	
164001	AOU12RLFFH	12,000	16,000	22.7	11.6	24-7/16"H x 31-1/8"W x 11-7/16"D	
164006	AOU15RLFFH	14,200	18,000	20.3	11.2	24-7/16"H x 31-1/8"W x 11-7/16"D	
154467	AOU9RLFC	9,000	12,000	21.5	12.2	24-13/32"H x 31-3/32"W x 11-11/32"D	
154468	AOU12RLFC	12,000	16,000	20.0	11.5	24-13/32"H x 31-3/32"W x 11-11/32"D	
154469	AOU18RLFC	18,000	21,600	19.7	11.3	24-13/32"H x 31-3/32"W x 13-27/32"D	

**Mini Split System Remotes**

**UTY-DMMUM Central Remote Controller**



Part #	Mfg #	Description	Price
133357	UTY-DMMUM	HFI Central Remote	

**UTY-RVNUM Wired Remote Controller**

- Large backlit LCD display
- Displays room temperature
- Provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers



Part #	Mfg #	Description	Price
160489	UTY-RVNUM	Wired Remote Controller	

**UTY-RNNUM Remote Control for Wall Mounts**

- Full function wired remote
- Unique lock function



Part #	Mfg #	Description	Price
133358	UTY-RNNUM	HFI Wired Remote Control for Flex Wall Mounts	

## Mini-Split Components & Accessories

### UTY-LNHUM Wireless Remote Control

Part #	Mfg #	Description	Price
133360	UTY-LNHUM	HFI Wireless Remote Control	

### UTY-RNBYU Wired Remote Control for Wall-Mounted Units

- Remote control thermo sensor
- Child lock capable

Part #	Mfg #	Description	Price
129542	UTY-RNBYU	Wired Remote Control for Wall-Mounted Units	

### UTY-RSNUM Simple Wired Remote Control

Part #	Mfg #	Description	Price
133359	UTY-RSNUM	HFI Simple Wired Remote Control	

### RC Wired Module

Part #	Mfg #	Description	Price
177221	FJ-RC-WIFI-1NA	RC Wired Module for Cassette, Slim Duct, Ceiling, Universal	

### IR Wireless Module

Part #	Mfg #	Description	Price
177218	FJ-IR-WIFI-1NA	IR Wireless Module for Wall Mounts & Floor Mounts	

### External Connect Kit

Part #	Mfg #	Description	Price
157680	UTD-ECS5A	For Indoor Unit	
138785	UTY-XWZX	For Outdoor Unit	

### Interface Kit

- Required to connect the ASU9RLS2, ASU12RLS2 and ASU15RLS2 to wired remote UTY-RNNUM, Dry contact wire kit UTY-XWZXZ5, and simple remote control UTY-RSNUM

Part #	Mfg #	Description	Price
154241	UTY-TWBXF1	Interface Kit	

## Fujitsu Halcyon Parts & Accessories

Part #	Mfg #	Description	Price
215120	K9601847014	Motor Fan	
218871	K9708713427	12RLS2 PSCB Control	
210496	K9970101038	TXV Coil B=White	
133362	UTY-LRHUM	HFI Receiver Unit	
239432	UTY-TFNXZ2	WIFI Interface Module	
154501	UTY-XSZX	Remote Sensor	
213095	UTY-XWZXZ5	Dry Contact Wire Kit	
213098	UTZ-KXGC	High Humidity Insulation Kit	

**Mini-Split Components & Accessories**

**Fujitsu Halcyon Parts & Accessories (Continued)**

Part #	Mfg #	Description	Price
147843	UTD-GXSB-W	Auto Louver Grille Kit (ARU18)	

**Branch Box**



UTP-PU03A

Part #	Mfg #	Description	Price
133354	UTP-PU03A	Flex Primary Branch Box	
133355	UTP-PU03B	Flex Secondary Branch Box	
158380	UTP-PX-A	Branch Box Outdoor Enclosure	

**Fresh Air Intake Kit**

- Mixes room air then passes it through a heat exchanger
- Allows for a 4-inch flex duct connection
- Requires a field supplied duct booster fan capable of 60 CFM at 2"W.C. or 90 CFM 4"W.C.



Part #	Mfg #	Description	Price
151930	UTZ-VXAA	Fresh Air Intake Kit	

**Condensate Pump**

- For ABU36RSLX
- Raises the drain/discharge point of your unit by 11.8"



Part #	Mfg #	Description	Price
141456	UTR-DPB24T	Condensate Pump for ABU36RSLX	

**Fitting Kit for 18 and 18 Indoor Combination**

Part #	Mfg #	Description	Price
141472	K9FZ1818	Fitting Kit	




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## Mini-Split Components & Accessories

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### Parts & Accessories

Part #	Mfg #	Description	Price
124548	K9R410A55	Halcyon Access Fitting (K9R410A)	
213848	K9372266144	Remote Sensor	
242748	K9708511511	Controller PCB AOU30RLX	
232462	K9708513072	Power Supply	
242749	K9708513041	Power Filter PCB RLXS	
241532	K9710621802	Controller PCB	

## Mini-Split Components & Accessories

### Mini-Split Accessories

#### Desolv™ Cleaning Kit

- *Kit Includes:*
- Desolv Cleaning Solution (1 gal.)
- C-Band Frame Assembly
- Single Use Funnel Bags (2)
- Cleaning Brush (1)
- Drain Pail (5 gal)
- Installation Instructions



Part #	Mfg #	Description	Price
173866	82560	Mini-Split Evaporator Coil Cleaning Kit	

#### Mighty Bracket™

#### Mini-Split Installation Support Tool

- *Allows single person installation*
- *Simple clip on support*
- *Does not damage walls*
- *Use on all brands of mini-splits*



Part #	Mfg #	Description	Price
172977	97705	Clips to Mini-Split Mounting Bracket	

#### NoKink™ Flexible Refrigerant Line Connector

- *Eliminates kinking of copper refrigerant tubing when wall-mounting mini-split evaporators*
- *Easy flaring*
- *Quick connection*
- *Corrugated 300 Series stainless steel flexible piping*



Part #	Mfg #	Size	Price
172973	66731	1/4" x 3' Flex Hose	
172974	66733	3/8" x 3' Flex Hose	
172976	66737	1/2" x 3' Flex Hose	
172975	66735	5/8" x 3' Flex Hose	



## Multi Zone Mini-Split Systems

### Multi Zone Mini-Splits - Outdoor Units

#### Multi-Zone Outdoor Units

- Seven year compressor warranty
- Five year parts warranty
- Energy Star Qualified
- Auto Restart/Reset
- Refrigerant R410A
- Quiet Mode
- Sleep Timer



AOU18, 24RLXFZ

AOU36RLXFZ1

AOU45RLXFZ

Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions
136565	AOU18RLXFZ	18,000	18,000	19.2	10	27-9/16"H x 35-7/16"W x 13"D
136566	AOU24RLXFZ	24,000	24,000	18.0	10	27-9/16 "H x 35-7/16"W x 13"D
173774	AOU36RLXFZ1	36,000	36,000	18.0	9.4	32-11/16"H x 35-7/16"W x 13"D
189472	AOU45RLXFZ	48,000	48,000	19.7	10.3	39-5/16"H x 38-3/16"W x 14-9/16"D

#### Multi-Zone XLTH Outdoor Units

- Individual zoning
- Inverter technology
- Inverter control
- Extra low temperature heating
- Base freeze prevention
- Cassette model fits into standard ceiling tile
- Hidden or showcased indoor unit
- Stable and comfortable



Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions
173696	AOU18RLXFZH	18,000	22,000	21.5	10.3	32-11/16"H x 35-7/16"W x 13"D
173697	AOU24RLXFZH	22,000	25,000	20.0	10.3	32-11/16"H x 35-7/16"W x 13"D
189473	AOU36RLXFZH	35,200	36,400	20.0	10.3	39-5/16"H x 38-3/16"W x 14-9/16"D

#### Flex Zone Outdoor Unit

- Individual zoning
- Inverter technology
- Inverter control
- 130% Connectable capacity
- Cassette model fits into standard ceiling tile
- Central remote control (optional accessory part #UTY-DMMUM)
- Hidden or showcased indoor unit
- Stable and comfortable
- Flex provides the ability to connect up to 8-zones



Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions
133340	AOU48RLXFZ1	48,000	54,000	17.0	9.8	36"H x 38-1/4"W x 14-5/8"D

**Multi Zone Mini-Split Systems**

**Multi Zone Mini-Splits - Indoor Units**  
**Compact Wall-Mounted Indoor Heat Pump**

- Auto Restart/Reset
- Minimum Heat Mode
- Auto Mode
- Dry Mode
- 24-Hour Timer
- Sleep Timer
- Ion Deodorizing Filter
- Apple Catechin Filter



Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions	Price
164013	ASU7RLF1	7,000	8,100	17.0	9.8	10-1/2"H x 33-1/16"W x 8"D	
163984	ASU9RLF1	9,000	10,200	17.0	9.8	10-1/2"H x 33-1/16"W x 8"D	
163989	ASU12RLF1	12,000	13,500	17.0	9.8	10-1/2"H x 33-1/16"W x 8"D	

**Large Wall-Mounted Indoor Heat Pump**

- Auto Restart/Reset
- Minimum Heat Mode
- Auto Mode
- Dry Mode
- 24-Hour Timer
- Sleep Timer
- Ion Deodorizing Filter
- Apple Catechin Filter



Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions	Price
133344	ASU18RLF	16,200	20,000	17.0	9.8	12-5/8"H x 39-1/4"W x 9"D	
133345	ASU24RLF	24,000	27,000	17.0	9.8	12-5/8"H x 39-1/4"W x 9"D	

**Designer Series Wall-Mounted Indoor Heat Pump**

- Auto Restart/Reset
- Minimum Heat Mode
- Auto Mode
- Dry Mode
- 24-Hour Timer
- Sleep Timer
- Ion Deodorizing Filter
- Apple Catechin Filter



Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions	Price
229612	ASU15RLF1	14,000	16,300	21.5	-	11-1/8"H x 34-1/4"W x 7-1/4"D	

**Multi Zone Mini-Split Systems**

**Slim Duct Ducted Indoor Heat Pump**

- Fresh Air Intake
- Condensate Pump
- Auto Changeover
- Auto Restart/Reset
- Quiet Mode
- Auto Mode
- Weekly Timer
- Dry Mode



Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions
167720	ARU7RLF	7,000	8,100	14.7	9.3	7-25/32"H x 27-9/16"W x 24-13/32"D
133350	ARU9RLF	9,000	12,000	21.5	12.2	7-25/32"H x 27-9/16"W x 24-13/32"D
133351	ARU12RLF	12,000	16,000	20.0	11.5	7-25/32"H x 27-9/16"W x 24-13/32"D
133352	ARU18RLF	18,000	21,600	19.7	11.3	7-25/32"H x 35-7/16"W x 24-13/32"D
133353	ARU24RLF	24,000	27,000	14.7	9.3	7-25/32"H x 43-5/16"W x 24-13/32"D

**Compact Cassette Indoor Heat Pump**

- 2-Stage Turbo Fan
- Condensate Pump
- High Ceiling Mode
- Remote Temperature Sensor
- Auto Changeover
- Auto Restart/Reset
- Quiet Mode
- Auto Louver: Up/ Down
- Dry Mode
- Sleep Timer



Required compact cassette grille UTG-CCGF sold separately

Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions
167719	AUU7RLF	7,000	8,100	--	--	9-11/16"H x 22-7/16"W x 22-7/16"D
133346	AUU9RLF	9,000	10,200	17.0	9.8	9-11/16"H x 22-7/16"W x 22-7/16"D
133347	AUU12RLF	12,000	13,500	17.0	9.8	9-11/16"H x 22-7/16"W x 22-7/16"D
133348	AUU18RLF	18,000	20,000	17.0	9.8	9-11/16"H x 22-7/16"W x 22-7/16"D

**Multi Zone Mini-Split Systems**

**Floor-Mounted Indoor Heat Pump**

- *Wireless Remote Control*
- *Apple Catechin Filter*
- *Ion Deodorizing Filter*
- *Sleep Timer*
- *24-Hour Timer*
- *Auto Louver: Up/Down*
- *Auto Mode*
- *Minimum Heat Mode*
- *Economy Mode*
- *Auto Restart/Reset*
- *Auto Changeover*
- *Powerful Mode*



Part#	Mfg#	Nom Cool	Nom Heat	SEER	HSPF	Dimensions
163993	AGU9RLF	9,000	12,000	26.0	12.6	23-5/8"H x 29-1/8"W x 7-7/8"D
163998	AGU12RLF	12,000	16,000	22.7	11.6	23-5/8"H x 29-1/8"W x 7-7/8"D
164004	AGU15RLF	14,200	18,000	20.3	11.2	23-5/8"H x 29-1/8"W x 7-7/8"D

**Single Zone Mini-Split Systems**

**Single Zone Wall-Mounted Type Mini-Split Systems**

**RL2 Wall-Mounted Mini-Split System**

- 115V
- Up to 16 SEER
- Inverter technology
- Quiet operation
- Wireless remote controller
- Washable panel filter
- Smart system: auto mode
- Humidity control



Indoor Unit: ASU\*RL2  
Outdoor Unit: AOU\*RL2

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
154248	9RL2	9,000	12,000	9.0	16	10.8	ASU9RL2 In, AOU9RL2 Out	
154249	12RL2	12,000	14,000	9.0	16	10	ASU12RL2 In, AOU12RL2 Out	

**RLS3Y Wall-Mounted High-SEER Mini Split System**

- 208/230V
- Up to 33 SEER
- Energy saving program (ESP)
- Programmable remote
- Powerful heating
- World class performance
- Quiet operation
- Inverter technology
- Wi-Fi compatible



Indoor Unit: ASU\*RLS3Y  
Outdoor Unit: AOU\*RLS3

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
231324	9RLS3Y	9,000	12,000	14.2	33.0	18.0	ASU9RLS3Y In, AOU9RLS3 Out	
230103	12RLS3Y	12,000	16,000	14.0	29.3	15.2	ASU12RLS3Y In, AOU12RLS3 Out	
230102	15RLS3Y	14,500	18,000	13.4	25.3	13.9	ASU15RLS3Y In, AOU15RLS3 Out	

**Single Zone Mini-Split Systems**

**RLS3H Wall-Mounted High-Heat Mini Split System**

- 208/230V
- Up to 33 SEER
- Powerful heating down to -15°F outdoor temperatures
- Base freeze prevention
- Energy saving program (ESP)
- Programmable remote
- World class performance
- Quiet operation
- Inverter technology
- Wi-Fi compatible



Indoor Unit: ASU\*RLS3Y  
Outdoor Unit: AOU\*RLS3H

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
231325	9RLS3YH	9,000	12,000	14.0	33.0	18.0	ASU9RLS3Y In, AOU9RLS3H Out	
230101	12RLS3YH	12,000	16,000	13.8	29.3	15.2	ASU12RLS3Y In, AOU12RLS3H Out	
230100	15RLS3YH	14,500	18,000	13.3	25.3	13.9	ASU15RLS3Y In, AOU15RLS3H Out	

**RLFW1 Wall-Mounted HFI Mini Split System**

- 208/230V
- Up to 23 SEER
- Inverter technology
- ENERGY STAR® qualified
- Clean air
- Quiet operation
- Wireless remote controller
- Washable panel filter
- Smart system: auto mode
- Humidity control



Indoor Unit: ASU\*RLF1  
Outdoor Unit: AOU\*RLFW1

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
163988	9RLFW1	9,000	12,000	11.0	23.0	13.8	ASU9RLF1 In, AOU9RLFW1 Out	
163992	12RLFW1	12,000	16,000	11.0	22.0	12.5	ASU12RLF1 In, AOU12RLFW1 Out	

**Single Zone Mini-Split Systems**

**RLXFW1 Wall-Mounted High SEER Mini Split System**

- 208/230V
- Up to 20 SEER
- Inverter technology
- ENERGY STAR® qualified
- Clean air
- Quiet operation
- Wireless remote controller
- Washable panel filter
- Smart system: auto mode
- Humidity control



**Indoor Unit: ASU\*RLF**  
**Outdoor Unit: AOU\*RLXFW1**

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
230099	18RLXFW1	18,000	21,600	10.4	20.0	13.3	ASU18RLF In, AOU18RLXFW1 Out	
224795	24RLXFW1	22,000	25,200	10.6	19.5	12.5	ASU24RLF In, AOU24RLXFW1 Out	

**RLXFWH Wall-Mounted High-Heat Mini Split System**

- 208/230V
- Up to 20 SEER
- Inverter technology
- ENERGY STAR® qualified
- Clean air
- Quiet operation
- Wireless remote controller
- Washable panel filter
- Smart system: auto mode
- Humidity control



**Indoor Unit: ASU\*RLF**  
**Outdoor Unit: AOU\*RLXFWH**

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
222876	18RLXFWH	18,000	21,600	10.4	20.0	13.3	ASU18RLF In, AOU18RLXFWH Out	
222879	24RLXFWH	22,000	25,200	10.5	19.5	12.5	ASU24RLF In, AOU24RLXFWH Out	



**Single Zone Mini-Split Systems**

**RLXEH Wall-Mounted High-Heat Mini Split System**

- 208/230V
- Up to 18.7 SEER
- Powerful heating down to -15°F outdoor temperatures
- Base freeze prevention
- Energy saving program (ESP)
- Programmable remote
- World class performance
- Quiet operation
- Inverter technology



**Indoor Unit: ASU30RLE**  
**Outdoor Unit: AOU30RLXEH**

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
223027	30RLXEH	30,000	32,000	11.7	18.7	12.5	ASU30RLE In, AOU30RLXEH Out	

**RLB/RLXB Wall-Mounted Mini Split System**

- 208/230V
- Up to 19 SEER
- Inverter technology
- System 18RLB is ENERGY STAR® qualified
- Clean air
- Quiet operation
- Wireless remote controller
- Washable panel filter
- Smart system: auto mode
- Humidity control



**Indoor Unit: ASU\*RL(X)B**  
**Outdoor Unit: AOU\*RL(X)B**

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
172857	18RLB	18,000	18,000	10.6	19.0	12.5	ASU18RLB In, AOU18RLB Out	
172860	24RLB	24,000	24,000	10.6	18.0	10.0	ASU24RLB In, AOU24RLB Out	
172863	30RLXB	30,000	30,000	9.0	16.5	9.5	ASU30RLXB In, AOU30RLXB Out	
172866	36RLXB	33,000	34,000	9.0	15.5	8.5	ASU36RLXB In, AOU36RLXB Out	

**Single Zone Mini-Split Systems**

**Single Zone Floor/Ceiling Mount Type Multi-Split Systems**

**RULX Universal Floor/Ceiling-Mounted Mini Split System**

- 208/230V
- Up to 16 SEER
- Can be mounted low on the wall or transverse mount the ceiling
- Inverter technology
- Wired remote controller UTY-RNBYU (optional)
- 4-Way auto louver for balanced comfort
- Smart system: auto mode
- Humidity control
- Fresh air intake

Indoor Unit: ABU\*RULX  
Outdoor Unit: AOU\*RLX



Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
185923	18RULX	17,800	21,500	8.5	16.0	10.9	ABU18RULX In, AOU18RLX Out	
100489	24RULX	22,200	24,000	8.5	15.0	9.9	ABU24RULX In, AOU24RLX Out	

**RSLX Ceiling-Mount Mini Split System**

- 208/230V
- Up to 14 SEER
- Inverter technology
- 4-Way auto louver for balanced comfort
- Smart system: auto mode
- Humidity control
- Fresh air intake
- Wired remote controller UTY-RNBYU (optional)

Indoor Unit: ABU36RSLX  
Outdoor Unit: AOU36RLX



Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
132106	36RSLX	34,100	36,500	8.5	14.0	8.1	ABU36RSLX In, AOU36RLX	

**RLFF Floor-Mounted Mini Split System**

- 208/230V
- Up to 26 SEER
- Compact size
- Energy efficient
- 2-Fan and wide airflow
- High performance heating
- Flexible and easy installation

Indoor Unit: AGU\*RLF  
Outdoor Unit: AOU\*RLFF



Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
163996	9RLFF	9,000	12,000	12.6	26.0	16.0	AGU9RLF In, AOU9RLFF Out	
164002	12RLFF	12,000	16,000	11.6	22.7	13.1	AGU12RLF In, AOU12RLFF Out	

**Single Zone Mini-Split Systems**

**Single Zone Floor/Ceiling Mount Type Multi-Split Systems (Continued)**

**RLFF Floor-Mounted Mini Split System**

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
164007	15RLFF	14,200	18,000	11.2	20.3	12.5	AGU15RLF In, AOU15RLFF Out	

**RLFFH Floor-Mounted Mini Split System**

- 208/230V
- Up to 26 SEER
- Compact size
- Energy efficient
- 2-Fan and wide airflow
- High performance heating
- Flexible and easy installation



Indoor Unit: AGU\*RLF  
Outdoor Unit: AOU\*RLFFH

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
163997	9RLFFH	9,000	12,000	12.4	26.0	16.0	AGU9RLF In, AOU9RLFFH Out	
164003	12RLFFH	12,000	16,000	11.3	22.7	13.1	AGU12RLF In, AOU15RLFFH Out	
164008	15RLFFH	14,200	18,000	11.0	20.3	12.5	AGU15RLF In, AOU15RLFFH Out	

**Single Zone Slim Duct Multi-Split Systems**

**RLFCD Slim Duct Mini Split System**

- 208/230V
- Up to 21.5 SEER
- Inverter technology
- 4-Way auto louver for balanced comfort
- Smart system: auto mode
- Humidity control
- Fresh air intake
- Wired remote controller UTY-RNBYU (optional)



Indoor Unit: ARU\*RLF  
Outdoor Unit: AOU\*RLFC

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
154772	9RLFCD	9,000	12,000	12.2	21.5	14.5	ARU9RLF In, AOU9RLFC Out	
154773	12RLFCD	12,000	16,000	11.5	20.0	12.8	ARU12RLF In, AOU12RLFC Out	
154774	18RLFCD	18,000	21,600	11.3	19.7	12.0	ARU18RLF In, AOU18RLFC Out	

**Single Zone Mini-Split Systems**

**Single Zone Cassette Multi-Split Systems**

**RLFCC Compact Cassette Mini Split System**

- 208/230V
- Up to 24 SEER
- Inverter technology
- High performance heating
- Cassette model fits into standard ceiling tile
- 2-Stage turbo fan
- Quiet operation
- Wired remote controller
- Smart system: auto mode
- Humidity control
- Fresh air intake



**Indoor Unit: AUU\*RLFCC**  
**Outdoor Unit: AOU\*RLFC**

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
158386	9RLFCC	9,000	12,000	13.0	24.0	14.5	AUU9RLF In, AOU9RLF Out	
158384	12RLFCC	12,000	16,000	12.2	21.9	12.8	AUU12RLF In, AOU12RLF Out	
158383	18RLFCC	18,000	21,600	11.5	20.1	11.2	AUU18RLF In, AOU18RLF Out	

**RCLX Cassette Mini Split System**

- 208/230V
- Up to 16 SEER
- Inverter technology
- Swing louvers
- 4-Way airflow system
- Simple maintenance
- Wired remote controller
- Energy saver
- Smart system: auto mode
- Humidity control
- Fresh air intake



**Indoor Unit: AUU\*RCLX**  
**Outdoor Unit: AOU\*RCLX**

Part #	Mfg #	Nom Cool	Nom Heat	HSPF	SEER	EER	Components	Price
103324	18RCLX	17,800	21,000	8.5	16.0	11.1	AUU18RCLX In, AOU18RCLX Out	
103323	24RCLX	22,200	24,200	8.5	15.0	10.6	AUU24RCLX In, AOU24RCLX Out	
111989	36RCLX	34,100	36,000	8.5	14.0	8.1	AUU36RCLX In, AOU36RCLX Out	
106078	42RCLX	42,700	45,200	8.5	15.0	9.2	AUU42RCLX In, AOU42RCLX Out	

## Packaged Terminal Air Conditioners

### Packaged Terminal Air Conditioners

- Quiet operation
- High energy efficiency
- Digital control display
- Gold Fin™ anti-corrosion
- Auto restart
- Energy saver mode
- Front desk control
- Freeze room protection
- Dip switch setting for temperature limiting
- Temperature display on unit
- Fresh air ventilation, 70 CFM at 0.3 ESP with open damper door
- Dimensions: 16"H x 42"W x 19-7/8"D
- 5-Year parts and labor warranty on sealed refrigerant system
- 1-Year full system warranty on parts and labor, 5-year parts warranty



#### R-410A Heat/Cool PTAC

Part #	Mfg #	Cooling Capacity BTUH	EER	Electric Heater (kW)	Air Circulation CFM, H/L	Dehumid (Pts/Hr)	Max Overcurrent Protection	Ship Wt	Price
141205	LP093CD3A	9,000/8,800	11.0	3.5/3.1	335/300	2.6	20	86.6 lbs	
141206	LP123CD3A	11,800/11,600	10.5	3.5/3.1	390/355	3.3	20	97.1 lbs	
141207	LP153CD3A	14,300/14,100	9.2	3.5/3.1	390/355	4.4	20	118.1 lbs	
141208	LP153CD5A	14,100/14,300	9.2	4.6/5.0	388/353	4.4	30	118.1 lbs	

#### R-410A Heat Pump PTAC

Part #	Mfg #	Cooling Capacity BTUH	EER	Heating Capacity BTUH	COP	Electric Heater (kW)	Air Circulation CFM, H/L	Dehumid (Pts/Hr)	Max Overcurrent Protection	Ship Wt	Price
141210	LP093HD3A	9,000/8,800	11.0	8,100/7,900	3.2	3.5/3.1	335/300	2.6	20	101 lbs	
141212	LP123HD3A	11,800/11,600	10.6	10,800/10,600	3.2	3.5/3.1	390/355	3.3	20	101 lbs	
141213	LP153HD3A	14,700/14,500	9.4	12,100/11,900	2.6	3.5/3.1	390/355	4.4	20	109 lbs	

### PTAC Accessories

#### Drain Kit



Part #	Mfg #	Description	Price
141218	AYDR101	Drain Kit Interior/Exterior	

## Packaged Terminal Air Conditioners



AYRGALA01

### Grille



AYAGALA01A

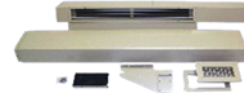
Part #	Mfg #	Description	Price
141217	AYRGALA01	42" Large Stamp Grille	
144096	AYAGALA01A	42" Aluminum Architectural Grille	

### Sleeve



Part #	Mfg #	Description	Price
141216	AYSVB01A	42" Large Wall Sleeve	

### PTAC Accessory Kit



Part #	Mfg #	Description	Price
145162	AYLD1A	Lateral Duct Kit	

## Packaged Terminal Air Conditioners

### PTAC Units

- Features:
  - Enhanced dehumidification to lengthen cooling cycles
  - Low temperature protection
  - Continuous fan operation or fan cycling governed by thermostat
  - Condensate dispersion
  - Filtered ventilation
  - Clearly labeled digital controls
  - Electronic temperature limiter with (4) pre-programmed temperature ranges
  - Random restart
- Units come with "Smart Controls" to add optional front desk control and remote thermostats
- 5-Year warranty on compressor, 1-year warranty on parts



### Heat Pump with Electric Heat - R-410A

Part #	Mfg #	Voltage	BTUH	Heat	Price
133113	EKTH09-1G3KW	208/230V	9,000	3kW	
133108	EKTH12-1G	208/230V	12,000	No Heat	
133116	EKTH12-1G5KW	208/230V	12,000	5kW	
133109	EKTH15-1G	208/230V	15,000	No Heat	
133119	EKTH15-1G5KW	208/230V	15,000	5kW	

### PTAC Accessories

Part #	Mfg #	Description	Price
133092	7602-501	42" Stamped Grille	
133090	7602-530A-230	5kW 30A 265V Power Cord for EKTC12-2G, EKTH12-2G, EKTC15-2G & EKTH15-2G	





## Roof Top Units

### Commercial Series™ Package Gas/Electric Units

#### R-410A High Efficiency Commercial Series™ Package Gas/Electric 3 to 5 Ton

- Scroll compressors with internal line break overload and high pressure protection
- Single stage compressor
- Convertible airflow
- TXV Refrigerant metering system on each circuit
- High pressure and low pressure/loss of charge protection
- Solid core liquid line filter-drier on each circuit
- Single slab, single pass designed evaporator and condenser coils
- Cooling operation up to 125°F ambient
- Foil faced insulation encapsulated throughout entire unit
- Cabinet features a durable powder-paint finish, steel coated on each side
- One-piece top cover and one-piece base pan with drawn supply and return opening for superior water management
- Externally mounted refrigerant gauge ports
- Forkable base rails
- Single point electrical and gas connections
- 1" Filter standard with slide out design, will accept 2" filter
- 1-Stage gas valve, direct spark ignition, and induced draft
- Tubular heat exchanger
- Solid state furnace control with on-board diagnostics
- Colored and labeled wiring
- Copper tube/aluminum fin indoor coil
- Direct drive or high performance belt drive motor with variable pitch pulleys and quick adjust belt system
- Energy Star® rated
- Drive package:
  - RKNL-XXXXXXK: Direct drive
  - RKNL-XXXXXXL: Belt drive
- 5-Year limited compressor warranty (commercial)
- 10-Year warranty on factory standard heat exchanger (commercial)
- 1-Year limited parts warranty (commercial)
- 20-Year warranty on stainless steel heat exchanger (commercial)



Part #	Mfg #	Tons	Gross Cooling BTUH	Heating Input BTUH	Electrical	Unit Dimensions H x W x D	Ship Wt	Price
239336	RKPN-A036CK12EAJA	3.0	36,800	120,000	208/230-1-60	35" x 75-17/32" x 46-1/2"	550 lbs	
174992	RKPN-A036JK08E	3.0	36,200	80,000	208/230-1-60	35" x 75-17/32" x 46-1/2"	516 lbs	
174995	RKPN-A036JK08EAJA	3.0	36,800	80,000	208/230-1-60	35" x 75-17/32" x 46-1/2"	550 lbs	
228850	RKPN-A036CK08EAJA	3.0	36,200	80,000	208/230-3-60	35" x 75-17/32" x 46-1/2"	516 lbs	
174996	RKPN-A048JK10EAJA	4.0	50,500	100,000	208/230-1-60	35" x 75-17/32" x 46-1/2"	587 lbs	
228851	RKPN-A048CK10EAJA	4.0	48,000	100,000	208/230-3-60	35" x 75-17/32" x 46-1/2"	545 lbs	
163392	RKPN-A060JK13E-AH F	4.0	59,000	135,000	208/230-3-60	35" x 75-17/32" x 46-1/2"	562 lbs	
228852	RKPN-A060CK13EAJA	5.0	60,000	135,000	208/230-3-60	35" x 75-17/32" x 46-1/2"	562 lbs	
174997	RKPN-A060JK13EAJA	5.0	61,500	135,000	208/230-1-60	35" x 75-17/32" x 46-1/2"	604 lbs	
228853	RKPN-A060DL13EAJA	5.0	60,000	135,000	460-3-60	35" x 75-17/32" x 46-1/2"	576 lbs	
162121	RKNN-A036CK08EAJA	3.0	36,600	80,000	208/230-3-60	35" x 75-17/32" x 46-1/2"	550 lbs	



## Roof Top Units

### Commercial Series™ Package Gas/Electric Units (Continued) R-410A High Efficiency Commercial Series™ Package Gas/Electric 3 to 5 Ton

Part #	Mfg #	Tons	Gross Cooling BTUH	Heating Input BTUH	Electrical	Unit Dimensions H x W x D	Ship Wt	Price
162127	RKNN-A048CK10EAJA	4.0	50,500	100,000	208/230-3-60	35" x 75-17/32" x 46-1/2"	587 lbs	
162131	RKNN-A060CK10E	5.0	61,500	100,000	208/230-3-60	35" x 75-17/32" x 46-1/2"	597 lbs	
162133	RKNN-A060CK13EAJA	5.0	61,500	135,000	208/230-3-60	35" x 75-17/32" x 46-1/2"	604 lbs	
162136	RKNN-A060DL13EAJA	5.0	61,500	135,000	460-3-60	35" x 75-17/32" x 46-1/2"	604 lbs	
116742	RKNN-A048JK13E	4.0	50,500	135,000	208/230-1-60	35" x 75-17/32" x 46-1/2"	592 lbs	



## Roof Top Units

### 13 SEER R-410A High Efficiency Commercial Series™ Package Gas/Electric Rooftop - RKNL-B 6 to 12.5 Ton

- Scroll compressors with internal line break overload and high pressure protection
- Single stage compressor on 6 ton models, dual stage compressor on 7.5 to 12.5 models
- Convertible airflow
- TXV Refrigerant metering system on each circuit except 6 ton model
- High pressure and low pressure/loss of charge protection
- Solid core liquid line filter-drier on each circuit
- Single slab, single pass designed evaporator and condenser coils
- Cooling operation up to 125°F ambient
- Foil faced insulation encapsulated throughout entire unit
- Cabinet features a durable powder-paint finish, steel coated on each side
- Slide out indoor fan assembly
- One-piece top cover and one-piece base pan with drawn supply and return opening for superior water management
- Forkable base rails
- Single point electrical and gas connections
- Internally sloped slide out condensate pan conforms to ASHRAE 62 standard
- 2" Filter standard with slide out design
- 2-Stage gas valve, direct spark ignition, and induced draft
- Tubular heat exchanger
- Solid state furnace control with on-board diagnostics
- Colored and labeled wiring
- Copper tube/aluminum fin indoor coil (12-1/2 ton uses Micro-Channel condenser)
- High performance belt drive motor with variable pitch pulleys and quick adjust belt system
- Electronic ignition
- Energy Star® rated
- Drive package:
  - RKNL-XXXXXL: Belt drive
  - RKNL-XXXXXM: Belt drive high static
- 5-Year limited compressor warranty (commercial)
- 10-Year on factory standard heat exchanger (commercial)
- 1-Year limited parts warranty (commercial)
- 1-Year limited on condenser coil and evaporator coil leaks caused by factory defects (commercial)



Part #	Mfg #	Tons	Gross Cooling BTUH	Heating Input BTUH	Electrical	Unit Dimensions H x W x D	Ship Wt	Price
167072	RKNL-B090CL15E	7.5	93,000	150,000	208/230-3-60	40-3/16" x 93-11/16" x 58-3/4"	1,054 lbs	
158370	RKNL-B090CM15EAJA	7.5	93,000	150,000	208/230-3-60	40-3/16" x 93-11/16" x 58-3/4"	1,054 lbs	
159031	RKNL-B090DL15EAJA	7.5	93,000	150,000	460-3-60	40-3/16" x 93-11/16" x 58-3/4"	1,062 lbs	
158371	RKNL-B090CM22EAJA	7.5	93,000	225,000	208/230-3-60	40-3/16" x 93-11/16" x 58-3/4"	1,090 lbs	
158372	RKNL-B120CL22EAJA	8.5	101,000	225,000	208/230-3-60	40-3/16" x 93-11/16" x 58-3/4"	1,132 lbs	
159033	RKNL-B151DL25EAJA	12.5	146,000	252,000	460-3-60	40-3/16" x 93-11/16" x 58-3/4"	1,267 lbs	



## Roof Top Units

### 13 SEER R-410A High Efficiency Commercial Series™ Package Gas/Electric Rooftop - RKNL-B 6 to 12.5 Ton Economizer

- Scroll compressors with internal line break overload and high pressure protection
- Single stage compressor on 6 ton models, dual stage compressor on 7.5 to 12.5 models
- Convertible airflow
- TXV Refrigerant metering system on each circuit except 6 ton model
- High pressure and low pressure/loss of charge protection
- Solid core liquid line filter-drier on each circuit
- Single slab, single pass designed evaporator and condenser coils
- Cooling operation up to 125°F ambient
- Foil faced insulation encapsulated throughout entire unit
- Cabinet features a durable powder-paint finish, steel coated on each side
- Slide out indoor fan assembly
- One-piece top cover and one-piece base pan with drawn supply and return opening for superior water management
- Forkable base rails
- Single point electrical and gas connections
- Internally sloped slide out condensate pan conforms to ASHRAE 62 standard
- 2" Filter standard with slide out design
- 2-Stage gas valve, direct spark ignition, and induced draft
- Tubular heat exchanger
- Solid state furnace control with on-board diagnostics
- Colored and labeled wiring
- Copper tube/aluminum fin indoor coil (12-1/2 ton uses Micro-Channel condenser)
- High performance belt drive motor with variable pitch pulleys and quick adjust belt system
- Electronic ignition
- Energy Star® rated
- JBA - Factory installed stainless steel heat exchanger and service disconnect
- Drive package:
  - RKNL-XXXXXL: Belt drive
  - RKNL-XXXXXM: Belt drive high static
  - RKNL-XXXXXN: Belt drive high static (B090 Only)
- 5-Year limited compressor warranty (commercial)
- 10-Year warranty on factory standard heat exchanger (commercial)
- 1-Year limited parts warranty (commercial)
- 1-Year limited warranty on condenser coil and evaporator coil leaks caused by factory defects (commercial)



Part #	Mfg #	Tons	Gross Cooling BTUH	Heating Input BTUH	Electrical	Unit Dimensions H x W x D	Ship Wt	Price
147988	RKNL-B090CM22EJBA	7.5	93,000	225,000	208/230-3-60	44" x 93-11/16" x 58-3/4"	1,090 lbs	



## Roof Top Units

### 13 SEER R-410A High Efficiency Commercial Series™ Package Gas/Electric Rooftop - RKNL-B 6 to 12.5 Ton Economizer with Clear Control™ and HumidiDry™ Technology

- Scroll compressors with internal line break overload and high pressure protection
- Single stage compressor on 6 ton models, dual stage compressor on 7.5 to 12.5 models
- Convertible airflow
- TXV Refrigerant metering system on each circuit except 6 ton model
- High pressure and low pressure/loss of charge protection
- Solid core liquid line filter-drier on each circuit
- Single slab, single pass designed evaporator and condenser coils
- Cooling operation up to 125°F ambient
- Foil faced insulation encapsulated throughout entire unit
- Cabinet features a durable powder-paint finish, steel coated on each side
- Slide out indoor fan assembly
- One-piece top cover and one-piece base pan with drawn supply and return opening for superior water management
- Forkable base rails
- Single point electrical and gas connections
- Internally sloped slide out condensate pan conforms to ASHRAE 62 standard
- 2" Filter standard with slide out design
- 2-Stage gas valve, direct spark ignition, and induced draft
- Tubular heat exchanger
- Solid state furnace control with on-board diagnostics
- Colored and labeled wiring
- Copper tube/aluminum fin indoor coil (12-1/2 ton uses Micro-Channel condenser)
- High performance belt drive motor with variable pitch pulleys and quick adjust belt system
- Electronic ignition
- Factory installed ClearControl™, a Direct Digital Control (DDC) and sensors which can connect to LonWorks™ or BACnet® BAS systems for remote monitoring and control.
- Variable frequency drive (VFD) belt drive high static
- HumidiDry™ dehumidification system
- Energy Star® rated
- Factory installed hail guard, heat exchanger, service disconnect, and comfort alert with DDC single enthalpy economizer
- 5-Year limited compressor warranty (commercial)
- 10-Year warranty on factory standard heat exchanger (commercial)
- 1-Year limited parts warranty (commercial)
- 1-Year limited warranty on condenser coil and evaporator coil leaks caused by factory defects (commercial)



Part #	Mfg #	Gross		Heating Input BTUH	Electrical	Unit Dimensions H x W x D	Ship Wt	Price
		Tons	Cooling BTUH					
150303	RKNL-G090CT22EDPH	7.5	93,000	225,000	208/230-3-60	44" x 93-11/16" x 58-3/4"	1,137 lbs	



## Roof Top Units

### 11.2 SEER R-410A Standard Efficiency Commercial Series™ Package Gas/Electric Rooftop - RKKL-B 7.5 to 12.5 Ton

- Scroll compressors with internal line break overload and high pressure protection
- 1-Stage compressor on 7.5 and 10 ton models, 2-Stage compressor on 12.5 ton model
- Convertible airflow
- Fixed restriction refrigerant flow control on 7.5 and 10 ton models, TXV on 12.5 ton model
- High pressure and low pressure/loss of charge protection
- Solid core liquid line filter-drier on each circuit
- Single slab, single pass designed evaporator and condenser coils
- Cooling operation up to 125°F ambient
- Foil faced insulation encapsulated throughout entire unit
- Cabinet features a durable powder-paint finish, steel coated on each side
- One-piece top cover indoor section and one-piece base pan
- Forkable base rails
- Single point electrical and gas connections
- 2" Filter standard with slide out design
- 2-Stage gas valve, direct spark ignition, and induced draft
- Tubular heat exchanger
- Solid state furnace control with on-board diagnostics
- Colored and labeled wiring
- Copper tube/aluminum fin indoor coil
- Aluminum Micro-Channel outdoor coil(s)
- High performance belt drive motor with variable pitch pulleys and quick adjust belt system
- Electronic ignition
- Drive package:
  - RKKL-XXXXXL: Belt drive
- 5-Year limited compressor warranty (commercial)
- 10-Year warranty on factory standard heat exchanger (commercial)
- 1-Year limited parts warranty (commercial)
- 1-Year limited warranty on condenser coil and evaporator coil leaks caused by factory defects (commercial)



Part #	Mfg #	Tons	Gross Cooling BTUH	Heating Input BTUH	Electrical	Unit Dimensions H x W x D	Ship Wt	Price
136399	RKKL-B090CL15E	7.5	87,000	150,000	208/230-3-60	44" x 93-11/16" x 58-3/4"	919 lbs	
142306	RKKL-B090CL22E	7.5	87,000	225,000	208/230-3-60	44" x 93-11/16" x 58-3/4"	955 lbs	
140163	RKKL-B120CL22E	10.0	123,000	225,000	208/230-3-60	44" x 93-11/16" x 58-3/4"	1,057 lbs	
140164	RKKL-B151CL25E	12.5	156,000	252,000	208/230-3-60	44" x 93-11/16" x 58-3/4"	1,303 lbs	
167075	RKKL-B151DL25E	12.5	156,000	252,000	460-3-60	44" x 93-11/16" x 58-3/4"	1,303 lbs	

### Parts & Accessories

Part #	Mfg #		Price
245921	RXKG-DDD14	14" Curb	
245922	RXR-DCAE	Roof Curb Adapter	

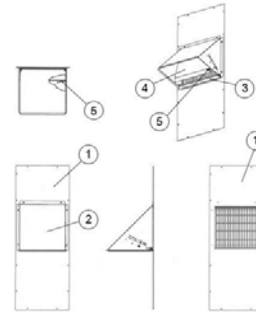




## Roof Top Units

### Manual Rooftop Fresh Air Damper

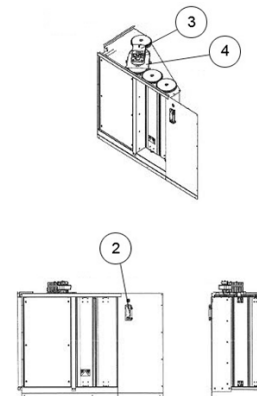
- 25% Manual
- Includes parts:
  - Outside air panel (1)
  - Manual hood (2)
  - Base support (3)
  - Relief blade (4)
  - Latch (5)
  - Gasket
  - Hardware bag



Part #	Mfg #	Description	Price
245920	RXRF-ADA1	Manual Rooftop Fresh Air Damper	

### MicroMetl Modulating Economizer Assembly

- Fully modulating with single enthalpy
- Includes parts:
  - Sensor-Temperature & humidity (2)
  - Actuator (3)
  - Actuator mount (4)
  - Drive pin, 1/2" x 3/8" x 4-1/4"
  - Hood hardware bag
  - Left hood side
  - Right hood side
  - Hood divider
  - Relief damper assembly
  - Front support bracket
  - Two filters
  - Wiring harness



Part #	Mfg #	Description	Price
245919	RXRD-01MDHAM	7.5-12.5T Modulating Economizer	

### Outdoor Coil Louver

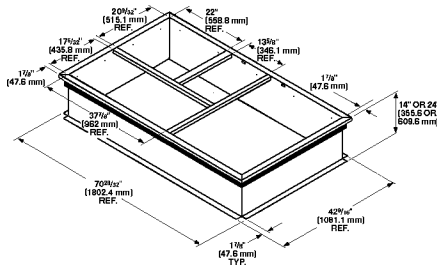
- Includes parts:
  - Sixteen screws
  - Granite/steel gray tall cabinet
  - Two Louver panels (43.193W x 55.284H)

Part #	Mfg #	Description	Price
245923	RXRX-ADD04	Outdoor Coil Louver	

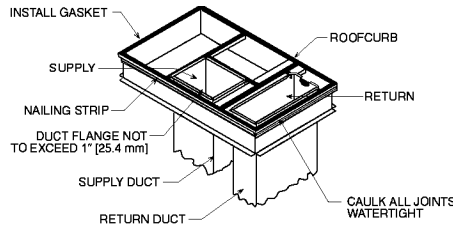


## Roof Top Units

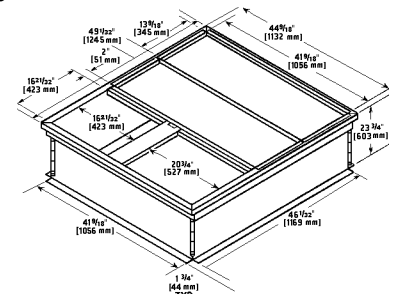
### Roof Top Unit Accessories RXKG/RXRG/RXRK/RXSG/RXRX - Roof Curb



RXKG-CAD14/24



RXKG-CAE14/24



RXSG-AAA2

Part #	Mfg #	Description	Price
036937	RXKG-CAD14	14" 3.0-25.0 Ton	
039546	RXKG-CAE14	14"	
025599	RXSG-AAA14	14" 1.5-4 Ton Pkg Units	

### RXRD/RXRE/RXRQ/RXRR - Economizer

Part #	Mfg #	Description	Price
036606	RXRD-CAM10	Fully Modulating Economizer (Downflow Only)	
079102	RXRD-NDCM3	7.5 - 15 Ton Horizontal Economizer	
127255	RXRD-PDCM3	RSI Vertical	

### RXRX - Roof Curb Adapter

Part #	Mfg #	Description	Price
080466	RXRX-BBCDB21	For 3-6 Ton Commercial Units	
035021	RXRX-BBCDB23	For 3-6 Ton Commercial Units	

### Economizer

Part #	Mfg #	Description	Price
149610	AXRD-MECM3	Downflow/Horizontal Economizer with Single Enthalpy	
149611	AXRD-NDCM3	Economizer with Single Enthalpy	
149613	AXRD-PDCM3	Downflow Economizer with Single Enthalpy	
149614	AXRD-RDCM3	Horizontal Economizer with Single Enthalpy	
164772	AXRD-01RECAM	Downflow/Horizontal Economizer with Single Enthalpy	
147992	AXRD-SDCM3	Downflow Economizer with Single Enthalpy and Smoke Detector	
177450	AXRD-01RDDBM	Downflow 6-12.5T Economizer with Eco Smoke Detector, Gray 3	
172043	AXRD-01RDDAM	Downflow Economizer with Single Enthalpy, Gray 3	
165873	AXRF-JDA1	Fresh Air Damper, Manual	
149628	AXRF-FBA1	Fresh Air Damper, Manual 17"Lx17"Wx21"H	

### Louver Panel Kits

Part #	Mfg #	Description	Price
147993	AXRX-AAD01C	For 6-12.5 Ton Package Units, Gray	



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## Roof Top Units

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### Roof Top Unit Accessories (Continued)

#### Louver Panel Kits

Part #	Mfg #	Description	Price
149483	AXRX-AAD01B	For 6-12.5 Ton Package Units, Green	

**VRF Equipment**

**Mini-Split VRF Air Conditioner Systems**

- All systems use R-410A refrigerant
- 6-Year compressor warranty
- 2-Year parts warranty



**Airstage™ Outdoor Air Unit**

- Top class lightweight compact design
- Flexible duct design using a DC motor
- Provides air condition and ventilation air at the same time
- Various controllers—individual & central controllers



Part #	Mfg #	Nom Cool BTUH	Nom Heating BTUH	Electrical	Dimensions	Price
240707	AAUA72TLAV	72,000	47,000	208/230-1-60	16-3/4" x 53-13/16" x 22-1/2"	

**21.7 IEER AIRSTAGE® V-II Series Commercial Multi Air Conditioning System**

- Allow control of the air conditioning in each room individually
- Round corner type high density multi-path heat exchanger
- Sine wave DC inverter control
- Centralized remote control system



Part #	Mfg #	Nom Cool BTUH	Nom Heating BTUH	Electrical	Dimensions	Price
147753	AOUA72RLBV	72,000	81,000	208/230-3-60	66.54"H x 36.61"W x 30.12"D	
147755	AOUA96RLBV	96,000	108,000	208/230-3-60	66.54"H x 36.61"W x 30.12"D	
167174	AOUA72TLBV	72,000	81,000	208/230-3-60	66.54"H x 36.61"W x 30.12"D	
167176	AOUA96TLBV	96,000	108,000	208/230-3-60	66.54"H x 36.61"W x 30.12"D	
173046	AOUA120TLBV	120,000	135,000	208/230-3-60	66.54"H x 48.82"W x 30.12"D	

**Vertical Air Handler**

- Selectable capacities from 1 to 5 tons
- Broad static pressure range for a wide range of applications
- Durable power-coated thick steel gauge cabinet
- Acoustical and thermal insulation is upgraded from 1/2" to 1" thick to reduce heat loss
- Equipped with standard MERV 3 filter
- Easily retrofitted into existing installations



Part #	Mfg #	Nom Cool BTUH	Nom Heating BTUH	Electrical	Dimensions	Price
185656	ARUV12TLAV	12,000	13,500	208/230-3-60	51"Hx17-11/16"Wx23-13/16"D	
185658	ARUV18TLAV	18,000	20,000	208/230-3-60	51"Hx17-11/16"Wx23-13/16"D	
185659	ARUV24TLAV	24,000	27,000	208/230-3-60	51"Hx17-11/16"Wx23-13/16"D	
185660	ARUV30TLAV	30,000	24,000	208/230-3-60	51"Hx22-3/16"Wx23-13/16"D	

**VRF Equipment**

**Indoor Slim Duct Air Handler Unit**



Part #	Mfg #	Nom Cool BTUH	Type	Price
147768	ARUL7RLAV	7,000	Slim Duct, Heat Pump	
147769	ARUL9RLAV	9,000	Slim Duct, Heat Pump	
147770	ARUL12RLAV	12,000	Slim Duct, Heat Pump	
147772	ARUL18RLAV	18,000	Slim Duct, Heat Pump	
147773	ARUL24RLAV	24,000	Slim Duct, Heat Pump	
173049	ARUL18TLAV	18,000	Slim Duct, Heat Recovery	

**Duct Air Handler Unit**

- Slim and compact design
- Easy maintenance
- Easy installation
- Two-direction drain piping



Part #	Mfg #	Nom Cool BTUH	Type	Price
147774	ARUM30RLAV	30,000	Duct, Heat Pump	
173071	ARUM24TLAV	24,000	Duct, Heat Recovery	
173050	ARUM30TLAV	30,000	Duct, Heat Recovery	
173051	ARUM36TLAV	36,000	Duct, Heat Recovery	

**Indoor Wall-Mounted Air Handler Unit**



Part #	Mfg #	Nom Cool BTUH	Type	Price
147785	ASUA7RLAV	7,000	Compact Wall-Mounted, Heat Pump	
147786	ASUA9RLAV	9,000	Compact Wall-Mounted, Heat Pump	
147787	ASUA12RLAV	12,000	Compact Wall-Mounted, Heat Pump	
174051	ASUA9TLAV	9,000	Compact Wall-Mounted, Heat Recovery	
181051	ASUA12TLAV	12,000	Compact Wall-Mounted, Heat Recovery	
181053	ASUA14TLAV	14,000	Compact Wall-Mounted, Heat Recovery	
181054	ASUB18TLAV	18,000	Wall-Mounted, Heat Recovery	
181047	ASUB24TLAV	24,000	Wall-Mounted, Heat Recovery	
147789	ASUB18RLAV	18,000	Wall-Mounted, Heat Pump	
147790	ASUB24RLAV	24,000	Wall-Mounted, Heat Pump	

**Indoor Ceiling Cassette Air Handler Unit**



Part #	Mfg #	Nom Cool BTUH	Type	Price
147756	AUUA7RLAV	7,000	Compact Ceiling Cassette, Heat Pump	
147758	AUUA9RLAV	9,000	Compact Ceiling Cassette, Heat Pump	

**VRF Equipment**

**Mini-Split VRF Air Conditioner Systems (Continued)**

**Vertical Air Handler**

**Indoor Ceiling Cassette Air Handler Unit**

Part #	Mfg #	Nom Cool BTUH	Type	Price
147759	AUUA12RLAV	12,000	Compact Ceiling Cassette, Heat Pump	
147760	AUUA14RLAV	14,000	Compact Ceiling Cassette, Heat Pump	
147761	AUUA18RLAV	18,000	Compact Ceiling Cassette, Heat Pump	
147762	AUUA24RLAV	24,000	Compact Ceiling Cassette, Heat Pump	
173047	AUUA7TLAV	7,000	Compact Ceiling Cassette, Heat Recovery	
173048	AUUA12TLAV	12,000	Compact Ceiling Cassette, Heat Recovery	
181048	AUUA24TLAV	24,000	Compact Ceiling Cassette, Heat Recovery	
147766	AUUB30RLAV	30,000	Ceiling Cassette, Heat Pump	

**Indoor High Static Pressure Duct Air Handler Unit**



Part #	Mfg #	Nom Cool BTUH	Type	Price
173072	ARUH36TLAV	36,000	High Static Pressure Duct, Heat Recovery	
173052	ARUH48TLAV	48,000	High Static Pressure Duct, Heat Recovery	
173054	ARUH60TLAV	60,000	High Static Pressure Duct, Heat Recovery	
181055	ARUH96TLAV	96,000	High Static Pressure Duct, Heat Recovery	

**Mini-Split VRF System Remotes**

**UTY-RNKU Wired Remote Control for VRF Units**



Part #	Mfg #	Description	Price
147803	UTY-RNKU	VRF Wired Remote Control	
166394	UTY-RNRU	VRF Individual Touch Panel Controller Wired Remote	
147806	UTY-DCGY	VRF Central Remote Control	
147802	UTY-LNHU	VRF Wireless Remote Control	
181050	UTY-PLGXR1	VRF Centralized Remote Control option for UTY-ALGX Software	
147804	UTY-RSKU	VRF Simple Remote Control	

**Mini-Split VRF System Parts & Accessories**

Part #	Mfg #	Description	Price
147821	UTB-YWC VRF	IR Receiver for Duct	
133356	UTP-SX248A	Separation Tube	
147827	UTR-BP090X	VRF Indoor Separation Tube	
147826	UTR-BP180X	VRF Indoor Separation Tube	

## VRF Equipment

### Mini-Split VRF System Parts & Accessories (Continued)

Part #	Mfg #	Description	Price
147825	UTR-BP567X	VRF Indoor Separation Tube	
147828	UTR-CP567X	VRF Outdoor Separation Tube	
133349	UTG-CCGF	Compact Cassette Grille for AUU Units	
147757	UTG-CCGV	Compact Cassette Grille for Airstage V-II Units	
147763	UTG-LCGV	Cassette Grille for Airstage V-II Units	
223399	UTP-AX180A	VRF Indoor SEP Tub	
173055	UTP-BX090A	Ind Separation Tube 90 or less MBU Capacity	
173056	UTP-BX180A	Ind Separation Tube 90-180 MBU Capacity	
173057	UTP-BX567A	Ind Separation Tube 180 or more MBU Capacity	
173058	UTP-DX567A	Outdoor Unit Branch Kit	
173059	UTP-RU01AH	Refrigeration Branch Unit - Single Type 20k or Less	
173060	UTP-RU01BH	Refrigeration Branch Unit - Single Type 60k or Less	
181056	UTP-RU01CH	Refrigeration Branch Unit - Single Type 96k or Less	
173061	UTP-RU04BH	Refrigeration Branch Unit - Multi Type 191k or less	
147829	UTR-H0906L	VRF Header (6) Straight Connects	
147830	UTR-H1806L	VRF Header (6) "L" Connects	
147831	UTR-H0908L	VRF Header (8) Straight Connects	
147832	UTR-H1808L	VRF Header (8) "L" Connects	
181049	UTY-ALGX	VRF System Controller Lite Software	
147818	UTY-ABGX	VRF BACnet® Gateway Software	
147823	UTY-ASGX	VRF Service Tool (Software)	
185661	UTY-VSGXZ1	VRF Signal Amplifier	
133361	UTY-XCBXZ1	HFI Interface Kit	
147844	UTZ-PX1NBA	Drain Pump Unit (Duct Type)	
147847	UTZ-KXGC	Insulation Kit for High Humidity	
151930	UTZ-VXAA	Fresh Air Intake for Compact Cassette Type	
190428	K00500LW	500' Reel VRF Fujitsu Cable	
190429	K00250LW	250' Reel VRF Fujitsu Cable	



## Brass Sealing Caps

### Sealing Caps

#### Brass Sealing Cap - Hex Head Flare Fitting



Part #	Mfg #	Size	Qty	Price
140748	82-A04544	1/4"	50	
140749	82-A04545	3/8"	25	

#### Brass Sealing Cap - Serrated Head Flare Fitting

Part #	Mfg #	Size	Price
140746	82-A16447	1/4"	

#### Protective Cap - Brass w/o Core Removal Tool

Part #	Mfg #	Description	Price
126195	83-CD2245-6PK	Protective Cap - Brass w/o Core Removal Tool 6/Pk	



## Chemicals

### Cleaners

#### Evap Foam® Coil Cleaner

- High performance detergent with special surfactant's and alkaline cleaners, foaming
- "No rinse required" condenser coil cleaner
- Spray right side up or upside down
- For cooling or evaporator coils



Part #	Mfg #	Description	Price
139433	4171-75	18 oz Aerosol	

#### Evap Fresh® Coil Cleaner

- Ready-to-use, non-abrasive, one-step cleaner and disinfectant



Part #	Mfg #	Description	Price
199891	4166-75	18 oz Can	

#### Nu-Brite® Coil Cleaner

- Foaming coil cleaner
- Brightens as it cleans
- Safer than acids
- Biodegradable, USDA approved



4291-18



4291-08

Part #	Mfg #	Description	Price
139431	4291-18	18 oz Aerosol	
199893	4291-18	18 oz Aerosol	
139434	4291-08	1 gal	

#### Foam-Brite® Coil Cleaner

- Non-acidic, alkaline-based cleaner
- Biodegradable ingredients
- High foaming formula



Part #	Mfg #	Description	Price
199978	4178-08	1 gal	

#### Green Clean® Coil Cleaner

- Powerful environmentally friendly formula for all purpose cleaning
- Product can be used direct from bottle or diluted to match duty of the job
- Safe and non-flammable
- Green Clean is biodegradable
- Approved by the EPA Safer Choice Program
- Use it everywhere



Part #	Mfg #	Description	Price
215601	4186-08	1 gal	

#### Nu-Solve NR Coil Cleaner

- Ready-to-use, non-rinse condenser coil cleaner
- Non-foaming, detergent based formula for emulsifying grime
- Formulated where water availability for rinsing the coil is problematic or solvent based aerosols are not desired
- For situations when its desirable to have less diluted cleaner on the roof
- Plastic, metal and rubber safe



Part #	Mfg #	Description	Price
189893	4295-08	1 gal	

#### Pan-Treat

- Condensate tablets control odors can prevent overflows by plugged condensate drain lines
- Non-corrosive, non-toxic, and biodegradable
- Completely soluble in water



Part #	Mfg #	Description	Price
199892	4296-60	1 bottle (200 tablets)	

#### Nu-Blast® Coil Cleaner

- "No rinse required" condenser coil cleaner
- High pressure blast plus solvent cleaning



Part #	Mfg #	Description	Price
139432	4290-75	18 oz Aerosol	

**Chemicals**

**BlackHawk Foam Coil Cleaner**

- HVAC/R applications
- Expanding foam
- Heavy-duty formula
- Safe and problem-free in food processing areas



Part #	Mfg #	Description	Price
189894	4127-75	18 oz Can	

**Calci-Solve Cleaner**

- Removes scale and rust from:
  - A/C equipment
  - Air compressor jackets
  - Pasteurizes and tanks
  - Dish washing machines
  - Water sealed blowers
  - Refrigerator drains
  - Calendar machines
  - Blue print drains
  - Boilers
  - Air filters
  - Condensers
  - Siphon pipes
  - Water piping
  - Water pumps



Part #	Mfg #	Description	Price
218244	4134-24	1 Quart Bottle	

**Complete Care Mini-Split Kit**

- Contains one 18 oz can of Evap-Fresh™ No Rinse Evaporator Coil Cleaner & Disinfectant (#4166-75) and one PurCool® Green Mini Strip (#61044)



Part #	Mfg #	Description	Price
186994	4151-08	Mini-Split Cleaner Kit	

**Coil Gun**

- Quick connect feature
- Fix mix ration settings 3:1, 4:1, 6:1, 9:1, & 10:1
- 2-Quart capacity
- Foam wand to enhance foaming
- Deflector tip to fan out spray
- Connects to optional coil gun probe accessory (4774-1) for 90° direction of spray inside the coil



Part #	Mfg #	Description	Price
199887	4774-0	Coil Gun Sprayer	

**A/C Drain Sucker**

- Kit Includes:
  - Drain Sucker Pump & Hoses
  - PurCool Green 3 Ton Tablet (#61048)
  - All Fittings for Suction or Pressure Applications



Part #	Mfg #	Description	Price
189898	61308	A/C Drain Sucker	

**Rx-Acid Scavenger®**

- Neutralizes or "scavenges" acid in refrigeration, air conditioning systems
- Use after burnouts or normal maintenance
- Normal dosage is 2 fl oz/gallon of system oil



Part #	Mfg #	Description	Price
140754	4301-02	2 oz Liquid, Boxed	

**Rx11-Flush®**

- Ozone-safe solvent for flushing refrigeration and air conditioning systems/line sets
- Rinses away particulate, sludge, carbon residues, acids, oils and water



4300-09



4300-11



4300-50



4300-89

Part #	Mfg #	Description	Price
201260	4300-08	1 lb. can, hose, gun, valve	
114154	4300-09	1 lb Canister	
114155	4300-11	2 lb Canister	

## Chemicals

### Rx11-Flush® (Continued)

Part #	Mfg #	Description	Price
210232	4300-30	19.5 fl oz, Unpressurized	
114158	4300-50	Flushing Tool	
199968	4300-51	Rx11 Flush Gun	
139863	4300-89	Injection Valve	

### Lubricants

#### A/C Re-New Lubricant

- Enhances the lubricity and thermal properties of the refrigeration oil when introduced to an a/c or refrigeration system
- Reduces energy consumption
- Improves heat transfer in evaporator and condenser by improving oil return



Part #	Mfg #	Description	Price
170384	4057-55	4 oz liquid	

#### A/C Re-New Injector Tool

- Designed to inject A/C Re-New into A/C and refrigeration systems
- 4 fl. oz capacity
- Can be used for other injectable products as well
- Rugged aluminum
- Max working pressure: 600 psi



Part #	Mfg #	Description	Price
170385	4057-99	4 fl. oz capacity	

#### Penetrate HD® Lubricant

- Super penetrating lubricant
- Loosens rusted and frozen metal parts
- Frees stuck fan blades, blower shafts, pulleys, rusted nuts and bolts, etc.
- Saves time and labor
- Lubricates and protects metals
- Dielectric strength to 40,000 volts,
- Low VOC formula 31,000 volts
- Part numbers 61107 and 61108 meet or exceed California VOC limits
- Can be used with Talon Aerosol Wand (4776-0)



Part #	Mfg #	Description	Price
189895	61105	12 oz Can	

## Leak Detection

### Leak Sealant

#### Cal-Blue Leak Detector

- Freeze-protection 5°F up to 225°F



Part #	Mfg #	Description	Price
194279	4182-24	1 Quart Spray Bottle	

### Pipe-Dri Pipe Insulation Spray

- Refrigeration Lines
- Air Conditioning Lines
- Cold Water Lines
- Other Cold Surfaces



Part #	Mfg #	Description	Price
210407	4297-75	18 oz Aerosol Can	

### A/C EasySeal

- Prevents refrigerant leaks and seals existing leaks in air conditioning and refrigeration systems
- Eliminates expensive leak search and repair
- Travels with refrigerant to find leaks fast



Part #	Mfg #	Description	Price
133636	4050-06	EasySeal - 2.5 oz. pressurized can	
213682	4050-01	EasySeal-SS - 1.23 oz. pressurized can	
199897	4050-02	EasySeal 2+1 Display Pack	

### Gas Leak Detector

- Fluorescent spray bottle
- Non-corrosive to metal
- Freeze-protected and safe for use on all refrigerants, natural gas, and oxygen



Part #	Mfg #	Description	Price
167286	4184-24	1 Quart Spray Bottle	

### A/C EasySeal Direct Inject 1.5 to 5 Tons

- Easiest sealant to install
- Permanent seal
- Works with all refrigerants
- Professional use only
- Super concentrate



Part #	Mfg #	Description	Price
177997	4050-08	Treats Systems 1.5 to 5 Tons 18,000 BTUs or larger	

### A/C EasyDry

- Eliminates moisture in residential and commercial systems
- Treats up to 5 ton systems
- Compatible with all oils and refrigerants
- Compliments the system's drier
- Prevents acid from forming



Part #	Mfg #	Description	Price
204211	4051-06	3 oz Pressurized Can	

**Chemicals**

**Cleaners**  
**Evaporator Coil Cleaner**



Part #	Mfg #	Description	Price
092115	85-C02	Aerosol Evaporator Coil Cleaner	

**Enviro-Coil Cleaner**

- Cleans evaporator and condenser coils
- No foaming action, only attacks dirt buildup
- Environmentally safe
- No rinsing required on evaporator coils
- (4) Containers per case
- USDA Accepted



Part #	Mfg #	Description	Price
141525	85-H-EC01	1 gal Enviro-Coil Cleaner	

**Cal-Brite Coil Cleaner**

- Low pH cleaner for cleaning evaporator coils, air-cooled condensers, and other finned cooling and heating coils
- Based upon glycolic acid and other ingredients, including Merpol®
- Provides moderate foaming and brightening
- Safe for indoor and outdoor use



Part #	Mfg #	Description	Price
176312	4133-08	1 Gal, 3:1 Concentration	

**Pro-Treat® 152 King-Size Premium Condensate Drain Pan Treatment**

- Economical, safe, effective king-size tablets last three times longer
- Safe, non-corrosive, odor-free and 100% soluble
- Computer room approved
- Keeps drain pans and condensate lines clean and free flowing
- Dosage: 1 tablet per 3 tons per 3 months



Part #	Mfg #	Description	Price
149945	853002	(12) Tablets per Jar	

**Sta-Clean Condensate Pan Strip**



Part #	Mfg #	Description	Price
142409	CS100	Up to 2-1/2 Ton	

**Leak Freeze**

**A/C Leak Freeze**

- Permanently seals leaks in air conditioning and refrigeration systems
- Does not contain polymers
- Not activated by moisture or oxygen
- Non-clogging to A/C compressor and recovery unit



Part #	Mfg #	Description	Price
149068	00284	1.5 oz Cartridge, Clamshell w/Adapter	



## Chemicals

### Coil Cleaners

#### Self-Rinsing Evaporator Coil Cleaner

- *No foaming action – only attacks dirt build-up, not metal*
- *Rinsing not required – normal condensation will carry away dirt and contamination*
- *May irritate eyes and skin – excessive contact should be avoided*
- *USDA Accepted*



Part #	Mfg #	Size	Color	Price
041217	85-401	1 gal	Green	

#### Heavy Foaming Acid Condenser Coil Cleaner & Brightener

- *Expanding foam action*
- *Best for brightening – makes condenser coils look new*
- *Must be thoroughly rinsed with water*
- *Contains hazardous components hydrofluoric acid and phosphoric acid*
- *Outdoor use only, protective gloves, and eye/face protection required*



Part #	Mfg #	Size	Color	Price
041756	85-501	1 gal	Red	

#### Heavy Foaming Alkaline Condenser Coil Cleaner & Brightener

- *Expanding foam action*
- *Alkaline formulation is excellent on greasy coils*
- *Must be thoroughly rinsed with water*
- *Contains hazardous component potassium hydroxide*
- *Good ventilation, protective gloves, and eye protection required*
- *USDA Accepted*



Part #	Mfg #	Size	Color	Price
041334	85-1101	1 gal	Orange	

## Chemicals

### Flush Kits

#### Pro-Flush HVAC Flushing Solvent

- HVAC/R Flushing solvent for R-410A retrofits, refrigerant conversions and retrofits
- Low toxicity
- Non-flammable
- Residue-free



Part #	Mfg #	Description	Price
213842	PF-08	8 oz. Refill	
134797	PF-16	16 oz Refill	
134796	PF KIT	Power Flush Kit	

#### Super Change™

- One can treats up to 6 tons
- Eliminates oil change out
- Replaces line set flush
- Boosts oil return
- 20122 Reusable charging hose required —(sold separately)



Part #	Mfg #	Description	Price
189665	981	Super Change R22 Retrofit	

### Coil Cleaners

#### Foam-Plus™ Foaming Coil Cleaner

- Aerosol can
- Non-flammable and water-based with no chlorinated solvents
- Foaming alkaline detergent quickly liquefies dirt, grease, oil or other residue
- Self rinsing on condensate producing coils



Part #	Mfg #	Description	Price
114477	358-20	19 oz Aerosol can	

#### Saf-N-Kleen™ Aerosol Solvent Coil Cleaner

- High-solvency formula quickly and easily dissolves dirt, grease, oil or other residue while the blasting nozzle separates the materials from the surface.
- Non-flammable, non-conductive formula is safe to use on live equipment.

Part #	Mfg #	Description	Price
193803	357-20	18 oz. Aerosol	

#### Triple D™ Universal Coil Cleaner

- Triple-D™ is the ultimate universal coil cleaner that can be used on condensers, evaporators, microchannels, roof-top units, and mini-split applications.
- The triple active synergistic highly effective solution is formulated to remove a board range of soils while degreasing and deodorizing. It is ideal for cleaning most metals including aluminum and copper while extending equipment life and diminishing the potential for refrigerant leaks.
- Using 75% less than comparable products, it reduces the amount of solution needed to clean.
- Triple-D is biodegradable, NSF approved and available in seven different packaging configurations.



Part #	Mfg #	Description	Price
166062	TRIPLE-D	1 quart trigger sprayer	
166063	TRIPLE-D	1 gallon concentrate	

#### Pro-Green™ No Rinse Coil Cleaner

- Mild Alkaline cleaner
- Can be used on air-cooled condensers, evaporators, electronic and permanent filters, fan blades, grilles, mini-split, and microchannel applications
- Cleans deposits on coils and rids condensate pans of slime
- NSF approved



Part #	Mfg #	Description	Price
193291	8-G	1 Gallon	



## Chemicals

### Pro-Red+™ Coil Cleaner

- Brightens, removes condensate "gunk," dirt, grime, and oxide deposits while degreasing
- Ideal for small and large condensers
- A 3 to 1 water to solution ratio for condensers



Part #	Mfg #	Description	Price
192096	8-R	1 Gallon	

### Pro-Yellow™ Coil Cleaner

- Cleans and brightens
- Vigorous foaming action
- Non acid formula



Part #	Mfg #	Description	Price
193292	8-Y	1 Gallon	

### Leak Detectors

#### Super Seal™ Sealant Total

- Medium systems 1.5-5 tons
- Dries, seals, and includes Flash UV dye for a complete repair solution
- Compatible with all oils and refrigerants
- Ideal for all systems including microchannel, heat pump and geothermal



Part #	Mfg #	Description	Price
236353	972KIT	2 oz	

### Pro-Bubble™ Leak Detector

- Easy-to-use, high-bubbling, viscoelastic blue leak detector.
- New improved formula.



Part #	Mfg #	Description	Price
214166	PRO-BUBBLE	32 oz. bottle with Spray Top	

### Miscellaneous

#### Pro-Treat® 200 Economy Condensate Drain Pan Treatment

- Economical with 200 tablets per jar.
- Safe, non-corrosive, odor-free and 100% soluble.
- Approved for computer rooms.
- Convenient, easy-to-use tablet form provides prolonged cleaning action.
- Dosage: 3 tablets per 3 tons per month.



Part #	Mfg #	Description	Price
194908	PROTREAT-200	200 Tablets/Jar	

**Chemicals**

**UV Dyes**

- *Flash™ UV dye is an advanced class of highly concentrated ultra violet dye that uses DRY R™ instead of POE oil as its carrier.*
- *This, combined with our patented misting orifice, enables the dye to travel at the speed of the refrigerant while keeping the dye stable.*
- *One can treat up to 64 oz (1.8L) of oil. Flash UV dye uses the systems refrigerant as the propellant – creating a clean, no-mess injection every time*
- *Required hose sold separately.*



Part #	Mfg #	Description	Price
223617	20122	Clear Charging Hose	

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## Chemicals

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### ParFlush Kits

#### ParFlush Kit for System Conversion & Clean-Up

- *Developed for refrigerant systems up to eight tons*
- *Ideal for R-410A conversions or system clean-up of air conditioning, heat pump or refrigeration systems with 3/8" OK liquid line sets*
- *Non-toxic and non-flammable*



Part #	Mfg #	Description	Price
139317	PFKIT1	1 lb Kit	

**Refrigerant & Recovery Cylinders**

**Refrigeration Chemicals**

**Mineral Refrigeration Lubricant**

- Viscosity 150 SUS (ISO VG 32) replaces 3GS
- Viscosity 300 SUS \*(ISO VG 68) replaces 4GS
- For use with CFC and HCFC refrigerants
- Refined from select naphthenic base oils
- Wax free and oem approved
- Highest quality available and long-term, trouble-free service
- Low temperature properties
- (6) Containers per package



H-2301



H-2401

Part #	Mfg #	Description	Price
104480	85-H-2301	1 gal, 150 Viscosity	
149944	85-H-2401	1 gal, 300 Viscosity	

**Ester 32 POE Refrigeration Oil**

- Synthetic Ester Compressor Lubricant
- Viscosity 32 cSt @ 40°C
- ISO Viscosity Grade 32
- Long lubricant life
- Properly controlled miscibility
- High system efficiency
- Excellent low temperature fluidity
- Excellent high temperature stability
- Excellent hydrolytic stability
- Outstanding protection against compressor wear



Part #	Mfg #	Description	Price
157479	85-32CST	12 oz, 32 Viscosity	

## Condensate Neutralizers

### Cooling Tower & Water Treatment Products

#### pH-TREAT™ pH Neutralizer

- Neutralizes condensate water raising the pH to near neutral
- Includes:
  - (1) C-Clip for mounting
  - (2) 1/2" Barb x 3/8" MPT fittings
  - (2) 3/4" FPT x 3/8" MPT fittings
- Designed for gravity feed
- Product life is expected to have 1-year service life
- Temperature range: 40° to 100°F
- Pressure range: 0 to 125 psi



Part #	Mfg #	Description	Price
148176	4720-06	2.5" x 12" Cartridge Housing with 3/8" FPT Connections	

## Condensate Drain Guns

### Condensate Drain Cleaners

#### Charles Gallo Drain Gun

- Clears condensate drains with a SWOOSH CO2 cartridge
- Lightweight, portable
- Creates 1,200 psi pressure
- Includes a tapered fitting to fit on 3/8" - 3/4" drain openings
- Cartridges are environmentally safe and recyclable



Part #	Mfg #	Description	Price
142154	GG-1	Gallo Gun with SWOOSH CO2 Cartridge	

#### Swoosh CO2 Cartridge



Part #	Mfg #	Description	Price
142156	GGC-12	Replacement Cartridge for SWOOSH CO2, 12/Pk	

## Condensate Drain Pan Switches

### Condensate Overflow Switches

#### Condensate Cop™ Clamp-On Float Switch

- Large over clamping area that fits the edge of all types of drain pans
- Separate float/probe assembly swivels to position switch
- Switch opens when rising water presents a flooding condition
- 2-Wire connection
- 24V/1.5A NC Reed switch
- Includes:
  - 5' Leads
  - Wire nuts
  - Clamping screws



Part #	Mfg #	Description	Price
148951	CC-1	Drain Pan Switch	

#### UA-1 Universal Alarm for Condensate Switches

- Use with the Wet Switch, SOS, Condensate Cop, CP-22 (all types) and all float switches on 24VAC control circuits.



Part #	Mfg #	Description	Price
203939	UA-1	UA-1 Universal Alarm	

### Pipe Mounted Switches

- DiversiTech Flood Prevention Switches are simple to install, easy to service and extremely reliable.
- As water level in the auxiliary or main drain pipe rises due to a clogged air conditioning condensate drain, the switch shuts off the system—thus preventing water from overflowing and causing damage to doors, walls and ceilings.
- At the heart of the switch is a durable yet precise magnetic reed switch.
- Constructed of materials that will not rust or stick, the switch operates smoothly every time.



Part #	Mfg #	Description	Price
224406	CS1	Condensate Switch Tee	

### Safety Overflow Switch (SOS)

- Designed for use on 3/4in. PVC condensate drain line.
- Snaps easily over existing drain line tubing and can be glued in place using PVC cement.
- The SOS electronically senses water near the inside wall of the PVC drain tubing
- The LED indicator lights to show that there may be system trouble, and the SOS is doing its job.
- Furnished complete with switch, 5' (1.5 meter) 18 AWG, 2 wire lead, and a 3/4in. PVC male fitting adapter for direct coupling to a primary pan drain line connection



Part #	Mfg #	Description	Price
197096	SOS-1	SOS-1 Safety Overflow Switch	

### CS1200 AC Shutoff Switch

- The CS1200 is a fast installing, reliable, condensate overflow detection switch.
- Featuring a unique universal pan mount design to assure accurate detection in metal or plastic secondary drain pans.

Part #	Mfg #	Description	Price
214078	CS1200	CS1200 AC Shutoff Switch	

### WS-1 Wet Switch® Flood Detector

- A solid state control designed to help prevent flooding, damage to carpets, walls, furniture, ceilings, etc.
- Turns system off when detecting moisture due to condensate or drain leaks.
- A lit LED indicates the Wet Switch is activated and has turned the unit off.
- Connects to 24 VAC.
- More than one unit may be connected to a system.
- 2 amp contact rating.
- Simple 5 wire installation.



Part #	Mfg #	Description	Price
148945	WS-1	Wet Switch Flood Detector	



**Condensate Traps**

**Condensate Traps**

**100 Series Plain Clear Condensate Trap**

- Patented "See-Through" technology
- Watertight lower cap opens for easy access to clean drain pan outlet inside unit
- Remove upper cap to completely clean in seconds
- Cap can be replaced with optional float switch to warn owner if blockage is detected
- 3-Year warranty



Part #	Mfg #	Description	Price
147440	EZT-113B	3/4" Blow Molded Trap w/Brush	
119480	EZT-119	1" Blow Molded Trap w/Brush	



## Condensate Traps

### Condensate Overflows Condensate Overflow Safety Switch



84-SS2

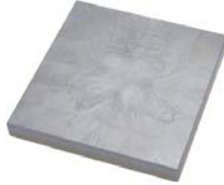
Part #	Mfg #	Description	Price
114920	84-SS2	Condensate Overflow Safety Switch - Auxiliary Drain Line Mount	
079708	84-SS3	Condensate Overflow Safety Switch - Pan Mount	

## Condenser Pads

### Plastic Equipment Pads

#### Plastic Equipment Pads

- Molded with size label and symbol representing content of recycled material
- Rounded edges and concrete gray color
- Limited lifetime warranty



#### 2" E-Lite™ Equipment Pad

Part #	Mfg #	Size	Price
023182	EL2424-2	24" x 24" x 2"	
122773	EL2430-2	24" x 30" x 2"	
021931	EL2436-2	24" x 36" x 2"	
023183	EL3030-2	30" x 30" x 2"	
023229	EL3036-2	30" x 36" x 2"	
023184	EL3040-2	30" x 40" x 2"	
039431	EL3232-2	32" x 32" x 2"	
023185	EL3636-2	36" x 36" x 2"	
039688	EL3640-2	36" x 40" x 2"	
021932	EL3648-2	36" x 48" x 2"	

#### 3" E-Lite™ Equipment Pad

Part #	Mfg #	Size	Price
147199	EL1838-2	18" x 38" x 3"	
110904	EL2424-3	24" x 24" x 3"	
156001	EL2436-3	24" x 36" x 3"	
122936	EL3030-3	30" x 30" x 3"	
156005	EL3040-3	30" x 40" x 3"	
156006	EL3232-3	32" x 32" x 3"	
110907	EL3636-3	36" x 36" x 3"	
110908	EL3640-3	36" x 40" x 3"	
151113	EL3648-3	36" x 48" x 3"	
110910	EL3842-3	38" x 42" x 3"	
173859	EL4040-3	40" x 40" x 3"	

#### 2" UltraLite™ Equipment Pad

- Lightweight Concrete Equipment Pads

Part #	Mfg #	Description	Price
135506	UC2430-2	24" x 30" x 2"	
199877	UC4040-2	40" x 40" x 2"	

#### 3" UltraLite™ Equipment Pad

- Concrete equipment pad

Part #	Mfg #	Size	Price
156007	UC1636-3	16" x 36" x 3"	
192089	UC3030-2	30" x 30" x 3"	

### Plastic Equipment Pads (Continued)

#### Plastic Equipment Pads

#### 3" UltraLite™ Equipment Pad

Part #	Mfg #	Size	Price
192090	UC3636-2	36" x 36" x 3"	

#### EcoPad™ Black Plastic Equipment Pad

- Used where local codes supersede the international code and require a pad thicker than 2"



Part #	Mfg #	Description	Price
215899	EP3030-3	30" x 30" x 3"	
215900	EP3232-3	32" x 32" x 3"	
215901	EP3636-3	36" x 36" x 3"	

#### Heat Pump Pad™

- Raises the pump a full 8" off the ground
- Precision molded from eco-friendly, recycled polypropylene
- Includes (8) high quality anti-vibration pads
- Base angled to direct melting snow or water from the unit



Part #	Mfg #	Size	Price
131414	HP3636-8	36" x 36" x 8"	
224224	HP3232-8	32" x 32" x 8"	

#### A/C Condenser Mounting Brackets

- No hardware included
- Pre-punched holes for fastening unit to bracket
- 7/16" Holes for wall mounting hardware
- Load capacity dependent upon hardware/wall load limitations
- 3" Bracket width, 16" height



Part #	Mfg #	Description	Price
132370	ACB-30	30" Steel, Pair	
132372	ACB-36	36" Steel, Pair	
132373	ACB-42	42" Steel, Pair	
132374	ACB-48	48" Steel, Pair	

## Condenser Pads

### Vibration Pads

#### Iso-Cube Economy Anti-Vibration Pad

- Circular design offers suction cup effect - no need to bolt down pad
- 50 durometer pad will withstand a load of 180 psi



Part #	Mfg #	Size	Price
193873	ISO-2	2" x 2" x 3/4"	
060308	ISO-18	18" x 18" x 3/4"	

#### EVA Anti-Vibration Pad

- 3" x 3" x 7/8"
- Composite foam center
- Designed to withstand 50 psi



Part #	Mfg #	Size	Price
206858	MP-3E	3" x 3" x 7/8"	

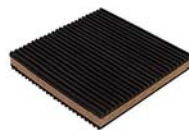
#### Rubber Anti-Vibration Pad

- Elastomeric oil resistant padding
- Can withstand 50 lbs psi
- Corrugated on both sides

Part #	Mfg #	Size	Price
198252	MP-2	2" x 2" x 3/8"	

#### Rubber / Cork Anti-Vibration Pad

- Highest quality elastomeric oil resistant padding.
- Designed to withstand 50 psi.
- The rubber pads are corrugated on both sides.
- The cork is laminated between two corrugated pads.
- Ideal for air conditioners, compressors, cooling towers, presses, machines, etc.



Part #	Mfg #	Description	Price
220263	MP-18C	18" x 18" x 7/8"	

### Heat Pump Risers

#### One-Piece Heat Pump Riser

- Heavy-duty plastic
- Butyl mastic on top & bottom



Part #	Mfg #	Size	Price
190278	HPR-3	3"	
190279	HPR-6	6"	
223362	HPR-12	12"	

#### Adjustable Equipment Riser

- Holds up to 300 lbs.
- Barrel twists up 5"-8"
- Includes top cap



Part #	Mfg #	Size	Price
190280	AER-8	8"	



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## Condenser Pads

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### A/C Brackets

Part #	Description	Price
042910	36" Wall Bracket	
042911	42" Wall Bracket	

**Condenser Pads**

**Air Conditioning Hanging Brackets**

- 1/8" Thick steel
- Mounts at any height

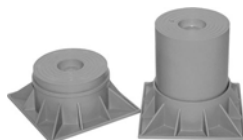


Part #	Mfg #	Description	Price
066780	19881	42" A/C Bracket	

**Equipment Stands & Mounting Blocks**

**Pump-Up® Equipment Stand**

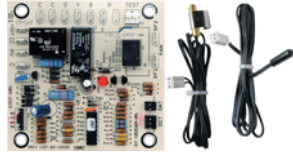
- Elevate heat pumps and air handling units
- Corrosion-resistant plastic
- Helps prevent corrosion of metal base
- Solid 6" x 6" mounting base
- Top diameter: 4-1/8"



Part #	Mfg #	Description	Price
064183	4004	4" Pump-Up® Extension	
064182	4008	6" High	
056395	4012	10" High	

**Defrost Controls**

**Defrost Controls**  
**Defrost Control Board**



Part #	Mfg #	Description	Price
123566	47-102684-83	Defrost Control Board	
182513	47-102685-87	Defrost Control Board Kit	
032874	47-21776-86	24V Defrost Control Time/Temp	



**Defrost Controls**

**Commercial Refrigeration Defrost Controls**

**8040 Series Defrost Control**

- *Time initiated*
- *Time terminated*
- *40 Amp*
- *Adjusted length of defrost 4 to 110 minutes*



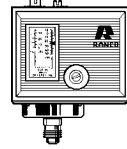
Part #	Mfg #	Volts @ 60Hz	Contacts 2-4 / 1-3 / 3-N	Price
149813	8041-00	120V	Closed/Open/Closed	
149808	8041-20	208/240V	Closed/Open/Closed	

## Defrost Controls

### Commercial Refrigeration Controls

#### Single Function Pressure Control

- NEMA 1 Enclosure with non-conductive cover
- Front-located captive cover screw
- Super Cap® capillary protection system
- Universal mounting & compact design
- Laser-welded bellows for extended life



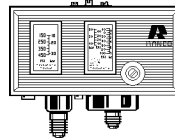
1/4" Male Flare



Part #	Mfg #	Description	Switch	Range	Differential	Price
149810	O10-1483	36" Capillary with Flare Nut	SPST Open Low	10 - 100 psig	10 - 40 psi	
063790	O10-2054	36" Capillary with Flare Nut	SPST Open Low	100 - 400 psig	40 - 150 psi	

#### Dual Function Pressure Control

- Exclusive "convertible" reset for manual or automatic high pressure reset on some models
- NEMA 1 Enclosure with non-conductive cover
- Front-located captive cover screw
- Super Cap® capillary protection system
- Universal mounting & compact design
- Laser-welded bellows for extended life
- Heavy-duty plated steel frame



1/4" Male Flare



Part #	Mfg #	Cut-In Range PSIG	Diff. PSI	Cut-Out Range PSIG	Diff. PSI	Low Pressure (Opens Low)	High Pressure (Opens High)	Price
149809	O12-4834	10 - 100	10 - 40	150 - 450	70 Fixed	Automatic	Convertible	

### Temperature Controls

#### ETC Commercial Temperature Control

- Wide temperature range: -30° to 220°F
- Wide differential adjustment: 1° to 30°F
- LCD Read-out for sensor temperature, control settings and relay status
- High amp output relay
- EEPROM Memory retains control settings during power outages
- Keypad lockout to prevent end-user alteration of settings
- Easy 4-step set up
- Heavy-duty relay 1 hp rated



Part #	Mfg #	Number Stages	Enclosure	Input Voltage	0 to 10 Volt Output	Price
066936	ETC-111000	1	NEMA-1	120/208/240VAC	No	
107652	ETC-112000	1	NEMA 1	24VAC	No	
064236	ETC-212000	2	NEMA 1	24VAC	No	

## Defrost Controls

### General Range Temperature Control

- Maximum adjustment accuracy with 7 revolution range adjustment screws
- NEMA 1 enclosure with non-conductive cover
- Front-located captive cover screw
- Universal mounting & compact design
- Laser-welded bellows for extended life



### General Range Temperature Control - SPST - Opens High or Low

Part #	Mfg #	Applications	Range	Differential	Description	Price
149812	O10-1072	Low (Freezer)	-15° - 40°F	*+3° - 20°F	Air Coil	
149811	O10-1802	High	25° - 75°F	*+3° - 20°F	Air Coil	

\*+Differential at the low end of range is 6 to 25.

**Electrical**

**Contactors**

**Economy DP-Series Contactor**

- *Electro magnetically-operated definite purpose 2-pole contactors provide switching for across-the-line starting of induction motors*
- *Double 1/4" quick connects*
- *Low profile design allows for more wiring room*
- *Multiple mounting holes and slots for convenient, interchangeable mounting with most competitive devices*
- *Not ARI-780 compliant, use where a "ruggedized" device is NOT required*



Part #	Mfg #	Coil Ratings Voltage	Poles	Electrical Contacts Full Load	Electrical Contacts Resistive	Price
169827	DP2030A1004	24V	2-Pole	30A @ 240/277VAC	48A @ 240/277,480,600VAC	

\* #10 Combination head screws

**Electrical**

**Protech Contactors  
Single Pole Contactor**



Part #	Mfg #	Amps	Coil Volts	FLA @230V	LRA @230V	Resistive @230V	Price
018074	42-25101-01	30A	24V	25	150	35	
030033	42-25101-03	40A	24V	40	240	50	

**Two Pole Contactor**



Part #	Mfg #	Amps	Coil Volts	FLA @230V	LRA @230V	Resistive @230V	Price
022556	42-25102-01	30A	24V	32	180	40	
069435	42-42139-13	40A	24V	40	240	50	

**Three Pole Contactor**



Part #	Mfg #	Amps	Coil Volts	FLA @230V	LRA @230V	Resistive @230V	Price
017913	42-25103-01	30A	24V	32	180	40	
053005	42-25103-02	30A	240V	32	180	40	
022561	42-25103-05	50A	24V	50	300	63	

**Electrical**

**Pressure Controls**

**P70 Series - Single Pole High Pressure Control**

- Full adjustability, minimum differential
- Long life contact structure, no bounce on make
- Manual reset models are "trip-free"
- Includes a universal mounting bracket
- For use with:
  - Air conditioning and refrigeration
  - Controls of air, water, and oil pressure



**Models for High Pressure Non-Corrosive Refrigerants: R-12, R-22, R134A, R-500, R-502 (R)**

Part #	Mfg #	Switch Action	Range PSIG	Diff PSI	Max Over-Pressure PSIG	Limited Knob Adj	Pressure Connection	Price
143982	P70AA-400	SPST Opens Low	100 to 470	35 to 200	690	None	3/6" Cap, 1/4" Flr Nut	

## Spade & Other Electrical Connectors

### LiquidTite Flex Conduit and Fittings

#### Liquid Tite Flexible Conduit

- For electrical applications: outside, inside and industrial uses including transformer connections, air conditioning and heating
- Joins with metallic or non-metallic connectors, easy to cut. Impact resistant, chemical resistant, and will not kink.



Part #	Mfg #	Description	Price
192061	750-34100	3/4" x 100 ft	
194410	750-12100	1/2" x 100 ft	

#### DiversiWhip - Metallic Connectors

- Liquid-tight flexible conduit system
- Three distinct wire colors
- (1) Straight and (1) 90° metallic connectors
- UL & cUL Listed



Part #	Mfg #	Description	Price
011632	6-12-4	1/2" x 4', #10 THHN	
011633	6-12-6	1/2" x 6', #10 THHN	
034348	6-34-6	3/4" x 6', #8 THHN	

### Connectors

#### Liquid Tite Straight Connector

- Type B
- UL & CUL listed
- For use with metallic and Non-metallic liquid conduit



Part #	Mfg #	Size	Metallic	Price
194411	750-NMLT50	1/2"	No	
192063	750-NMLT75	3/4"	No	

#### Liquid Tite Elbow Connector

- Type B
- UL & CUL listed
- For use with metallic and Non-metallic liquid conduit



Part #	Mfg #	Size	Metallic	Degree	Price
168189	750-NMLT9050	1/2"	No	90°	
192064	750-NMLT9075	3/4"	No	90°	

### Romex Connectors

- Metallic
- Zinc die cast
- For use with Romex wire
- UL listed CSA approved



Part #	Mfg #	Description	Price
192071	750-RC841	3/8" for 1/2" knockouts	
211892	750-RC842	3/4" for 3/4" knockouts	

### Screw-On Wire Connectors

- Secures connections for positive continuity
- High-dielectric thermoplastic shell resists chemical action
- Deep skirt design



Part #	Mfg #	Description	Price
192085	623-002	Blue 72B 22-16 AWG 100/Pk	
193784	623-003	Orange 73B 22-14 AWG 100/Pk	
192084	623-004	Yellow 74B 18-10 AWG 100/Pk	
192086	623-005	Red 76B 18-10 AWG 100/Pk	
208281	623-001	Gray 71B 22-16 AWG 100/Pk	

### Winged Wire Connectors

- Durable thermoplastic material
- Flame retardant, abrasion resistant, non-porous, and non-corrosive
- For use with copper to copper, aluminum to aluminum, and copper to aluminum (dry locations only)



Part #	Mfg #	Description	Price
159373	8284	Yellow 18 Pack	
159374	8286	Red 14 Pack	
192087	623-000	Gray 50 Pack	

### Insulated Butt Connectors

- These insulated terminals crimp to the wires which relieves the need to solder.



Part #	Mfg #	Description	Price
212222	6231	Red, 16 Pack 12-10 Wire	
212223	6217	Yellow, 27 Pack 16-14 Wire	



## Spade & Other Electrical Connectors

### Insulated Female Slip-Ons

- These female terminals crimp to the wires which relieves the need to solder.



Part #	Mfg #	Description	Price
212224	6281	22 pack wire range 16-14	
212227	6282	22 pack wire range 22-18	
212228	6235LX	50 pack wire range 22-18	
212229	6235CX	100 pack wire range 22-18	
212230	6235	22 pack wire range 22-18	
212231	6218	22 pack wire range 16-14	
212232	6218LX	50 pack wire range 16-14	
212233	6218CX	100 pack wire range 16-14	
212234	6251	17 pack wire range 12-10	
212235	6251LX	50 pack wire range 12-10	

### Fully Insulated Female Slip-Ons

- Crimp to the wires which relieves the need to solder
- This terminal features insulation grip
- This terminal is usually supplied vinyl and has an insulation grip



Part #	Mfg #	Description	Price
212236	6233	14 pack wire range 16-14	

### Insulated Rings

- These insulated terminals crimp to the wires which relieves the need to solder



Part #	Mfg #	Description	Price
212238	6216LX	50 pack wire range 16-14	
212240	6252	17 pack wire range 12-10	

### Insulated Spades

- These insulated terminals crimp to the wires which relieves the need to solder



Part #	Mfg #	Description	Price
215569	6237LX	50 pack wire range 22-18	
215570	6227LX	50 pack wire range 16-14	
215571	60254LX	50 pack wire range 12-10	

### Standard Wire Connectors

- Connectors are color coded with spring inserts
- Heat resistant (105°C) thermoplastic
- Connectors are for copper to copper connections
- Parts 6294 and 6296 can connect aluminum to aluminum and copper to aluminum (dry locations only)



Part #	Mfg #	Description	Price
159370	6291	29 pack	
159371	6292	25 pack	
159372	6293	20 pack	

### Tab Adapters - Single Female Double Male Tabs

- These insulated terminals crimp to the wires which relieves the need to solder



Part #	Mfg #	Description	Price
212243	6211	27 Pack	
212244	6211CX	100 Pack	

### Tab Adapters - Piggy Back Slip-Ons

- These insulated terminals crimp to the wires which relieves the need to solder



Part #	Mfg #	Description	Price
212242	60210LX	50 pack 16-14W	

## Contactors

### Definite Purpose Contactors

- 50 Amp
- 14 Nom VA
- 120 VAC coil
- Current MA 117
- 45.5 res DC ohms
- 135 Max inrush VA
- Quick connect terminals



Part #	Mfg #	Poles	Amps	VAC	Price
239656	EC503120	3	50	120	
198830	EC40224	2	40	24	
209961	EC30224	2	30	24	

## Spade & Other Electrical Connectors

### Hard Start Kits

#### Torque Plus Hard Start Kit

- 120-288 Volts
- For 1/2-10 h.p. compressors



Part #	Mfg #	Description	Price
198713	DST-5	300% Torque Multiplier	
198712	DST-6	500% Torque Multiplier	

#### Hard Start Kit



Part #	Mfg #	Description	Price
208758	HSK1	3.5-5HP Compressor	
208759	HSK5	1-3HP Compressor	

### General Accessories

#### EMT Thinwall Fittings

- 1/2" Set screw coupling
- Used to join EMT conduit to boxes on enclosures



Part #	Mfg #	Size	Price
239659	625-810	1/2"	

#### Stranded Copper Wire on Spool

- 100' per spool
- 600V & 90°C
- THHN wire
- 19 Strand copper



Part #	Mfg #	Color	Gauge	Price
239673	W121-100	Black	12	
239674	W141-100	Black	14	

### Hanging Wire

- The 18 gauge galvanized can be used to hang HVAC duct work



Part #	Mfg #	Description	Price
192060	710-185G	18 Gauge 830'	

### MAC Line Piercing Valve

- Features uniport: 1 connection for piercing and servicing
- Sealed with refrigerant resistant "O" rings



Part #	Mfg #	Description	Price
192412	QTM-1	1/4", 5/16", 3/8"	

### Switch/Plug Combo

- These switches are available in single pole- double pole.
- They are UL listed and furnished with screw terminals. The ratings are A:20A- 125VAC, 20-250 VAC, 1 HP at 120-240 V and B 15A- 125/250 VAC, 3/4 HP at 240 V

Part #	Mfg #	Description	Price
207369	620-274W	1P 3W grounding, 15A, 120V	

### Compressor Repair Kit

- Fits both non-burned and burned terminals
- Connects to the compressor via precision brass cylinders that fit over the terminals and connect with stainless steel set screws.
- Wires are permanently attached.
- Standard factory 600V, 65 strand machine wire.
- Easy to install and guaranteed for the life of the compressor.



Part #	Mfg #	Description	Price
192081	TLC-3-10	3 Wire, 10 Gauge Kit	

## Spade & Other Electrical Connectors

### Transparent Plastic Boxes with Terminal Assortment

- Boxes are made of soft, pliable, durable K resin with 18 compartments containing the most popular terminals, including hi-temp and compressor terminals



Part #	Mfg #	Description	Price
210238	PA10	180 Terminals (10 Each Kind)	

### Adjustable Delay on Make Timer

- Ideal for random starting of multiple units.
- Adjusts from 6 seconds to 8 minutes.
- Spin proof knob.
- Works with 24, 120 or 240 VAC control circuits.
- Supports up to 1.5 Amps.
- Two wire hookup for easy installation.
- Solid state with quick-disconnect terminals.
- Mounts with one self-tapping screw.
- Conformal coated circuitry protects against moisture and shock.



Part #	Mfg #	Description	Price
192404	ADM-1	Adjustable Delay on Make	

### Adjustable Delay on Break Timer

- Adjusts from 6 seconds to 8 minutes.
- Spin-proof knob.
- Works with 24, 120 or 240 VAC control circuits.
- Supports up to 1.5 Amps.
- Two wire hookup for easy installation.
- Solid state with quick disconnect terminals.
- Mounts with one self-tapping screw.
- Conformal coated circuitry protects against moisture and shock.



Part #	Mfg #	Description	Price
192405	ADB-1	Adjustable Delay on Break	

### Electrical Staples

- We have steel, insulated copper finish, and plastic electrical staples available



Part #	Mfg #	Description	Price
211036	PI332	50 pack 3/8" x 3/4"	

### Rayovac Industrial Maximum Alkaline Batteries

- The Shrink Packed Battery has the same battery performance at the Contractor Pack, just at a lower cost.
- This battery is formulated specifically to exceed the everyday demands of the industrial applications and has outstanding dependability for those must work applications.



Part #	Mfg #	Description	Price
206551	7-ALAA-24	AA Battery, pack of 8	
206553	7-ALAAA-18	AAA Battery, pack of 8	
206554	7-ALC-12	C Battery, pack of 6	
206555	7-ALD-12	D Battery, pack of 6	



## Electrical

### Electrical Parts & Accessories

#### RXAD - Low Ambient Control Kit

Part #	Mfg #	Description	Price
124470	RXAD-A08	Installed in Units to be Operated for Cooling at Outdoor Ambient Temperatures Under 70° F	

#### Low Ambient Control

Part #	Mfg #	Description	Price
108140	47-ICM325HNC	Low Ambient Fan	

#### Crankcase Heater

Part #	Mfg #	Description	Price
043854	44-17402-17	Crankcase Heater	
033123	44-17402-47	Crankcase Heater	

#### Hard Start Kit

Part #	Mfg #	Description	Price
141497	42-ICM860	Hard Start Kit	

#### Kick Start

- For single phase 208V, 230V, 265V A/C refrigeration and heat pump compressors
- 2-Wire pre-assembled starting component utilizes a mechanical potential relay and a start capacitor

Part #	Mfg #	Description	Price
104511	42-KS1	3-1/2 - 5 Ton Condenser Motor Kick Start	
104510	42-TO5	1 - 3 Ton Condenser Kick Start	

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## Electrical

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### Solenoid Valves

#### General Purpose (GP) Type I Two-Way Solenoid Valve

- *Minimum operating pressure differential: 1 psi*
- *Maximum temperature: 225°F*
- *Normally closed only*
- *For general application on non-corrosive fluids such as air, water below 180°F, light oils below 300 SSU and low vacuum*



Part #	Mfg #	Description	Price
005716	70562	1/2" Port, 1/2" FPT	
005717	70712	3/4" Port, 3/4" FPT	

#### Solenoid Coils for GP Valve

Part #	Mfg #	Description	Price
005722	77300	9W, 24V, 50/60Hz	
005720	77310	9W, 120V, 56/60Hz	
005719	77360	9W, 120/240V, 50/60Hz	

#### Solenoid Valve Repair Kit

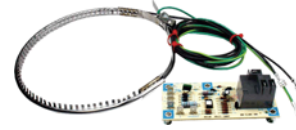
Part #	Mfg #	Description	Price
005723	76731	Valve Repair Kit for GP600 (70712)	

**Crankcase Heaters**

**Crankcase Heaters**

**Belly Band Type - Scroll Compressor**

- *Easy to install; adjustable by screw*
- *Uses high temperature silicone rubber element*
- *For optimum heat transfer, mount in lowest position on compressor housing*



Part #	Mfg #	Volts	Watts	Lead Wire Size (AWG)	Lead Wire Length	Ground Wire Length	Price
137561	44-101884-05	230V	40W	18	48"	48"	
091893	44-17402-44	230V	40W	18	48"	22"	
009323	44-17402-45	230V	40W	18	48"	48"	

**Filter Driers**

**Liquid Line Filter-Driers**

**Liquid Line Filter-Drier (Uni-Directional)**

- Solid core, activated alumina with molecular sieve
- Corrosion resistant epoxy powder paint finish
- Suitable for R-22 and R-410A
- 680 psig Maximum working pressure
- Solid copper fittings



Part #	Mfg #	Connection	OAL	Body Length	Body Diameter	Price
188932	83-25151-40	3/8" Sweat ODF	4-1/2"	3"	2-5/8"	
179891	83-25151-41	3/8" Sweat ODF	5-5/16"	3-7/8"	2-5/8"	
180298	83-25151-42	3/8" Sweat ODF	6-1/8"	4-5/8"	2-5/8"	

**Liquid Line Filter-Drier (Bi-Directional)**

- Solid core, activated alumina with molecular sieve
- Internal check valve for heat pump applications
- Removes all types of foreign particulate material
- Corrosion resistant epoxy powder paint finish
- For R-22 and R-410A, 680 psig maximum working pressure
- Solid copper fittings



Part #	Mfg #	Connection	OAL	Body Length	Body Diameter	Price
180774	83-25152-10	3/8" Sweat ODF	6-1/8"	4-5/8"	3-1/8"	
096137	83-EK-163S	3/8" Sweat ODF	6-1/4"	4-3/4"	2-5/8"	

**ADK Core Style Liquid Line Filter-Drier (Uni-Directional)**

- Corrosion resistant epoxy powder paint finish
- High moisture and acid removal capacity
- Solid copper ODF fittings
- Copeland approved for POE oils
- 40 Micron filtration
- UL/cUL File SA3124



Part #	Mfg #	Connection	OAL	Body Length	Body Diameter	Price
149928	83-ADK-052	1/4" Flare SAE	4-13/16"	3"	2-5/8"	
149929	83-ADK-053	3/8" Flare SAE	5-1/8"	3"	2-5/8"	
133408	83-ADK-083	3/8" Flare SAE	5-15/16"	3-3/16"	2-5/8"	
149930	83-ADK-084	1/2" Flare SAE	6-3/16"	3-3/16"	2-5/8"	
094060	83-ADK-162	1/2" Flare SAE	6-7/16"	4-5/8"	2-5/8"	
149932	83-ADK-163	3/8" Flare SAE	6-3/4"	4-5/8"	2-5/8"	
149933	83-ADK-164	1/2" Flare SAE	6-15/16"	4-5/8"	2-5/8"	
149934	83-ADK-165	5/8" Flare SAE	7-7/16"	4-5/8"	2-5/8"	
149935	83-ADK-303	3/8" Flare SAE	9-5/8"	7-1/2"	3-1/16"	
149936	83-ADK-304	1/2" Flare SAE	9-7/8"	7-1/2"	3-1/16"	



**Filter Driers**

**Sporlan Catch-All Liquid Line Filter-Drier (Uni-Directional)**

- Solid core, activated alumina with molecular sieve
- Corrosion resistant epoxy powder paint finish
- Suitable for R-22, R-410A
- 650 psig Maximum working pressure

Part #	Mfg #	Connection	OAL	Body Length	Body Diameter	Price
097691	83-25208-01	1/4" Sweat ODF	4-3/16"	3-7/16"	2-7/16"	
080952	83-25208-03	3/8" Sweat ODF	5-1/4"	4-3/8"	2-5/8"	
080950	83-25208-04	3/8" Sweat ODF	5-7/8"	5"	3"	
080951	83-25208-05	1/2" Sweat ODF	6"	5"	3"	

**Suction Line Filter-Driers**

**Suction Line Filter Drier (Standard Shell)**

- Solid core; solid copper fittings
- Activated alumina/activated carbon/molecular sieve desiccant
- Suitable for R-22 and R-410A, 500 psig maximum working pressure
- For use after a burnout or when major system work has been performed
- (2) Pressure taps; one each at the inlet and outlet ends
- Corrosion resistant epoxy powder paint finish



83-25153-10

Part #	Mfg #	Connection	OAL	Body Length	Body Diameter	Price
087301	83-25153-10	3/4" Sweat ODF	9-5/8"	7-7/16"	3"	
096158	83-25153-11	7/8" Sweat ODF	9-7/16"	7-7/16"	3"	

**Sporlan Catch-All Suction Line Filter-Drier (Standard Shell)**

- Solid core, solid copper fittings
- Premium product with activated alumina/activated carbon/molecular sieve desiccant
- Suitable for R-22, R-410A
- 650 psig Maximum working pressure
- For use after burnout or when major system work has been performed
- One pressure tap at the inlet end
- Corrosion resistant epoxy powder paint finish



Part #	Mfg #	Connection	OAL	Body Length	Body Diameter	Price
092126	83-25209-03	7/8" Sweat ODF	6-5/16"	4-9/16"	3"	
087302	83-25209-05	7/8" Sweat ODF	9-3/4"	8"	3"	
092125	83-25209-06	1-1/8" Sweat ODF	9-3/4"	8"	3"	

**Filter Driers**

**CSFD Suction Line Filter-Drier (Compact Shell)**

- Solid core; solid copper fittings
- Activated alumina with molecular sieve desiccant
- Suitable for R-22 and R-410A
- Maximum working pressure: 400 psig
- Compact design for short lay-in applications
- Two pressure taps; one each at the inlet and outlet ends
- Corrosion resistant epoxy powder paint finish



Part #	Mfg #	Connection	OAL	Body Length	Body Diameter	Price
149938	83-CSFD-14S4VV	1/2" Sweat ODF	4-1/4"	2-3/4"	4-5/8"	
149939	83-CSFD-14S5VV	5/8" Sweat ODF	4-1/2"	2-3/4"	4-5/8"	
140741	83-CSFD-14S6VV	3/4" Sweat ODF	4-3/8"	2-3/4"	4-5/8"	
140742	83-CSFD-14S7VV	7/8" Sweat ODF	4-9/16"	2-3/4"	4-5/8"	

## Filter Driers

### Filter-Driers

#### Liquid Line Filter-Drier

- One valve can be employed for all refrigerants
- Maintains constant evap pressure
- Provides freeze-up protection on A/C
- Compatible with all existing and new refrigerants
- High moisture capacity dessicant



Part #	Mfg #	Size	Connection	Price
008288	SS-052S	1/4"	Sweat	
008290	SS-083S	3/8"	Sweat	

#### Suction Line Filter-Drier

- 500 Hours salt spray protection
- High capacity acid retention desiccants
- Solid copper sweat fittings



Part #	Mfg #	Size	Connection	Price
008255	SLD135SV	5/8"	Sweat	
008257	SLD277SV	7/8"	Sweat	



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## Filter Driers

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### Condenser Accessories

#### Filter Drier

Part #	Mfg #	Description	Price
092127	832520902	Filter-Drier 3/4" C166sthh	

**Filter Driers**

**Liquid Line Filter-Driers**

**Liquid Line Filter-Drier**

- Solid copper fittings
- Maximum filtration capacity
- High moisture and acid capacity
- Corrosion resistant powder paint
- Spring loaded, XH-9 molecular sieve desiccant
- Exceptional compatibility with new polyester oils
- Compatible with all existing and new refrigerants and blends including:  
—134a, 401A/B, 402A/B, 404A, 407A/B/C, 410A, 502, 507A



Part #	Mfg #	Size	Connection	Cubic Inch	Price
239677	DAD164S	1/2"	Sweat	16	
239678	DAD304S	1/2"	Sweat	30	

## Filter Driers

### Filter Driers

#### ALF Liquid Line Filters

- The ALF is a liquid line refrigerant filter for recovery, recycle and reclaim usage
- The ALF is also used for protecting solenoid and expansion valve parts from debris
- Filtering media that maximizes removal of finer particles
- Corrosion resistant epoxy powder paint finish



Part #	Mfg #	Description	Price
239676	EMRALF032MF	1/4" SAE	

#### 9Builder Series Filter Drier

- The Builder Series filter drier provides an economical system protection for air conditioning applications
- ODF - Solid copper connections for easy installation
- Solid core construction
- 40 micron filtration
- Maximum working pressure = 680 psig



Part #	Mfg #	Description	Price
218561	EMRBSS166S	Suction 3/4" ODF 16CU	
218562	EMRBSS167S	Suction 7/8" ODF 16CU	
218564	EMRBSS306S	Suction 3/4" ODF 30CU	
218565	EMRBSS307S	Suction 7/8" ODF 30CU	

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## Leak Detection

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### Leak Detectors

#### Leak-Tech Gold™

- *For use on gas lines, gas cylinders, refrigeration condensers, air lines, air pumps or any other system carrying gas*
- *Can be used on all types of piping*
- *Non-toxic and non-corrosive*
- *Temperature range: 28° to 180°F*
- *Not for use on oxygen systems*

Part #	Mfg #	Description	Price
034246	LT08	8 oz with Dauber	
034245	LS16	1 pt Spray Bottle	



**Leak Detection**

**Leak Detectors**

**Sure-Chek<sup>®</sup> All-Temperature Leak Detector**

- Ultra-sensitive, long-lasting bubbles
- Fluorescent for improved visibility
- Safe for oxygen
- Non-corrosive, non-toxic



Part #	Mfg #	Size	Price
033194	32850	1 pt	

**VISU-GLOW<sup>®</sup> High Visibility Leak Detector**

- Fluorescent color shows brightly even in dimly lit places
- For use on CSST systems
- High viscosity stays on vertical surfaces
- Makes it easy to find leaks
- Non-corrosive, non-toxic
- Safe for oxygen
- Temperature range: 15° to 200°F



Part #	Mfg #	Size	Price
005975	32898	8 oz	



## Leak Detection

### Leak Detectors

#### Megabubble® Leak Detector

- Detects gas leaks in pipe lines, tanks, coils, cylinders, valves, etc
- Used to detect leaks of air, natural gas, refrigerants, CO2 and almost all known gases
- Non-toxic and contains only high quality, non-staining ingredients



Part #	Mfg #	Size	Price
132929	45801	8 oz Dauber Bottle	

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## Leak Detection

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### All-Purpose Leak Detectors

- *Detects leaks quickly on all types of tubing valves, cylinders, pressure tanks or other systems under air, gas or oxygen pressure*
- *Temperature range: -55 to +160°F*
- *Slow evaporation rate provides longer inspection time*



Part #	Mfg #	Size	Price
018413	30209	8 oz with Dauber	
031651	30212	1 gal	

**Leak Detection**

**Leak Detectors**

**Tracker System Replacement Dye**

- *Universal A/C Dye*
- *Use with mineral, ester and alkylbenzene oils*
- *Shines bright yellow in UV light*



Part #	Mfg #	Size	Dye	Case Qty	Price
034252	16276	1/4 oz	R-12	12	

## Leak Detection

### Leak Detectors

#### Big Blu Micro Leak Detector Solution

- *The only bubble detector capable of identifying gas leakage approaching the sensitivity of electronic sniffers*
- *Non-toxic*
- *Biodegradable*
- *Oxygen safe*



Part #	Mfg #	Description	Price
134238	RT100S	1 qt Spray	

#### Super Blu Micro Leak Detector Solution

- *50% Glycol solution at the same level of Big Blu detector*



Part #	Mfg #	Description	Price
135048	RT150S	1 qt Spray	

## Leak Detection

### Leak Detection Flashlights

#### OPTIMAX Jr™ LED Leak Detection Flashlight

- Cordless
- Blue light LED for leak detection
- Perfect for tight spaces
- Power comparable to high intensity 75W lamps
- Inspection range up to 6' or more
- 100,000/Hour LED life
- Powered by (3) "AA" batteries (included)
- Includes fluorescence-enhancing glasses (UVS-40)



Part #	Mfg #	Description	Price
138625	OPX-500CS	OPTIMAX Jr™ Flashlight	

#### Dual-Max™ Multi-Function LED Flashlight

- Cordless
- Dual-head flashlight features super bright blue light LED for leak detection plus white light LED for general component inspection
- Power comparable to high intensity 75W lamps
- Inspection range up to 6' or more
- Compact design allows easy access into tight spaces
- 100,000/Hour LED life
- Powered by (3) "AAA" batteries (included)
- Includes holster and fluorescence-enhancing glasses (UVS-40)



Part #	Mfg #	Description	Price
138626	OPD-500CS	Dual-Max™ Flashlight	

### Leak Detection Kits

#### GLO-STICK® Kit with OPTIMAX Jr™ Flashlight

- For small to medium size AC&R systems, including high pressure R-410A systems
- Includes:
  - OPTIMAX Jr™ flashlight (OPX-500CS)
  - (1) Bleed valve for attaching GLO-STICK® capsule to service hose (BV-50)
  - (1) Purge capsule (PC-0249)
  - (1) Hose to connect to low side service port (119567)
  - (1) Universal/POE GLO-STICK® dye capsule (GS-1/E)
  - (2) Universal/POE GLO-STICK® dye capsules (GS-2/E)
  - (1) Universal/POE GLO-STICK® dye capsule (GS-3/E)
  - Fluorescence-enhancing glasses (UVS-40)
  - 8 oz Spray bottle of GLO-AWAY™ dye cleaner (CR-800)
  - Plastic carrying case (CC-110)



Part #	Mfg #	Description	Price
138623	OPK-50GS/E	GLO-STICK® Kit w/OPTIMAX Jr™ Flashlight	

### Injection Kits

#### ACID-BUSTER™ Injection Kit

- Acid scavenging solution, eliminates acid buildup in AC&R systems
- Prevents compressor burnout
- Ideal for small to medium sized systems
- Works with all lubricants and systems, including high pressure R-410A systems
- Includes:
  - EZ-Ject™ injector assembly (EZ-50)
  - Hose assembly complete with check valve and 1/4" flare low-loss fitting (EZ-25)
  - (2) 0.5 oz EZ-Ject™ cartridges filled with ACID-BUSTER™ acid scavenging solution (AB-5CS)



Part #	Mfg #	Description	Price
138635	AB-100CS	ACID-BUSTER™ Injection Kit	

## Leak Detection

### Cartridges

#### EZ-Ject™ Universal Dye Cartridge

- (6) 0.5 oz Dye cartridges for mineral oil, polyolester and alkyl benzene



Part #	Mfg #	Description	Price
138624	EZ-4/ECS	Treats up to 25 lbs of Refrigerant or 2 gals of Lubricant	

#### Replacement ACID-BUSTER™ Universal Cartridge

- Filled with ACID-BUSTER™ acid scavenging solution



Part #	Mfg #	Description	Price
138636	AB-5CS	0.5 oz Cartridge for EZ-Ject™	

#### GLO-STICK® Universal Dye Capsules

- For small to medium size systems
- Prefilled, disposable capsules allow dye to be injected into pressurized systems using refrigerant
- Will withstand pressures of more than 1000 psi
- For mineral oil, polyester and alkyl benzene lubricant systems



Part #	Mfg #	Description	Price
138629	GS-101/ECS	Case of (6) 0.03 oz Capsules, Up to 2.9 lbs of Refrigerant or 15 fl oz of Lubricant	
138630	GS-1/ECS	Case of (6) 0.5 oz Capsules, Up to 4.9 lbs of Refrigerant or 1.6 qts of Lubricant	
138632	GS-2/ECS	Case of (6) 0.5 oz Capsules, 5 to 9.9 lbs of Refrigerant or 1.7 to 3.2 qts of Lubricant	
138634	GS-3/ECS	Case of (6) 0.5 oz Capsules, 10 to 25 lbs of Refrigerant or 3.3 qts to 2 gals of Lubricant	

## Leak Detection

### Leak Detectors

#### Micro LED UV Leak Detection Kit and Lamp

- *Waterproof*
- *Long life LEDs*
- *Constant ON switch*
- *AA Alkaline battery included*



Part #	Mfg #	Description	Price
182326	69789	Flashlight & Dye Kit for AC/R	

#### Universal A/C Disposable Injectors

- *1 oz. Injector*
- *One dye minimizes inventory*
- *80 psi maximum system port pressure*
- *Not for direct injection into R-410A systems due to high pressure*
- *No back-up refrigerant to move dye into system*



Part #	Mfg #	Injector Qty	Applications	Price
182321	69700	6 Pak	12 per case	
182324	69721	2 Pak	4 Per Pkg	



## SpeediChannel Line Set Cover Systems

### SpeediChannel System

#### SpeediChannel™ Line Set Covers

- SpeediChannel™ 6-1/2' long and can be cut-to-size
- UV-Resistant, UL listed
- White finish, paintable



Part #	Mfg #	Size	Description	Price
113862	230-B2M	18"	Type 2 Wall Bracket(Md)	
113863	230-B2L	21"	Type 2 Wall Bracket (Lg)	
113138	230-D3	3"	Channel	
113145	230-D4	4"	Channel	
118518	230-D6	6"	Channel	
113139	230-CP3	3"	Union Coupling	
113146	230-CP4	4"	Union Coupling	
143605	230-CP6	6"	Union Coupling	
117848	230-TC34	3" x 4"	Reducer Coupling	
117851	230-DC3	3"	Cap	
117852	230-DC4	4"	End Cap	
156044	230-DC6	6"	End Cap	
113141	230-DE3	3"	End Cap	
113148	230-DE4	4"	End Cap	
237073	230-De6	6"	End Cap	
117841	230-EB3	3"	90° Inside Elbow	
117843	230-EIN3	3"	90° Outside Elbow	
113140	230-FB3	3"	90° Flat Elbow	
179867	230-FB6	6"	90° Flat Elbow	
117845	230-FB453	3"	45° Flat Elbow	
117846	230-FB454	4"	45° Flat Elbow	
224307	230-FB456	6"	45° Flat Elbow	
117842	230-EB4	4"	90° Inside Elbow	
178071	230-EB6	6"	90° Inside Elbow	
117844	230-EIN4	4"	90° Outside Elbow	
113147	230-FB4	4"	90° Flat Elbow	
117840	230-LFB4	4"	90° Long Radius Flat El	
239128	230-LFB6	6"	90° Long Radius Flat El	
117839	230-LFB3	3"	90° Long Radius Flat El	
113142	230-WC3	3"	Wall Penetration Sleeve	
113149	230-WC4	4"	Wall Penetration Sleeve	
124976	230-WC6	6"	Wall Penetration Sleeve	
117838	230-WS2	2-1/2"	Wall Penetrating Sleeve	

### SpeediChannel System (Continued)

#### SpeediChannel™ Line Set Covers

Part #	Mfg #	Size	Description	Price
117850	230-FJ4	4"	Flex Joint	
117849	230-FJ3	3"	Flex Joint	
117847	230-TJ4	4"	T-Joint	
213918	230-TJ6	6"	T-Joint	
116968	230-MB17W	17"	Mounting Block White	
116969	230-MBCW		Mounting Block End Cap	
117853	230-FR3	3"	Wall Escutcheon	
154312	230-DCLIP		SpeediClip 50/PK	
202481	230DSCREW		Screw 100/PK	
117854	230-FR4	4"	Flat Wall Escutcheon	
117855	230-WR3	3"	Wall Escutcheon	
117856	230-WR4	4"	Wall Escutcheon	
179922	230-INJ462	10"	Roof Inlet	
168414	230-SF4	4"	Soffit Fitting	

### Mini-Split Drain Line

- Cut marks every 3.28'



Part #	Mfg #	Size	Price
140145	230-DL16	5/8" ID x 160'	

### Mini-Split Installation Wire and Cabling

- For power supply and control circuits



Part #	Mfg #	Description	Price
163873	230-14-4	50" Roll	

## SpeediChannel Line Set System

### Wall Brackets

#### WBB300 Wall Condenser Bracket

- 300lb capacity
- Heavy duty steel w/ powdercoat finish
- Features a sliding cross bar for exceptional equipment width range
- Level for added convenience



Part #	Mfg #	Size	Price
185380	RL87733	22" x 33-1/2" x 18"	

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## Refrigerant Parts & Accessories

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### ThermO-Snap Clamps™

#### Universal Mounting Bracket

- *Pre-mounted brackets provide an easy one-man installation job*
- *Multi-use applications including copper, PVC and ABS pipe*
- *Maintenance free - use indoors or out*
- *Eliminates vibrations and noise call backs*
- *Easy to re-open for an additional or custom adjustment*
- *UV Protected*



Part #	Mfg #	Description	Price
034839	41118	Residential 1-1/2" OD	
094315	41125	Commercial Plastic Line 2" OD	

## Mounting Systems

### Mounting Brackets and Blocks

#### Quick-Swivel Flush Mount with H Bracket

- The flush mount hanger is slotted to receive a 3/8 lag bolt 16" or 24" on center. It can be attached parallel or perpendicular to the joist
- Our Quick Swivel is made with 14-gauge steel able to hold 200 lbs
- The swivel allows for 360 degree rotation for setting the perfect direction of air flow
- The square steel tubing cuts down on vibration while 3 hitch-pins add to the safety and sturdiness of the Quick Swivel with "H" bracket
- All necessary hardware for installation provided



Part #	Mfg #	Description	Price
175021	QSQSWI1000	"U" Mount 200lbs, H Bracket with Non-Swinging Rotating Platform	
175024	QSQSWI5000	400lbs, HD Bracket with Non-Swinging Rotating Platform	
175023	QSWI3000	Flush Mount 200lbs, H Bracket with Non-Swinging Rotating Platform	

#### Mini Split Stand

- 12" High
- The Mini-Split Stands provide a safe, stable platform for mounting a wide variety of HVAC/R equipment
- Keeps unit elevated above lawn mowers, weed trimmers, pets, snow and flooding



Part #	Mfg #	Description	Price
175026	QSMS1201	Holds up to 400lbs, 12" High - Wide	
175025	QSMS1200	Holds up to 400lbs, 12" High - Thin	
175053	QSQSMS1202	Holds up to 400 lbs, 12" High - Dual Fan	
186115	QSQSMS1801	Holds up to 400 lbs, 18" High - Wide	

#### Quick-Sling® Mini Split Super Stand

- Galvanized mounting hardware included
- Include single and double sided U bars to accommodate any multi-unit combination



Part #	Mfg #	Description	Price
238376	QSSS1003	VRV IV-18" W/ 36" Crossrails	
188343	QSQSSS1003	VRV IV-12" W/ 36" Crossrails	
188353	QSQSSS1006	VRV IV-12" W/ 2-pair 36" Crossrails	
188354	QSQSSS1022	VRV IV-12" W/ 1-pair 36" & 1-pair 48" Crossrails	
188355	QSQSSS1008	VRV IV-12" W/ 2-pair 48" Crossrails	

## Mounting Systems

### Wall Bracket

- *Wall Bracket provides a quick safe, and stable way to mount your unit.*
- *They allow for easy access during installation, service, and maintenance.*
- *Our roof bracket accessory is designed to protect your equipment from snow and freezing rain while maintaining proper air flow around the unit.*



Part #	Mfg #	Description	Price
224115	QSQSWB3000	Holds up to 300 lbs	
227295	QSQSWB2000	Holds up to to 350 lbs	

### Furnace Mounting Blocks

- *Each furnace mounting block can support 40% more weight than competitive products – over 500 pounds!*
- *Easy peel and stick installation.*



Part #	Mfg #	Description	Price
152470	FB-1	FB1 Furnace Mounting Blocks	

## Novent Locking Caps

### Refrigerant Parts & Accessories

#### Refrigerant Caps and Accessories



R22 Cap



R410 Cap



Multikey



Part #	Mfg #	Description	Price
139299	NG-R22-2PK	Tamper-Resistant Green Caps R22 2/Pack	
139303	NG-R22-SDT	Screwdriver/Key R22 Green/Silver	
139300	NG-R410-10PK	Tamper-Resistant Pink Caps R410 10 Pack	
139304	NG-R410-SDT	Screwdriver/Key R410 Pink	
139302	NV-MULTI-KEY	Locking Refrigerant Cap Key	

**Refrigeration Ball Valves with Press Port**

**Refrigerant Ball Valves**  
**ABV Refrigeration Ball Valve**

- Forged brass body, hermetic design with access valve



Part #	Mfg #	Connection Size	OAL	Description	Price
181357	BVS-038	3/8" ODF	5-1/2"	1/2" SAE Port with Schrader Core	
132261	BVS-058	5/8" ODF	5"	Full Press Port Bi-Directional Flow	
181358	BVS-012	1/2" ODF	6-3/8"	1/2" SAE Port with Schrader Core	
181130	BVS-078	7/8" ODF	7-1/2"	3/4" SAE Port with Schrader Core	
181359	BVS-138	1-3/8" ODF	10"	1-1/4" SAE Port with Schrader Core	
157803	BVS-118	1-1/8" ODF	6-11/16"	Bi-Directional Flow	

## Secondary Drain Pans

### Condensate Drain Pans

#### A/C Secondary Condensate Drain Pan

- *Rolled edges for durability*
- *Ribbed bottoms for rigidity*
- *Includes 3/4" PVC fittings*



Part #	Mfg #	Bottom Dimensions	Drain Line Outlets	Price
040019	6-3060L	30" x 60" x 2"	Long	
192095	DVDP3263L	32" x 63" x 2"	Long	
192720	DVDP3060	30" x 60" x 2"	Short	
197538	DV62424L	24" x 24" x 2"	Long	
135390	DV63030L	30" x 30" x 2"	Long	

### High Rise Pans™

- *Black ABS plastic with 5" rise*
- *Installation kit includes:*
  - (1) CC-1 condensate cap
  - (6) MP-2E 2"x2" EVA™ pads
  - (1) 1-3/4" PVC male adapter



Part #	Mfg #	Description	Price
198580	6-HK3060	30" x 60"	
168273	DV6HK2748	27" x 48"	
176050	DV6HK30501	30" x 50"	

### Condensate Drain Pan Fittings

#### A/C Condensate Drain Pan Fittings

- *The Drain Pan Fittings are designed to be used with Condensate Drain Pans.*



Part #	Mfg #	Description	Price
197627	DV61	3/4"	



**Site Glasses**

**Sight Glasses**  
**Ruud™ Sight Glass**



Part #	Mfg #	Connection	OAL	Price
140739	83-25156-02	3/8" Sweat ODF	4-5/8"	
140740	83-25156-04	1/2" Sweat ODF	4-7/8"	

**See-All Sight Glass - Sporlan**

- Painted steel body with copper fittings
- Includes protective cap for glass viewing window
- Suitable for R-22 and R-410A, 650 psig maximum working pressure



Part #	Mfg #	Connection	OAL	Price
022555	83-25211-02	3/8" Sweat ODF	4-5/8"	
022563	83-25211-04	1/2" Sweat ODF	4-7/8"	



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## Site Glasses

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### Ruud Sight Glasses RXAG - Sight Glass Kit

Part #	Mfg #	Description	Price
094285	RXAG-A048	For 125,150,151 Comm Condensing Units & 75,100 Heat Pumps	




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## Tap Valves & Piercing Valves

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### Valves

#### Piercing Valve

Part #	Mfg #	Description	Price
085911	611002	QTM2 Line Piercing Valve	
133637	4051-99	A/C Piercing Valve & Hose	

#### Valve

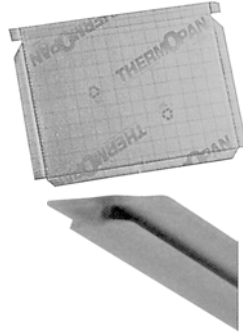
Part #	Mfg #	Description	Price
104504	83-CD4338-1PK	Line Tap Valve	

## Aluminum Faced Board Panning & Grille Frames

### ThermO-Pan®

#### ThermO-Pan™ with Connectors

- ThermO-Pan® is a high quality, lightweight alternative to sheet metal in constructing return air ducts between joists
- Consists of corrugated insulation faced with aluminum
- Available in light weight sheets in many sizes
- Significantly reduces duct noises and labor
- Requires no shop fabrication
- Molded polypropylene ThermO connectors which easily connect ThermO-Pan® panels
- Kit includes panning, connectors, and (4) headers



Part #	Mfg #	Size	Price
034604	16049	16" x 47-1/2" Kit	
034602	19049	19-1/2" x 47-1/2"	
034603	24049	24" x 47-1/2"	
034605	32037	32" x 35-1/2"	

### ThermO-Frames™

#### Standard Return Air Grille Dry Wall Frame

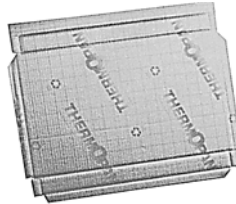
- Precision molded polypropylene
- Safety edged
- Frames can be cut for use as a single frame
- Place grille over frame and screw into precision molded frame holes on finished dry wall
- Allows unfiltered air flow



Part #	Mfg #	Size	Price
026507	14630	30" x 6", or 2 @ 14" x 6"	
168881	14632	30" x 6" (Bag of 10)	

### ThermO-Headers™

- For tight sealing air block
- ThermO-Headers™ are pre-cut and scored to fit easily between joists
- Specially-sized headers are cut and scored to fit I-joist construction



#### ThermO-Header

Part #	Mfg #	Size	Description	Price
212281	16017R	16" x 17"	I-Joist Header	
212282	16016R	16" x 16"	I-Joist Header	

#### Fire Rated

Part #	Mfg #	Size	Description	Price
121097	16018	16" x 18"	I-Joist Header	
129601	16020	16" x 20"	I-Joist Header	

**Canvas Duct Connectors**

**Flexible Duct Connectors**

**Metal-Fab Connector**

- 3" Metal, 3" fabric, 3" metal
- 24 Gauge galvanized
- Grip Loc seam
- 100' Roll



Part #	Item #	Item #	Description	Price
036577	10159	MBX333	Black Excelon®	

**Junior Connector**

- 1-3/4" Metal, 3" fabric, 1-3/4" metal
- 28 Gauge galvanized
- Guard Loc seam
- 100' Roll



Part #	Item #	Item #	Description	Price
005603	10169	JBX-100	Black Excelon®	

## Chimney & Vent

### Type B Round Gas Vent Pipe & Fittings

#### REA45 45 Degree Adjustable Elbow



Part #	Mfg #	Size	Price
184386	HC1045	10"	
184234	HC360	3"	

#### REA90 — 90-degree Adjustable Elbow



Part #	Mfg #	Size	Price
184245	HC390	3"	
184269	HC490	4"	
184292	HC590	5"	
184323	HC690	6"	
184368	HC890	8"	

#### RF Adjustable Roof Flashing (0 - 6/12 pitch)



Part #	Mfg #	Size	Price
184253	HC3FLASH	3"	
184276	HC4FLASH	4"	
184299	HC5FLASH	5"	
184331	HC6FLASH	6"	
184356	HC7FLASH	7"	
184376	HC8FLASH	8"	
184392	HC10FLASH	10"	

### RP Round Pipe (3-12")

- 3" to 12" pipe and fitting couplers overlap 1-3/8" when joined together; therefore, assembled length is 1-3/8" less than listed length.
- The allowable minimum clearance to combustibles is 1"
- Outside Diameter (OD)  
Sizes 3" through 6" is size plus 1/2"  
Sizes 7" through 12" is size plus 1"
- A full set of installation instructions are supplied with caps and supports.



Part #	Mfg #	Size	Price
184381	HC103	10" x 3'	
184608	HC105	10" x 5'	
184395	HC123	12" x 3'	
184243	HC312	3" x 12"	
184242	HC318	3" x 18"	
184241	HC32	3" x 2'	
184240	HC33	3" x 3'	
184239	HC34	3" x 4'	
184238	HC35	3" x 5'	
184266	HC412	4" x 12"	
184265	HC418	4" x 18"	
184264	HC42	4" x 2'	
184263	HC43	4" x 3'	
184262	HC44	4" x 4'	
184261	HC45	4" x 5'	
184289	HC512	5" x 12"	
184288	HC518	5" x 18"	
184287	HC52	5" x 2'	
184286	HC53	5" x 3'	
184285	HC54	5" x 4'	
184284	HC55	5" x 5'	
184290	HC56	5" x 6"	
184315	HC612	6" x 12"	
184314	HC618	6" x 18"	
184313	HC62	6" x 2'	
184312	HC63	6" x 3'	
184311	HC64	6" x 4'	
184310	HC65	6" x 5'	
184347	HC718	7" x 18"	
184346	HC72	7" x 2'	
184343	HC75	7" x 5'	
184366	HC812	8" x 12"	
184365	HC818	8" x 18"	
184364	HC82	8" x 2'	
184363	HC83	8" x 3'	
184362	HC84	8" x 4'	

## Chimney & Vent

### Type B Round Gas Vent Pipe & Fittings (Continued)

#### RP Round Pipe (3-12")

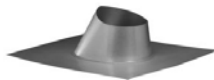
Part #	Mfg #	Size	Price
184361	HC85	8" x 5'	

#### RS Storm Collar



Part #	Mfg #	Size	Price
184405	HC12SC	12"	
184255	HC3SC	3"	
184278	HC4SC	4"	
184301	HC5SC	5"	
184333	HC6SC	6"	
184358	HC7SC	7"	
184378	HC8SC	8"	
184394	HC10SC	10"	

#### RFA Adjustable Roof Flashing (6/12 - 12/12 pitch)



Part #	Mfg #	Size	Price
184259	HC36FLASH	3"	
184282	HC46FLASH	4"	
184309	HC56FLASH	5"	
184337	HC66FLASH	6"	

#### RHW Rain Cap (3-8")

- Prevents rain and debris from entering the vent.
- External screen prevents entry of birds.



Part #	Mfg #	Size	Price
184505	HC3TOP	3"	
184506	HC4TOP	4"	
184507	HC5TOP	5"	
184509	HC6TOP	6"	

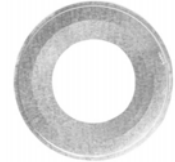
### RPA/R18A Adjustable Length Pipe



Part #	Mfg #	Size	Price
184244	HC312A	3" x 12"	
184268	HC412A	4" x 12"	
184291	HC512A	5" x 12"	
184316	HC612A	6" x 12"	
184349	HC718A	7" x 18"	
184367	HC818A	8" x 18"	

#### RPC Pipe Collar 3-8"

- To cover a rough opening.



Part #	Mfg #	Size	Price
184257	HC3COL	3"	
184280	HC4COL	4"	
184304	HC5COL	5"	
184335	HC6COL	6"	

#### RRA Female Adapter

- Adapts Hart & Cooley vent to other brands of B vent (ours to theirs).



Part #	Mfg #	Size	Price
184487	HC3FA	3"	
184488	HC4FA	4"	
184489	HC5FA	5"	
184490	HC6FA	6"	

## Chimney & Vent

### RT Tee



Part #	Mfg #	Size	Price
184246	HC3T	3"	
184270	HC4T	4"	
184293	HC5T	5"	
184324	HC6T	6"	
184371	HC8T	8"	

### RTF Tall Cone Roof Flashing



Part #	Mfg #	Size	Price
184254	HC3TCFF	3"	
184277	HC4TCFF	4"	
184332	HC6TCFF	6"	
184357	HC7TCFF	7"	

### RN Inceaser



Part #	Mfg #	Size	Price
184272	HC45INC	4" x 5"	
184273	HC46INC	4" x 6"	
184329	HC68INC	6" x 8"	

### RWT Wall Thimble

- Provides necessary clearance to combustibles.
- Sleeve is adjustable from 3" to 6"



Part #	Mfg #	Size	Price
184279	HC4WT	4"	
184303	HC5WT	5"	

### RAA Male Adapter

- Adapts thicker wall brands of B vent to Hart&Cooley vent (theirs to ours).



Part #	Mfg #	Size	Price
184283	HC5RAA	5"	

### RYF Wye



Part #	Mfg #	Size	Price
184495	HC543W	5" x 4" x 3"	
184496	HC544W	5" x 4" x 4"	
184494	HC554W	5" x 5" x 4"	
184500	HC644W	6" x 4" x 4"	

### Type B Vent Oval Gas Pipe & Fittings

#### OC 4" Oval Cap



Part #	Mfg #	Size	Price
184603	HC4OC	4"	

#### OP Oval Pipe



Part #	Mfg #	Size	Price
184590	HC4OP24	4" x 2'	
184589	HC4OP5	4" x 5'	

#### OSC Oval Storm Collar

- The storm collar serves as a counter flashing and requires mastic to seal to the vent pipe.



Part #	Mfg #	Size	Price
184605	HC4OSC	4"	



## Chimney & Vent

### Type B Chimney & Vent Chimney Liner

#### ALK Aluminum Chimney Liner Kits

- Kits include flexible length, round top, flashing, mortar guard
- Standard kit lengths of 15', 25' and 35'
- Available in 3", 4", 5", 6", 7" and 8" diameters in both kits and 10' extensions
- 10' insulated sleeve has tough polyethylene exterior (sold separately)
- Extension kit includes Flexi-Liner with attached connector and fastener package.
- Pull-downs stretch and lead the Flexi-Liner down the chimney
- Liner Material Aluminum 3003, 2-ply (0.005"each)
- Maximum Flue Gas Temperature 470°F
- Stretch Ratio 5:1 (approximate)
- Clearances 0" between liner and chimney interior 0" between combustible materials and chimney exterior
- Liner listed to UL1777 and ULC-S635
- Compatible with Type B gas vent systems
- Lifetime warranty



Part #	Mfg #	Size	Price
184653	HC3ALK35	3" x 35'	
184654	HC4ALK35	4" x 35'	
184655	HC5ALK35	5" x 35'	
184656	HC6ALK35	6" x 35'	

### Type A Chimney & Vent Chimney Lengths

#### TLC Chimney Lengths

- Slim, advanced design allows for installation between 16" centers and still provides 2" clearance from combustible material
- Secure twist-lock design couples chimney sections together with just a 1/8 turn. Locking bands secure joints
- Includes locking band
- 5"-8" sections overlap by 1 1/8", 10"-14" sections overlap by 1 1/4"
- Chimneys are sized according to the inner diameter and are available in 5" through 14"
- The outside diameter is 2" larger than the inside diameter



Part #	Mfg #	Size	Price
184688	HC6TLC12	6" x 1'	
184689	HC6TLC18	6" x 18"	
184690	HC6TLC24	6" x 2'	
184692	HC6TLC36	6" x 3'	
184694	HC6TLC48	6" x 4'	
184713	HC7TLC48	7" x 4'	
184719	HC8TLC24	8" x 2'	
184720	HC8TLC36	8" x 3'	
184721	HC8TLC48	8" x 4'	

### Type A Chimney & Vent Supports

#### TLCAWS Adjustable Wall Support

- Used to support the chimney on a through-the-wall installation.
- 5" – 8" sizes include top plate, side brackets, hardware, non-twist-lock insulated tee cap, and a long L-bracket to hold tee cap in place.
- 10" – 14" sizes do not include the cap. Use tee cap packaged with tee.
- 2" – 6" clearance away from wall.
- 5" – 8" sizes support between 30 feet and 74 feet of chimney, based on size and orientation. See instructions for specific heights.
- 10" – 14" sizes support up to 40 feet of chimney.
- 12" – 14" sizes are nonadjustable supports.



Part #	Mfg #	Size	Price
184701	HC6TLCAWS	6"	
184724	HC8TLCAWS	8"	

## Chimney & Vent

### TLCCSR Ceiling Supports

- For use in flat ceiling support installations.
- Supports a total of 50 feet of chimney above.
- Chimney pipe cannot pass below support.
- Matte black finish with ceiling ring to cover rough opening.
- Also acts as a firestop.
- Must always use stovepipe adapter.

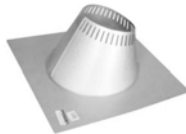


Part #	Mfg #	Size	Price
184763	HC6TLCCSR	6"	

### Type A Vent Flashings & Storm Collars

#### TLCF6 Adjustable Flashing Assembly 0 - 6/12 pitch

- Used where the chimney passes through a roof with a pitch of Flat to 6/12.
- Comes complete with storm collar.
- All seams are sealed with silicone sealant.
- Galvalume



Part #	Mfg #	Size	Price
184704	HC6TLCF6	6"	
184731	HC8TLCF12	8"	

#### TLCSC Storm Collar

- Used in conjunction with roof flashing to keep precipitation out.



Part #	Mfg #	Size	Price
184707	HC6TLCSC	6"	
184748	HC8TLCSC	8"	

#### TLCRBF Rubber Boot Flashing Kit

- This kit fits 5", 6", 7" and 8" chimneys.
- Used where the chimney passes through a corrugated roof.
- Rubber boot flashing fits roof pitches up to 12/12.
- Kit includes: Special Storm Collar, Rubber Boot, Spacer Kit and Special Boot-Mounting Screws
- UL-listed.



Part #	Mfg #	Size	Price
184697	HCTLCRBF	5"-8"	

### Type A Vent Parts & Accessories

#### TLCSPA Stovepipe Adapter

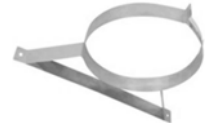
- For quick and easy transition from black stovepipe to factory-built chimney.
- Twist-lock for easy connection.
- 5" to 8" is black.



Part #	Mfg #	Size	Price
184709	HC6TLCSPA	6"	
184749	HC8TLCSPA	8"	

#### TLCWB Wall Band

- Stainless steel construction.
- Provides lateral support for the chimney when installed adjacent to a wall.
- Maintains the mandatory 2-inch clearance to combustibles.
- Used above the tee, then every 8 feet thereafter.



Part #	Mfg #	Size	Price
184710	HC6TLCWB	6"	

### Type A Chimney & Vent Rain Caps

#### TLCC Rain Caps

- Advanced design, premium quality stainless steel.
- Provides protection against the elements.
- 5" – 8" TLCC with twist lock connection
- 10" – 14" Model TLCC with twist lock connection



Part #	Mfg #	Size	Price
184698	HC6TLCC	6"	
184714	HC7TLCC	7"	
184722	HC8TLCC	8"	

## Chimney & Vent

### Type A Chimney & Vent Elbows & Tees

#### TLCT Insulated Tee With Tee Cap

- *The insulated chimney tee may be used for through the-wall installation, using a wall support.*
- *A chimney length is required to pass safely through a wall.*
- *Includes the following:*
- *Two locking bands*
- *5" to 8" sizes have an uninsulated (single-wall) twist-lock tee cap for non-wall support applications only.*
- *10" to 14" sizes have an insulated press fit tee cap.*



Part #	Mfg #	Size	Price
184699	HC6TLCT	6"	

### Type A Chimney & Vent Shields

#### TLCWT Black Wall Thimble

- *Used in a wall support installation.*
- *Radiation shield is included with spacers, which maintain the mandatory 2-inch clearance to combustibles.*
- *Attractive matte black finishing trim plate is included.*
- *Adjustable wall thickness from 4 1/2" – 8 3/4" for 5" – 8" sizes and from 6" – 11" for 10" – 14" sizes.*



Part #	Mfg #	Size	Price
184767	HC8TLCWTB	8"	



## Duct Boosters

### Duct Boosters®

- Fits round or flat forced air heating/cooling ductwork
- Boosts air flow up to 275 CFM



Part #	Mfg #	Description	Price
010372	DB-2	Original 120V, 1/20 hp, .51A - 6" & 8" Duct	

### Duct Fans

- Fans can be used for exhaust or fresh air intake applications
- Fits metal or flex duct
- Capacities from 180 CFM up to 1,200 CFM



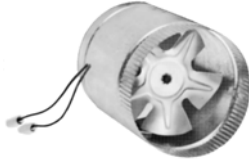
Part #	Mfg #	Description	Price
061571	EF-6	For 6" 120V, 30W, .40A	
023837	EF-8	For 8" 120V, 56W, 1.1A	

**Duct Boosters**

**Air Boosters**

**Air Booster**

- *Installs in branch duct of any room*
- *Adds up to 1,150 CFM to needy rooms*
- *Can be wired electrically through the main blower, a wall switch, or a line voltage thermostat in the room*



Part #	Mfg #	Size	Price
116050	84-25253-01	6"	

## Duct Tape

### Duct Tape

#### 221 Solvent Resistant Duct Tape

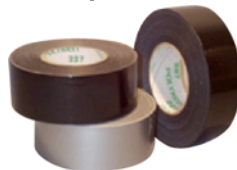
- Rubber based adhesive
- Polyethylene coated cloth backing
- Crisp, straight tear and smooth unwind



Part #	Mfg #	Size	Color	Price
010344	221	2" x 60 yds	White	

#### 227 Contractor Grade Duct Tape

- Bonds to all types of surfaces
- Will not twist or curl



Part #	Mfg #	Size	Color	Price
010345	227	2" x 60 yds	Silver	

#### 398 Professional Grade Duct Tape

- 011 mil Thickness
- Excellent balance of tearability and tensile strength; 27 lbs/inch
- Conforms well to irregular surfaces
- Superior holding power for hanging applications
- Tears straight, hangs straight, curl resistant
- Easy unwind
- Low VOC content
- PE-coated cloth backing with rubber adhesive



Part #	Mfg #	Size	Color	Price
077358	398B	2" x 60 yds	Black	
190388	398W	2" x 60 yds	White	

#### 338 FSK Insulation Tape

- Kraft Paper
- Syntetic rubber Adhesive
- Foil/Tri-Directional Fiberglas/Paper
- Aluminum



Part #	Mfg #	Size	Color	Price
176968	338	3" x 50 yds	Aluminum	

**Duct Tape**

**Gaffer's Tape**

- Premium vinyl coated
- Low gloss, non-reflective cloth backing



Part #	Mfg #	Size	Color	Price
010351	510	2" x 60 yds	Gray	

**Foil Tape**

**337 Premium Foil Tape**

- UL 723 Listed
- 3.7 mil Thickness
- Tensile strength: 14 lb/in
- Exceptional quick stick
- Dead-soft aluminum foil backing for rigid preformed aluminum foil-faced duct systems
- Synthetic rubber adhesive
- Low VOC



Part #	Mfg #	Size	Price
010349	337	2" x 50 yds	
010350	337	3" x 50 yds	

**339 Cold Weather Premium UL 181A and B Printed Foil Tape**

- 4.8 mil Thickness
- Tensile strength: 23 lb/in
- High performance in both cold and hot weather
- Instant adhesion, superior quick stick
- Premium performance in joining and sealing rigid fiberglass duct board and Class 1 flex duct
- Tear resistant
- Low VOC



Part #	Mfg #	Size	Price
124231	339	2-1/2" x 60 yds	
124230	339	3" x 60 yds	

**360-17 Waterproofing Repair Tape**

- For indoor or outdoor sealing of medium and high pressure HVAC duct systems including metal duct, fiberglass duct, flex duct
- Seals cracks and seams in gutters, roof alleys, eaves, hips and ridges
- Seals around chimneys and vent stacks
- Repair gouges, rips, tears in metal panels
- Foilmastic permanent sealant tape - heavy-duty
- Acceptable for use on galvanized materials
- Provides instant water-tight bond
- Paintable - use in place of caulking
- Excellent resistance to cold, heat, water and sunlight



Part #	Mfg #	Size	Price
038561	360-17	3" x 100'	

**227 Contactor Grad Duct Tape**

- 11 mil
- Natural rubber adhesive
- Polyethylene coated cloth
- Single coated



Part #	Mfg #	Size	Color	Price
025910	227B	2" x 60 yds	Black	

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**Duct Accessories**

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**PVC Tape**

**PVC Tape for Fiberglass**

Part #	Mfg #	Size	Price
044361	3043033	2" x 100'	



## Duct Fasteners

### Rivets

#### Stainless Rivet



Part #	Mfg #	Rivet Dia	Body Length	Mandrel	Pk Qty	Price
006487	SS/SS42DT	1/8"	.232	Stainless	1,000	
006488	SS/SS44DT	1/8"	.357	Stainless	1,000	

#### Steel Rivet



Part #	Mfg #	Rivet Dia	Body Length	Mandrel	Pk Qty	Price
006491	SS42DT	1/8"	.232	Plated	1,000	
006490	SS42DX	1/8"	.232	Plated	100	
006492	SS44DX	1/8"	.357	Plated	100	

### Screws

#### Zip-In® Screw

# Zip-in®



Part #	Mfg #	Size	Pkg Qty	Price
006427	HW7x1/2Z	7 x 1/2"	15,000	
006428	HW7x1/2ZT	7 x 1/2"	1,000	
006426	HW7x1/2ZX	7 x 1/2"	100	
006434	HW8x1/2ZT	8 x 1/2"	1,000	
006433	HW8x1/2ZX	8 x 1/2"	100	
006436	HW8x3/4ZT	8 x 3/4"	1,000	
006435	HW8x3/4ZX	8 x 3/4"	100	
074763	HW8x3/4Z	8" x 3/4"	10,000	
092077	HW8x1Z	8 x 1"	7,000	
026305	HW8x1ZT	8 x 1"	500	
006429	HW8x1ZX	8 x 1"	100	
006431	HW8x11/2ZT	8 x 1-1/2"	250	
006430	HW8x11/2ZX	8 x 1-1/2"	50	
046929	HW8x2ZT	8 x 2"	250	
006419	HW10x1ZX	10 x 1"	100	

#### Zip-In® White Screw

# Zip-in®



Part #	Mfg #	Size	Pkg Qty	Price
066164	HW8X2ZWT	8 x 2"	250	

### Drill-In Screw



Part #	Mfg #	Size	Pkg Qty	Price
084193	HW10X2T	10 x 2"	250	
006424	HW10X2X	10 x 2"	50	

### Bit-Tip® #2 Screw - Hex Washer Head

- Taps a matching thread
- Drills it's own hole
- Fastens in steel up to .200 thick

# Bit-Tip®

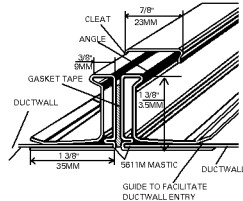


Part #	Mfg #	Screw Size	Driver Size	Pkg Qty	Price
037082	BT131	8-18 x 1/2"	1/4"	100	
037085	BT133T	8-18 x 3/4"	1/4"	500	
037083	BT133	8-18 x 3/4"	1/4"	100	
058127	BT143T	10-16 x 3/4"	5/16	500	

## Duct Fasteners

### Connector Systems

#### Ductmate 35 Rectangular Flange System



Part #	Mfg #	Description	Price
005621	DM35	DM35™ Flange System	

#### Ductmate 35 Corner



Part #	Mfg #	Description	Price
005615	DC111B	35 Corner with Clips	

**Duct Fasteners**

**Duct Fasteners**

**PN Spotter Pin**



Part #	Mfg #	Size	Pack	Price
072531	26001	3/4"	1000	

**Duct Hangers**

**DDG3W Eye Bolt and Nut**

- 3/8"-16 x 2-1/2"
- 1/2" Thread length
- Zinc plated low carbon steel
- Working load limit: 144 lbs



Part #	Mfg #	Item #	Description	Price
181619	30220	DDG3W	100 per box	

**Wire Rope**

- Galvanized carbon steel



Part #	Mfg #	Size	Price
181611	30204-WC4	1/8" x 500'	

## Duct Fasteners

### Duct Adhesives

#### Iron-Grip™ 601

- For use on metal duct, glass fiber duct board, flex duct, duct fabric and flexible tubing runouts
- Indoor/outdoor use
- Water-based
- All pressure classes
- UL Classified



Part #	Mfg #	Size	Price
022827	304135	1 gal	

## Duct Fasteners

### Mastic Duct Sealants

#### Versa-Grip™ 181

- For use on metal duct, glass fiber duct board and flexible duct
- Indoor/outdoor use
- Water-based
- All pressure classes
- UL 181A-M/181B-M Listed



Part #	Mfg #	Size	Color	Price
124963	304138	1 gal	White	

#### Duct-Seal™ 321

- Indoor/outdoor use
- Water-based
- All pressure classes
- UL Classified



Part #	Mfg #	Size	Color	Price
125162	304156	1 gal	Gray	

#### Iron-Grip™ 601

- For use on metal duct, glass fiber duct board, flex duct, duct fabric and flexible tubing run outs
- Indoor/outdoor use
- Water-based
- All pressure classes
- UL Classified

1 Gallon



Part #	Mfg #	Size	Color	Price
124961	304137	11 oz		

### Duct Liner Adhesives

#### Coil-Tack™

- Formerly Glas-Grip 901
- Low tack, nonflammable, water-based insulation adhesive engineered for spray or extruding coil line applications
- Low-viscosity liquid
- Synthetic latex



Part #	Mfg #	Size	Color	Price
128234	308584	50 gal	Black	

### Travel-Tack™

- Portable insulation adhesive spray system
- Polymer-based aerosol spray
- Excellent water resistance



Part #	Mfg #	Description	Color	Price
125163	308599	15 oz Aerosol	VOC Clear	

### Damper Accessories

#### Kwiki Damper Regulator



Part #	Mfg #	Description	Price
125160	307963	Kwiki Damper Regulator	

**Duct Fasteners**

**Insulation Adhesives & Aerosol Products**

**Aerosol Cylinder Adhesive**

- Industrial grade spray adhesives
- Designed to bond duct liner
- Coverage Approx 100 sq ft / lb
- Free of V. O. C. & C. F. X
- Completely Self Contained & Portable
- Does not require outside support systems

Part #	Mfg #	Description	Price
138959	CNADACA40	40 lbs	

**Duct Sealants & Accessories**

**Buttertack Duct Sealant**

- Buttertack Sealant Applies Easily
- For best results apply over fiberglass membrane tape; allow to cure 48 to 72 hours before pressure check

Part #	Mfg #	Description	Price
160360	CNBT1DUCTSEAL	1 Gal. Can (4 Per CTN)	

**Pins & Clips**

**Pointer Weld Fastener**

- Thru Insulation
- Weld Fastener
- Flat or Cupped Heads
- The Premium Quality Weld Fastener
- 1000 Pack or Bulk CTN
- Sharp Laser Point

Part #	Mfg #	Description	Price
191759	CNLFCWF50B	1/2" 5000 CTN	

**Pinchers**

**Pincher Impact Fastener**

- The premium quality impact fastener
- 9 Ga.
- Approx 135" Dia
- Thru insulation impact fastener

Part #	Mfg #	Description	Price
193121	CNLFCMF50	1/2", 1000 Qty/CTN	
193190	CNLFCMF100	1", 1000 Qty/CTN	
193494	CNLFCMF50B	1/2", 5000 Qty/CTN	

**Vanes & Rails**

**Instant Vane Rail (IVR)**

- Designed for today's pre-formed single blade vanes
- Roll out, cut and use - no tabs, no special tools
- 3-1/2" wide rail or 2" radius vane
- 4-1/2" wide rail for 4-1/2" radius vane

Part #	Mfg #	Description	Price
191761	CAINRAIV4G	4-1/2" Galv, 100 FT/CTN	

**Pre-Formed Single Blade Vane**

- Hemmed Edges 22-24 Ga. Galv
- Packaged 10 Foot Sections
- 300 FT/CTN 2" R Vane
- 150 FT/CTN 4 1/2" R Vane

Part #	Mfg #	Description	Price
191764	CNRAV2G	2" x 10' Galv	

**Damper Hardware**

**Kwiki Regulator Sets**

**Kwiki Regulator Set K70**

- K70 Includes:
- 2 K708 Bearing
- 1 K704 Washer
- 1 K705 Handle
- 1 K706 Wing Nut

Part #	Mfg #	Description	Price
191762	CNDHK70	12/Bag, 144 CTN/QTY	

**Damper Quadrant Sets**

- 3/8" Quadrant Set includes: Q38, B38 and SB38
- 3/8" Quadrant Set is for dampers up to 20" Dia.
- 1/2" Quadrant Set includes RB12, Q12, and B12
- 1/2" Quadrant Set is for dampers up to 30" Dia.

Part #	Mfg #	Description	Price
191763	CNDHQS38	Reg 3/8", 100 Sets/CTN	

## Duct Fasteners

### Insulation Hangers

#### Stik-Pins

- *Self Adhesive Hanger*
- *Washers Supplied with Hangers*
- *12 GA. Pins (106" - 2.69 MM)*
- *For Aluminum Nails*
- *Larger Sizes Available Upon Requests*

Part #	Mfg #	Description	Price
193230	CNLFSP1250	1-1/4" 10/CTN	
193489	CNLFSP0750	3/4" 10/CTN	
196535	CNLFSP0750B	3/4" 1000/CTN	

### Flexible Duct Connector

#### Duct Connector Heavy Duty Commercial

- *3" Metal 3" Fabric 3" Metal*
- *24 GA. Galv*
- *"Flex-Loc" Seam*
- *Priced per 100 ft*

Part #	Mfg #	Description	Price
204543	CNCNN100	100' Neoflex 29 oz	

#### Duct Connector Light Industrial Duty Residential

- *1-3/4" Metal 3" Fabric 1-3/4" Metal*
- *28 GA. Galv*
- *"S-LOC" Seam*
- *Priced Per 100 Ft*

Part #	Mfg #	Description	Price
204546	CNCNRV100	100' Vinyon	

### Access Doors

#### Insulated Access Door for Metal Duct

- *1" Insulated door*
- *2" W.C.*
- *Hinge & cam latches are standard*

Part #	Mfg #	Description	Price
063441	DR CAD 8	8" x 8"	

## Duct Sealants

### Mastic Duct Sealants

#### #6 Mastic Fiber Seal

- *Low to high velocity air duct sealant*
- *Non-toxic adhesive-sealant for permanently sealing fabricated joints and seams of sheet metal air ducts, UL-181 listed rigid fiberglass air ducts, UL-181 listed flexible air ducts and thermal insulation*
- *Water-based and non-flammable*
- *High solid content*
- *Fiber reinforced*
- *Weather resistant*
- *Elastomeric*
- *City of Los Angeles Approval #RR820*



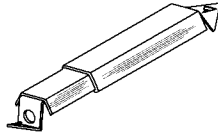
Part #	Mfg #	Size	Price
121139	106001	1 gal	





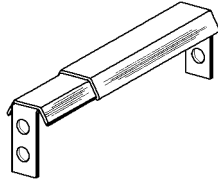
## Duct Hangers

### Basset Brackets - Galvanized Self-Nailing Galvanized Bracket



Part #	Mfg #	Description	Ctn Qty	Price
002244	A-150	12" to 19" Regular	50	
192533	A-125	12" to 19" Regular	25	
034448	E-125G	19" to 26" X-Long	25	

### "Tab" Galvanized Bracket



Part #	Mfg #	Description	Ctn Qty	Price
047447	AT-150	12" to 19" Regular	50	

### "Tab" Galvanized Bracket with Pre-Loaded Screws

Part #	Mfg #	Description	Ctn Qty	Price
103953	AT-S150	12" to 19" Regular	50	

### Pipe Hangers

- Installation of round 5" or 6" heating pipes

Part #	Mfg #	Carton Qty	Price
002245	BH-2	50/Box	

### Square Duct Hangers - Galvanized

- 18 Gauge

Part #	Mfg #	Size	Price
035563	BH-8	8"	
038070	BH39	9"	
125557	BH-10	10"	
111709	BH-11	11"	

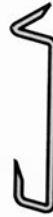
### Basset Straps Duct Strap



- For all square ducts running below the joists
- 18 Gauge galvanized steel

Part #	Mfg #	Qty	Price
002246	DS-3	100/Carton	

### Wire Duct Strap



Part #	Mfg #	Size	Ctn Qty	Price
038142	BAGWS412	12"	100	
192534	BAGWS49	9"	100	

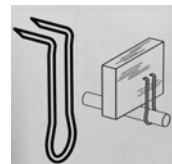
### Perforated Pipe Strap



Part #	Mfg #	Size	Ctn Qty	Price
190762	HANG3410GALV	3/4"x10"	100	
190763	HANG34100GALV	3/4"x100"	1	
190764	HANGPS101024C	3/4" x 10"	10	

### Hooks

#### Wire Pipe Hooks



Part #	Mfg #	Size	Ctn Qty	Price
190758	HANG126P	1/2" x 6"	50	
190759	HANG344P	3/4" x 4"	50	
190760	HANG346P	3/4" x 6"	50	
190761	HANG16P	1" x 6"	50	

**Flexible Duct**

**Class 1 Air Connectors**

**F090 Commercial Series Uninsulated Duct**

- *UL and CUL listed*
- *25' lengths*
- *Class 1 air connector*
- *High pressure, multi-ply metalized/polyester core, 16" W.C. positive, 1" negative (1/2" W.C. neg for 14" - 20" diameter)*
- *GREENGUARD Level 4 highly microbial resistant*
- *Double-ply, black polyester core, 12" W.C. positive, 1" negative (F010)*



Part #	Mfg #	Size	Price
222469	HCF0903	3" x 25'	
222473	HCF0904	4" x 25'	
222475	HCFF0905	5" x 25'	
222476	HCF0906	6" x 25'	
222474	HCFF09012	12" x 25'	

## Flexible Duct

### Insulated Flexible Duct

#### Silver Flex Duct

- Metallized polyester jacket reinforced with fiberglass scrim
- Double-ply, black polyester core 12" W.C. positive, 3/4" W.C. negative
- UL-listed
- R-8.0 (F218)  
R-4.2 (F214)  
R-6.0 (F216)
- Boxed
- 25' Length
- GREENGUARD level 4 highly microbial resistant



Part#	Mfg#	Model	Size	Price
222557	051035	F214	4" x 25'	
222558	051036	F214	5" x 25'	
222559	051037	F214	6" x 25'	
222560	051038	F214	7" x 25'	
222561	051039	F214	8" x 25'	
222562	051040	F214	9" x 25'	
222563	051041	F214	10" x 25'	
222564	051042	F214	12" x 25'	
222565	051043	F214	14" x 25'	
222566	051044	F214	16" x 25'	
222567	051045	F214	18" x 25'	
222568	051046	F214	20" x 25'	
222553	047308	F214	6" x 50'	
222555	047310	F214	8" x 50'	
222556	047312	F214	10" x 50'	
223808	051323	F216	4" x 25'	
223809	051324	F216	5" x 25'	
223811	051325	F216	6" x 25'	
223812	051326	F216	7" x 25'	
223813	051327	F216	8" x 25'	
223815	051328	F216	9" x 25'	
223816	051329	F216	10" x 25'	
223818	051330	F216	12" x 25'	
223819	051331	F216	14" x 25'	
223821	051332	F216	16" x 25'	
223823	051333	F216	18" x 25'	
224487	27825	F218	6" x 25'	
224482	27827	F218	8" x 25'	
224484	27829	F218	10" x 25'	
224485	27830	F218	12" x 25'	

### F114 Black Flex Duct

- Black polyethylene jacket
- R-4.2
- UL-listed
- Boxed or bagged (FB series)
- 25' and 50' lengths
- GREENGUARD Level 4 highly microbial resistant
- Double-ply, black polyester core 12" W.C. positive, 3/4" W.C. negative (1/2" W.C. neg for 14" - 20" diameter)



Part#	Mfg#	Model	Size	Price
222495	051001	F114	4" x 25'	
222496	051002	F114	5" x 25'	
223804	051003	F114	6" x 25'	
222497	051004	F114	7" x 25'	
223805	051005	F114	8" x 25'	
222498	051006	F114	9" x 25'	
222499	051007	F114	10" x 25'	
222500	051008	F114	12" x 25'	
222501	051009	F114	14" x 25'	
222502	051010	F114	16" x 25'	
222503	051011	F114	18" x 25"	
222504	051012	F114	20" x 25'	
223792	047301	F114	6" x 50'	
223793	047303	F114	8" x 50'	
223803	047305	F114	10" x 50'	

### F116 Black Flex Jacket

- Black polyethylene jacket
- Double-ply, black polyester core 12" W.C. positive, 3/4" W.C. negative
- R-6.0
- UL-listed
- Boxed or bagged (FB series)
- 25' and 50' lengths
- GREENGUARD Level 4 highly microbial resistant



Part#	Mfg#	Model	Size	Price
222510	051313	F116	6" x 25'	
222512	051315	F116	8" x 25'	
222514	051317	F116	10" x 25'	
222519	051318	F116	12" x 25'	
222515	051319	F116	14" x 25'	

**Flexible Duct**

**F118 Black Flex Duct**

- Black polyethylene jacket
- R-8.0
- UL-listed
- Boxed or bagged (FB series)
- 25' and 50' lengths
- Double-ply, black polyester core  
12" W.C. positive, 3/4" W.C. negative  
(1/2" W.C. neg for 14" - 20" diameter)
- GREENGUARD Level 4 highly microbial resistant



Part#	Mfg#	Model	Size	Price
222327	027814	F118	6" x 25'	
222329	027815	F118	7" x 25'	
222330	027816	F118	8" x 25'	
222332	027818	F118	10" x 25'	
222334	027819	F118	12" x 25'	
222336	027820	F118	14" x 25'	

**F104 Sleeve**

- Black polyethylene jacket
- R-4.2
- One starter cone per carton



Part#	Mfg#	Model	Size	Price
222479	HCF1044	F104	4" x 5'	
222480	HCF1045	F104	5" x 5'	
222481	HCF1046	F104	6" x 5'	
222482	HCF1047	F104	7" x 5'	
222483	HCF1048	F104	8" x 5'	
222484	HCF1049	F104	9" x 5'	
222486	HCF10412	F104	12" x 5'	
222487	HCF10414	F104	14" x 5'	
222488	HCF10416	F104	16" x 5'	
184152	HCF10410	F104	10" x 5'	

**F206 Silver Sleeve**

- Metallized polyester jacket
- UL-classified
- R-6.0
- 5' Length
- Starter cone included in each carton



Part#	Mfg#	Model	Size	Price
222545	HCF2066	F206	6" x 5'	
222543	HCF2064	F206	4" x 5'	
222544	HCF2065	F206	5" x 5'	
222546	HCF2067	F206	7" x 5'	

**Insulated Flexible Duct (Continued)**

**F206 Silver Sleeve**

Part#	Mfg#	Model	Size	Price
222547	HCF2068	F206	8" x 5'	
222548	HCF2069	F206	9" x 5'	
222549	HCF20610	F206	10" x 5'	
222550	HCF20612	F206	12" x 5'	
222551	HCF20614	F206	14" x 5'	
222552	HCF20616	F206	16" x 5'	

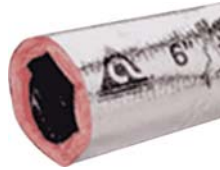
## Flexible Duct

### Insulated Flexible Duct - 30 Series

- Air-tight inner core - energy efficient, no fiberglass erosion into air stream
- Encapsulated wire helix, no unraveling when cut to length / quick installation
- Smooth inner core for low friction loss
- Thick blanket of fiberglass insulation
- Tough reinforced polyester jacket is tear and puncture resistant
- Lightweight compact carton reduces warehouse and job site handling cost
- Greenguard Indoor Air Quality Certified



#### R-4.2 Insulated Metallized Jacket - Class 1 Air Duct - UL181



Part #	Mfg #	Size	Price
060797	425MINFD	4" x 25'	
060798	525MINFD	5" x 25'	
060799	625MINFD	6" x 25'	
060800	725MINFD	7" x 25'	
060801	825MINFD	8" x 25'	
060803	1025MINFD	10" x 25'	
060804	1225MINFD	12" x 25'	
060805	1425MINFD	14" x 25'	
060807	1625MINFD	16" x 25'	
060808	1825MINFD	18" x 25'	
060809	2025MINFD	20" x 25'	
184167	650MINFD	6" x 50'	
184170	850MINFD	8" x 50'	
184173	1050MINFD	10" x 50'	

### Insulated Flexible Duct - 31 Series

- Air-tight inner core - energy efficient, no fiberglass erosion into air stream
- Encapsulated wire helix, no unraveling when cut to length / quick installation
- Smooth inner core for low friction loss
- Thick blanket of fiberglass insulation
- Tough reinforced polyester jacket is tear and puncture resistant
- Lightweight compact carton reduces warehouse and job site handling cost
- Greenguard Indoor Air Quality Certified



#### R8 Insulated Metallized Jacket- Class 1 Air Duct - UL 181



Part #	Mfg #	Size	Price
183939	R8425MINFD	4" x 25'	
183940	R8525MINFD	5" x 25'	
183942	R8625MINFD	6" x 25'	
183943	R8725MINFD	7" x 25'	
183944	R8825MINFD	8" x 25'	
183945	R8925MINFD	9" x 25'	
183946	R81025MINFD	10" x 25'	
183947	R81225MINFD	12" x 25'	
184174	R81425MINFD	14" x 25'	
184175	R81625MINFD	16" x 25'	

## Flexible Duct

### Insulated Flexible Duct - 70 Series

- Grey polyester vapor barrier air-tight inner core - energy efficient, no fiberglass erosion into air stream
- Encapsulated wire helix, no unraveling when cut to length / quick installation
- Smooth inner core for low friction loss
- Thick blanket of fiberglass insulation
- Tough reinforced polyester jacket is tear and puncture resistant
- Lightweight compact carton reduces warehouse and job site handling cost
- Greenguard Indoor Air Quality Certified



### R-4.2 Insulated Grey Jacket - Class 1 Air Duct - UL181



Part #	Mfg #	Size	Price
015419	425INFD	4" x 25'	
015542	525INFD	5" x 25'	
015713	625INFD	6" x 25'	
068880	650INFD	6" x 50'	
015762	725INFD	7" x 25'	
015843	825INFD	8" x 25'	
089317	850INFD	8" x 50'	
015962	925INFD	9" x 25'	
012325	1025INFD	10" x 25'	
013302	1225INFD	12" x 25'	
013585	1425INFD	14" x 25'	
013645	1625INFD	16" x 25'	
013698	1825INFD	18" x 25'	

### R-6.0 Insulated Grey Jacket - Class 1 Air Duct - UL181

Part #	Mfg #	Size	Price
091169	R6425INFD	4" x 25'	
091171	R6625INFD	6" x 25'	
091172	R6725INFD	7" x 25'	
091173	R6825INFD	8" x 25'	
091175	R61025INFD	10" x 25'	
091176	R61225INFD	12" x 25'	

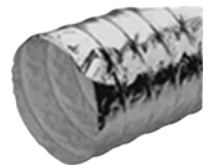
### R-8.0 Insulated - Grey Jacket - Class 1 Air Duct - UL181

Part #	Mfg #	Size	Price
097743	R8425INFD	4" x 25'	
101787	R8525INFD	5" x 25'	
097744	R8625INFD	6" x 25'	
097745	R8725INFD	7" x 25'	
097746	R8825INFD	8" x 25'	
097738	R81025INFD	10" x 25'	
097739	R81225INFD	12" x 25'	
097740	R81425INFD	14" x 25'	
097741	R81625INFD	16" x 25'	
097742	R81825INFD	18" x 25'	

### Aluminum Flex Duct

#### Uninsulated Flex Duct UL 181 Class 1 Air Duct

- Triple lamination of tough metallized polyester, aluminum foil and polyester
- Wire helix and forms meet requirements of NFPA



Part #	Mfg #	Size	Price
015420	425UNFD	4" x 25'	
015543	525UNFD	5" x 25'	
015714	625UNFD	6" x 25'	
015763	725UNFD	7" x 25'	
015844	825UNFD	8" x 25'	
012326	1025UNFD	10" x 25'	

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## Flexible Duct

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### Insulated Sleeves

#### Foil Sleeve



Part #	Mfg #	Size R-Value	Price
059879	010	4" x 5'	4.2
102025	010	5" x 5'	4.2
044535	010	6" x 5'	4.2
044534	010	7" x 5'	4.2
044533	010	8" x 5'	4.2
102924	010	10" x 5'	4.2
184177	R6INSULSLEEVE45	4" x 5"	6.0
184179	R6INSULSLEEVE65	6" x 5"	6.0
184182	R6INSULSLEEVE12	12" x 5"	6.0
097732	010	4" x 5'	8.0
097733	010	6" x 5'	8.0
097734	010	7" x 5'	8.0
097735	010	8" x 5'	8.0
171990	R8INSULSLEEVE105	10" x 5'	8.0
171991	R8INSULSLEEVE125	12" x 5'	8.0
172478	R8INSULSLEEVE145	14" x 5'	8.0

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**Galvanized Sheet Metal**

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**Galvanized Sheet Iron**

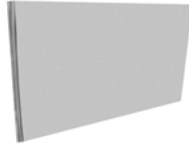
Part #	Gauge	Size	Price
010080	30ga	3' x 8'	
076485	28ga	2' x 8'	
010076	28ga	32" x 8'	
010077	28ga	3' x 8'	
010078	28ga	4' x 8'	
010074	26ga	3' x 8'	
010075	26ga	4' x 8'	
010072	22ga	3' x 8'	
010073	22ga	4' x 8'	





## Galvanized Sheet Metal

### Panning Material No. 48 Panning Material



Part #	Mfg #	Size	Price
179149	481735	16-1/2"(17) x 30	
179150	483235	32" x 35"	

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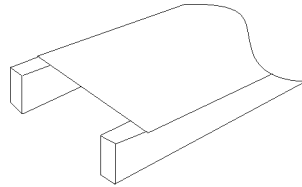
## Galvanized Sheet Metal

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### Galvanized Panning

#### Galv Joist Panning



Part #	Mfg #	Size	Price
011026	WA323UB161230	16-1/2" x 30"	
011027	WA323UB3330	33" x 30"	

**Oval Fittings**

**Galv Oval Pipe Fittings**

**Galv Oval 4-Piece Flat 90° Elbow**



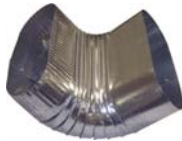
Part #	Mfg #	Size	Price
011313	WA502OF6	6"	

**Galv Oval 3-Piece Flat 45° Angle**



Part #	Mfg #	Size	Price
022270	WA503OF645	6"	

**Galv Oval 1-Piece Vertical 90° Elbow**



Part #	Mfg #	Size	Price
011312	WA502O690	6"	

**Galv Oval 1-Piece Vertical 45° Angle**



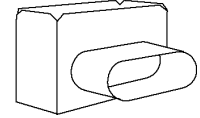
Part #	Mfg #	Size	Price
018218	WA503O645	6"	
034564	WA503O745	7"	

**Galv Oval Stackhead**



Part #	Mfg #	Size	Price
011319	WA507O6106	6" x 10" 6"	
045254	WA507O4127	4" x 12" x 7"	
233892	WA507O76147	14" x 6" x 7"	
171192	WA507O1266	12" x 6" x 6"	

**Galv 90° Oval Register Box**



Part #	Mfg #	Size	Price
011321	WA510O4106	4" x 10" - 6"	

**Galv 90° Round To Oval Boot**



Part #	Mfg #	Size	Price
011317	WA505O690	6"	
026509	WA505O790	7"	

**Galv Round To Oval Straight Boot**



Part #	Mfg #	Size	Price
011314	WA506O6	6" to 6"	
027404	WA506O7	7" to 7"	

**Galv Round To Oval End Boot**



Part #	Mfg #	Size	Price
011318	WA504O6	6"	
026511	WA504O7	7"	

**Galv Oval Start Collar**

Part #	Mfg #	Size	Price
022271	WA513SE6	6"	

**Galv Oval Pipe & Fittings**

**Galv 113" Oval Pipe**

Part #	Mfg #	Size	Price
046953	WA513O6113	6"	
046954	WA513O7113	7"	

## Oval Pipe & Fittings

### Oval Pipe

#### OVP113 113" Jt Oval Pipe

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179279	OVP1136	6" x 113"	
179280	OVP1137	7" x 113"	

### Oval Fittings

#### 106 Oval to Round Reverse (End) Boot

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179290	1066	6"	
179291	1067	7"	

#### 113 45° Flat Oval Angle (Broadway, Longway)

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179282	1136	6"	

#### 115 45° Vertical Oval Angle (Shortway)

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179277	1156	6"	
179278	1157	7"	

#### 114 90° Flat Oval Elbow (Broadway, Longway)

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179281	1146	6"	

#### 116 90° Vertical Oval Angle (Shortway)

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179276	1166	6"	

#### 124 Oval to Round 90° Boot

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179287	1246	6"	
179289	1247	7"	

#### 124R 90° Oval Register Boot

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179296	124R2126	2-1/4" x 12" x 6"	



## Oval Pipe & Fittings

### 127 Oval to Round Straight Boot

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179283	1276	6"	
179284	1277	7"	

### 127R Straight Oval Register Boot

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179293	127R2126	2-1/4" x 12" x 6"	

### 128 Oval to Oval Reverse (End) Boot

- 30 Gauge galvanized steel



Part #	Mfg #	Size	Price
179285	1286	6"	
179286	1287	7"	

### 110 Oval Stackhead



Part #	Mfg #	Size	Price
179292	1101066	10" x 6" x 6"	

## Plenum & Return Air Drops

### Return Air Products

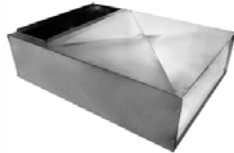
#### Return Air/Cold Air Package

- Package consists of
  - (1) #20 starting collar
  - (2) 30" duct sections
  - (1) return air plenum w/ 1" filter rack
  - (6) 10" drive straps



Part #	Mfg #	Size	Price
158632	810EC	20" x 16"	
158633	811EC	25" x 16"	
192672	811	25" x 16"	

#### Return Air Support Box with Filter Rack



Part #	Mfg #	Size	Return Duct Size	Price
193763	SBF36	36" x 26" x 15"	10"x25"	

#### Furnace Box

- 20 x 25 Filter
- 26 Gauge galvanized steel
- Fits most furnace sizes
- Easy access to filter for service
- Raises low profile furnace from ground



Part #	Mfg #	W x H x D	Price
193236	FB2428	24-3/4" x 28-1/2" x 18-1/2"	

## Plenum & Return Air Drops

### Galvanized Plenum & Return Air Drops

#### Galv Low Profile Cold Air Drop - Support Box

##### Complete Package - Return Air Pkg

Part #	Mfg #	Size	Price
012323	WA1020	20" x 10"	
012324	WA1225	25" x 10"	

#### Galv Cold Air Drop - Slant Back

##### Complete Package - Return Air Pkg

Part #	Mfg #	Size	Price
159015	WA289BRTT1625	16" x 25"	
159014	WA289BRTT1620	16" x 20"	

#### Galv Cold Air Drop - Slant Back with Filter

##### Complete Package - Return Air Pkg

Part #	Mfg #	Size	Price
159023	WA289KRTT2025	20" x 25" with 5" Filter	
055507	WA10251423RASK1	20" x 25" with 5" Right Angle Filter	

#### Galv Cold Air Drop - Slant

##### Complete Package - Return Air Pkg

Part #	Mfg #	Size	Price
159019	WA289KRTT1620	20" x 10"-20" x 16"	
159020	WA289KRTT1625	25" x 10"-25" x 16"	
159017	WA289KRTT1425	25" x 10"-25" x 14"	
159016	WA289KRTT1420	20" x 10"-20" x 14"	

#### Galv Cold Air Boot - Slant Heel

Part #	Mfg #	Size	Price
024302	WA189BRTT1620	16" x 20"	
024303	WA189BRTT1625	16" x 25"	

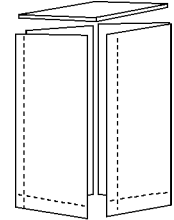
#### Galv Cold Air Boot - Slant Heel with Filter

Part #	Mfg #	Size	Price
059805	WA6172025AB	20" x 25" with 5" Filter	
055826	WA3911	20"x25", 5" R Angle Filter	

#### Galv Cold Air Boot - Square Heel

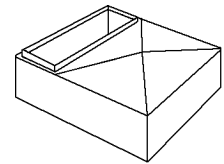
Part #	Mfg #	Size	Price
011254	WA6172016	16" x 20"	

### Galv Adjustable Plenum Top



Part #	Mfg #	Size	Price
008172	WATOP2323	23" x 23"	
008173	WATOP2626	26" x 26"	

### Galv Return Air Support Box



Part #	Mfg #	Description	Price
160421	WA6388NEW	32" Wide w/Filter Drawer	
160422	WA6402NEW	39" Wide w/Filter Drawer	

### Champion Return Air Drop with Duct Kit

- Side load return with 5" drawer

Part #	Mfg #	Size	Price
158638	WA3910CHAMPION	Side load w/ 5" Drawer	

### Plenums for Ruud Units

Part #	Mfg #	Size	Price
179541	WAPLENUMRUD1736	17-1/2" x 36"	
179542	WAPLENUMRUD2136	21" x 36"	



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## Plenum & Return Air Drops

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### Plenum

#### Plenum for Nordyne with Filter Drawer

Part #	Size	Price
120117	20.25" x 14.25" x 47"	
122818	20.25" x 17.5" x 47"	
122820	20.25" x 21" x 47"	
122821	20.25" x 24.5" x 47"	

#### Plenum for Ruud

Part #	Size	Price
116829	21" x 14" x 47"	
116830	21" x 17" x 47"	
116831	21" x 21" x 47"	
116832	21" x 24" x 47"	



**PVD/PVC Air Duct**

**Heat & Air Duct Pipe**



**Duct Pipe - Bell on One End**

Part #	Mfg #	Size	Price
031122	HA06P	6" x 10'	
031121	HA08P	8" x 10'	
031120	HA10P	10" x 10'	
031119	HA12P	12" x 10'	
031118	HA14P	14" x 10'	
031117	HA16P	16" x 10'	

**PVD/PVC Air Duct Fittings**

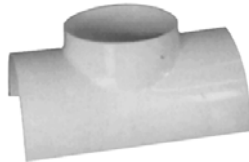
**Standard PVC Underground Air Duct Fittings**

**PVC Air Duct Tee**



Part #	Mfg #	Size	Price
058137	T888P	8" x 8" x 8"	

**PVC Air Duct Saddle Tee**



Part #	Mfg #	Size	Price
035155	S086P	8" x 6"	
035156	S106P	10" x 6"	

**PVC Air Duct 45° Elbow**



Part #	Mfg #	Size	Price
031169	L645P	6"	
031168	L845P	8"	
031167	L105P	10"	
031166	L125P	12"	

**PVC Air Duct 90° Elbow**



Part #	Mfg #	Size	Price
031163	L690P	6"	

**Standard PVC Underground Air Duct Fittings (Continued)**

**PVC Air Duct 90° Elbow**

Part #	Mfg #	Size	Price
031162	L890P	8"	
031161	L109P	10"	
031160	L129P	12"	

**PVC Air Duct Coupling**



Part #	Mfg #	Size	Price
031194	C600P	6"	
031193	C800P	8"	
031192	C100P	10"	
031191	C120P	12"	
031190	C140P	14"	

**PVC Duct Concentric Reducer**



Part #	Mfg #	Size	Price
031188	RC86P	8" x 6"	
031187	RC10P	10" x 6"	
031186	RC10P	10" x 8"	
031184	RC12P	12" x 10"	

**PVC Air Duct End Cap**



Part #	Mfg #	Size	Price
031179	EC60P	6"	
031178	EC80P	8"	
031177	EC10P	10"	
031176	EC12P	12"	

**PVD/PVC Air Duct Fittings**

**PVC Blackmax Duct Saddle Boot**



Part #	Mfg #	Size	Price
031199	BM4106	4" x 10" on 6" to 16" Pipe	
035174	BM4128-10	4" x 12" on 8" - 10" Pipe	
031198	BM4128	4" x 12" on 8" Pipe	



**Black Max PVC Underground Duct Fittings**

**PVC 90° Register Boot Box**

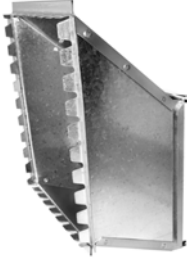


Part #	Mfg #	Size	Price
031205	B4106	4" x 10" x 6"	
031204	B4126	4" x 12" x 6"	

## Rectangular Collars

### Rectangular Collars

#### 23 Offset Collar



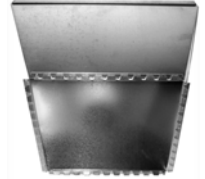
Part #	Mfg #	Size	Price
178788	2388	8" x 8"	
178789	23108	10" x 8"	
178790	23128	12" x 8"	
178791	23148	14" x 8"	
178792	23168	16" x 8"	
178793	23188	18" x 8"	
178794	23208	20" x 8"	
178795	23228	22" x 8"	
178796	23248	24" x 8"	
179231	231010	10" x 10"	
179232	231210	12" x 10"	
179233	231410	14" x 10"	
179234	231610	16" x 10"	
179235	231810	18" x 10"	
179219	232010	20" x 10"	
179230	232410	24" x 10"	
179003	232412	24" x 12"	

### Rectangular Collars (Continued)

#### 20 Straight Starting Collar

Part #	Mfg #	Size	Price
178969	202510	25" x 10"	

#### 23AT Transition Collar



Part #	Mfg #	Size	Price
178878	23AT128	12" x 8"	
178879	23AT148	14" x 8"	
178880	23AT168	16" x 8"	
178881	23AT188	18" x 8"	
179218	23AT2010	20" x 10"	
178882	23AT208	20" x 8"	
178883	23AT228	22" x 8"	
179005	23AT2410	24" x 10"	
179004	23AT2412	24" x 12"	
178884	23AT248	24" x 8"	
178885	23AT3010	30" x 10"	
178886	23AT308	30" x 8"	

#### 20 Straight Starting Collar

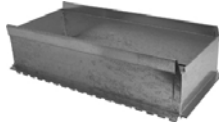


Part #	Mfg #	Size	Price
178797	2088	8" x 8"	
178798	20108	10" x 8"	
178799	20128	12" x 8"	
178800	20148	14" x 8"	
178801	20168	16" x 8"	
178802	20188	18" x 8"	
178803	20208	20" x 8"	
178804	20228	22" x 8"	
178805	20248	24" x 8"	
179131	201010	10" x 10"	
179132	202010	20" x 10"	

## Rectangular Fittings

### Galvanized Duct Collars

#### Galv Straight Starting Collar



Part #	Mfg #	Size	Price
010955	WA141SD2S88	8" x 8"	
010947	WA141SD2S108	10" x 8"	
010948	WA141SD2S128	12" x 8"	
010949	WA141SD2S148	14" x 8"	
010950	WA141SD2S168	16" x 8"	
010951	WA141SD2S188	18" x 8"	
010952	WA141SD2S208	20" x 8"	
046899	WA141SD2S2010	20" x 10"	
010953	WA141SD2S228	22" x 8"	
010954	WA141SD2S248	24" x 8"	
026677	WA141SD2S2510	25" x 10"	
224763	WA141SD2S308	30" x 8"	

### Galv Transition Takeoff Collar Center



Part #	Mfg #	Size	Price
011028	WA81CSD2R2S128	12" x 8"	
011029	WA81CSD2R2S148	14" x 8"	
011030	WA81CSD2R2S168	16" x 8"	
011031	WA81CSD2R2S188	18" x 8"	
011032	WA81CSD2R2S208	20" x 8"	
035899	WA81CSD2R2S2010	20" x 10"	
011033	WA81CSD2R2S228	22" x 8"	
011034	WA81CSD2R2S248	24" x 8"	
033651	WA81CSD2R2S2410	24" x 10"	
033650	WA81CSD2R2S2412	24" x 12"	
030893	WA81CSD2R2S308	30" x 8"	

### Galv Offset Takeoff Collar

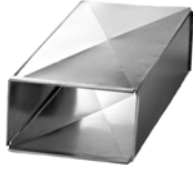


Part #	Mfg #	Size	Price
010946	WA151SD288	8" x 8"	
010938	WA151SD2108	10" x 8"	
010939	WA151SD2128	12" x 8"	
162192	WA151SD21210	12" x 10"	
010940	WA151SD2148	14" x 8"	
116860	WA151SD21410	14" x 10"	
010941	WA151SD2168	16" x 8"	
116861	WA151SD21610	16" x 10"	
010942	WA151SD2188	18" x 8"	
156107	WA151SD21810	18" x 10"	
010943	WA151SD2208	20" x 8"	
035900	WA151SD22010	20" x 10"	
010944	WA151SD2228	22" x 8"	
010945	WA151SD2248	24" x 8"	
033649	WA151SD2410	24" x 10"	
033648	WA151SD2412	24" x 12"	



## Rectangular Duct

### Rectangular Duct Trunk Duct



#### 60" Joint Length

Part #	Mfg #	Size	Price
179194	TD6088	8" x 8"	
179195	TD60108	10" x 8"	
179196	TD60128	12" x 8"	
179197	TD60148	14" x 8"	
179198	TD60168	16" x 8"	
179199	TD60188	18" x 8"	
179200	TD60208	20" x 8"	
179201	TD60228	22" x 8"	
179202	TD60248	24" x 8"	
179191	TD60268	26" x 8"	
179192	TD60288	28" x 8"	
179193	TD60308	30" x 8"	
179203	TD601010	10" x 10"	
179204	TD601210	12" x 10"	
179205	TD601410	14" x 10"	
179206	TD601610	16" x 10"	
179207	TD601810	18" x 10"	
179208	TD602010	20" x 10"	
194055	TD602210	22" x 10"	
179209	TD602410	24" x 10"	
179210	TD602510	25" x 10"	
179211	TD603010	30" x 10"	

#### 48" Joint Length

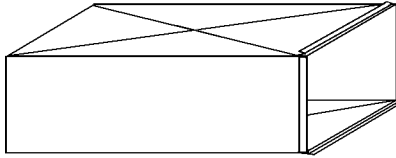
Part #	Mfg #	Size	Price
179188	TD482010	20" x 10"	
179186	TD482410	24" x 10"	
179187	TD482412	24" x 12"	

#### 30" Joint Length

Part #	Mfg #	Size	Price
179355	TD302510	25" x 10"	

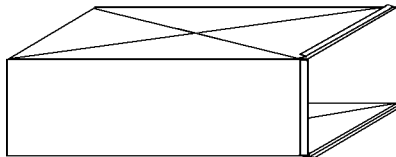
## Rectangular Duct

### Galvanized Duct Galv Duct 32" Button-Lock



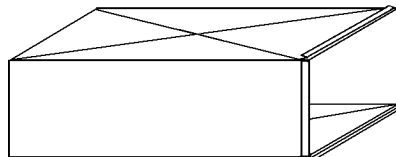
Part #	Mfg #	Size	Price
019920	WA125SD5201032	20" x 10"	
011021	WA125SD5251032	25" x 10"	

### Galv Duct 4' Button-Lock



Part #	Mfg #	Size	Price
035901	WA125SDR201048	20" x 10"	
033653	WA125SDR241048	24" x 10"	
033652	WA125SDR241248	24" x 12"	

### Galv Duct 5' Button-Lock



Part #	Mfg #	Size	Price
011025	WA125SD58860	8" x 8"	
011013	WA125SD510860	10" x 8"	
011014	WA125SD512860	12" x 8"	
011015	WA125SD514860	14" x 8"	
011016	WA125SD516860	16" x 8"	
011017	WA125SD518860	18" x 8"	
011018	WA125SD520860	20" x 8"	
011019	WA125SD522860	22" x 8"	
091621	WA125SDR221060	22" x 10"	
011020	WA125SD524860	24" x 8"	
062795	WA125SDR26860	26" x 8"	
062794	WA125SDR28860	28" x 8"	
110667	WA125SD530860	30" x 8"	
092658	WA125SDR121060	12" x 10"	
092657	WA125SDR141060	14" x 10"	
072107	WA125SDR161060	16" x 10"	
092627	WA125SDR181060	18" x 10"	
101661	WA125SDR201060	20" x 10"	

### Galvanized Duct (Continued) Galv Duct 5' Button-Lock

Part #	Mfg #	Size	Price
101662	WA125SDR251060	25" x 10"	
101605	WA125SD5301060	30" x 10"	

### Trunk Duct



Part #	Mfg #	Size	Price
177728	WA125SD510848	10"x8"x48"	
177732	WA125SD512848	12"x8"x48"	
177729	WA125SD514848	14"x8"x48"	
177739	WA125SD516848	16"x8"x48"	
177731	WA125SD518848	18"x8"x48"	
177734	WA125SD520848	20"x8"x48"	
177735	WA125SD522848	22"x8"x48"	
177736	WA125SD524848	24"x8"x48"	
159471	WA125SD5101060	10"x10"x60"	
159470	WA125SD5241060	24"x10"x60"	
152880	WA125SDR251260	25"x12"x60"	



## Rectangular Elbows

### Rectangular Fittings

#### 13 45° Flat (Broadway) Angle Radius Throat

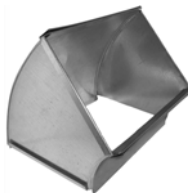


Part #	Mfg #	Size	Price
178858	1388	8" x 8"	
178859	13108	10" x 8"	
178860	13128	12" x 8"	
178861	13148	14" x 8"	
178862	13168	16" x 8"	
178863	13188	18" x 8"	
178864	13208	20" x 8"	
178865	13228	22" x 8"	
178866	13248	24" x 8"	
178867	13308	30" x 8"	
179265	131010	10" x 10"	
181829	131210	12" x 10"	
179266	131410	14" x 10"	
179267	131610	16" x 10"	
179268	131810	18" x 10"	
179269	132010	20" x 10"	
179270	132210	22" x 10"	
179271	132410	24" x 10"	
179272	133010	30" x 10"	

#### 13S 45° Flat (Broadway) Angle Square Throat

Part #	Mfg #	Size	Price
178652	13S1210	12" x 10"	
179225	13S2510	25" x 10"	

#### 15 45° Vertical (Shortway) Angle Radius Throat



Part #	Mfg #	Size	Price
178846	1588	8" x 8"	
178847	15108	10" x 8"	
178848	15128	12" x 8"	
178849	15148	14" x 8"	

### Rectangular Fittings (Continued)

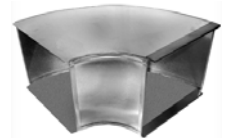
#### 15 45° Vertical (Shortway) Angle Radius Throat

Part #	Mfg #	Size	Price
178850	15168	16" x 8"	
178851	15188	18" x 8"	
178853	15208	20" x 8"	
178855	15228	22" x 8"	
178856	15248	24" x 8"	
178857	15308	30" x 8"	
179255	151010	10" x 10"	
179257	151210	12" x 10"	
179258	151410	14" x 10"	
179259	151610	16" x 10"	
179260	151810	18" x 10"	
179249	152010	20" x 10"	
179261	152210	22" x 10"	
179263	152410	24" x 10"	
179264	153010	30" x 10"	

#### 15S 45° Vertical (Shortway) Angle Square Throat

Part #	Mfg #	Size	Price
179224	15S2510	25" x 10"	

#### 14 90° Flat (Broadway) Elbow Radius Throat



Part #	Mfg #	Size	Price
178868	1488	8" x 8"	
178869	14108	10" x 8"	
178870	14128	12" x 8"	
178871	14148	14" x 8"	
178872	14168	16" x 8"	
178873	14188	18" x 8"	
178874	14208	20" x 8"	
178875	14228	22" x 8"	
178876	14248	24" x 8"	
178877	14308	30" x 8"	
179298	141010	10" x 10"	
179236	141210	12" x 10"	
179222	142510	25" x 10"	
179275	143010	30" x 10"	



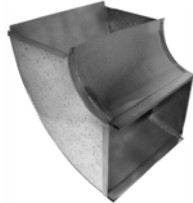


## Rectangular Elbows

### 14S 90° Flat (Broadway) Elbow Square Throat

Part #	Mfg #	Size	Price
180277	14S148	14" x 8"	
179243	14S1410	14" x 10"	
179244	14S1610	16" x 10"	
179245	14S1810	18" x 10"	
179246	14S2010	20" x 10"	
179247	14S2410	24" x 10"	
179248	14S2412	24" x 12"	

### 16 Vertical (Shortway) Elbow Radius Throat



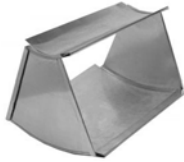
Part #	Mfg #	Size	Price
178835	1688	8" x 8"	
178836	16108	10" x 8"	
178837	16128	12" x 8"	
178838	16148	14" x 8"	
178839	16168	16" x 8"	
178840	16188	18" x 8"	
178841	16208	20" x 8"	
178842	16228	22" x 8"	
178843	16248	24" x 8"	
178845	16308	30" x 8"	
181831	161010	10" x 10"	
181830	161210	12" x 10"	
179274	163010	30" x 10"	

### 16S Vertical (Shortway) Elbow Square Throat

Part #	Mfg #	Size	Price
179237	16S1410	14" x 10"	
179238	16S1610	16" x 10"	
179239	16S1810	18" x 10"	
179240	16S2010	20" x 10"	
179241	16S2410	24" x 10"	
179221	16S2510	25" x 10"	
179242	16S2412	24" x 12"	

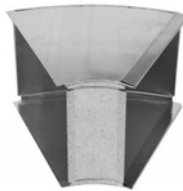
**Rectangular Fittings**

**Galvanized Duct Elbows**  
**Galv 45° Vertical Shortway Angle**



Part #	Mfg #	Size	Price
010995	WA121SDR2S88	8" x 8"	
010988	WA121SDR2S108	10" x 8"	
010989	WA121SDR2S128	12" x 8"	
150760	WA121SDR2S1210	12" x 10"	
010990	WA121SDR2S148	14" x 8"	
150759	WA121SDR2S1410	14" x 10"	
010991	WA121SDR2S168	16" x 8"	
150758	WA121SDR2S1610	16" x 10"	
010992	WA121SDR2S188	18" x 8"	
150756	WA121SDR2S1810	18" x 10"	
010993	WA121SDR2S208	20" x 8"	
145238	WA121SDR2S2010	20" x 10"	
048613	WA121SDR2S228	22" x 8"	
010994	WA121SDR2S248	24" x 8"	
075912	WA121SDR2S2410	24" x 10"	
133193	WA121SD2S2510	25" x 10"	
150755	WA121SDR2S3010	30" x 10"	

**Galv 45° Horizontal Longway Angle**



Part #	Mfg #	Size	Price
046407	WA123SDR2S88	8" x 8"	
010996	WA123SDR2S108	10" x 8"	
010997	WA123SDR2S128	12" x 8"	
150741	WA123SDR2S1210	12" x 10"	
010998	WA123SDR2S148	14" x 8"	
150742	WA123SDR2S1410	14" x 10"	
010999	WA123SDR2S168	16" x 8"	
150743	WA123SDR2S1610	16" x 10"	
011000	WA123SDR2S188	18" x 8"	
150744	WA123SDR2S1810	18" x 10"	
011001	WA123SDR2S208	20" x 8"	
150745	WA123SDR2S2010	20" x 10"	
011002	WA123SDR2S228	22" x 8"	

**Galvanized Duct Elbows (Continued)**  
**Galv 45° Horizontal Longway Angle**

Part #	Mfg #	Size	Price
011003	WA123SDR2S248	24" x 8"	
133195	WA123SD2S2510	25" x 10"	
108604	WA123SDR2S308	30" x 8"	
150747	WA123SDR2S3010	30" x 10"	

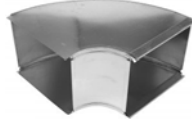
**Galv 90° Vertical Shortway Elbow with Mitered Throat**



Part #	Mfg #	Size	Price
091104	WA120SD2S8822	8" x 8"	
091103	WA120SD2S10822	10" x 8"	
091105	WA120SD2S12822	12" x 8"	
091106	WA120SD2S14822	14" x 8"	
091119	WA120SD2S141022	14" x 10"	
091107	WA120SD2S16822	16" x 8"	
091120	WA120SD2S161022	16" x 10"	
091113	WA120SD2S18822	18" x 8"	
091121	WA120SD2S181022	18" x 10"	
091114	WA120SD2S20822	20" x 8"	
091122	WA120SD2S201022	20" x 10"	
091115	WA120SD2S22822	22" x 8"	
091116	WA120SD2S24822	24" x 8"	
091123	WA120SD2S241022	24" x 10"	
091124	WA120SD2S241222	24" x 12"	
133190	WA120SD251022	25" x 10"	
010987	WA120SDR2S88	8" x 8"	
010979	WA120SDR2S108	10" x 8"	
010980	WA120SDR2S128	12" x 8"	
164729	WA120SDR2S1210	12" x 10"	
010981	WA120SDR2S148	14" x 8"	
164730	WA120SDR2S1410	14" x 10"	
010982	WA120SDR2S168	16" x 8"	
164731	WA120SDR2S1610	16" x 10"	
010983	WA120SDR2S188	18" x 8"	
164732	WA120SDR2S1810	18" x 10"	
010984	WA120SDR2S208	20" x 8"	
164733	WA120SDR2S2010	20" x 10"	
010985	WA120SDR2S228	22" x 8"	
010986	WA120SDR2S248	24" x 8"	
091117	WA120SDR2S308	30" x 8"	

## Rectangular Fittings

### Galv 90° Horizontal Longway Elbow with Mitered Throat



Part #	Mfg #	Size	Price
091127	WA122SD2S8822	8" x 8"	
091128	WA122SD2S10822	10" x 8"	
091129	WA122SD2S12822	12" x 8"	
091130	WA122SD2S14822	14" x 8"	
091136	WA122SD2S141022	14" x 10"	
091131	WA122SD2S16822	16" x 8"	
091137	WA122SD2S161022	16" x 10"	
091132	WA122SD2S18822	18" x 8"	
091138	WA122SD2S181022	18" x 10"	
091133	WA122SD2S20822	20" x 8"	
091139	WA122SD2S201022	20" x 10"	
091134	WA122SD2S22822	22" x 8"	
091135	WA122SD2S24822	24" x 8"	
091141	WA122SD2S241222	24" x 12"	
011012	WA122SDR2S88	8" x 8"	
011004	WA122SDR2S108	10" x 8"	
011005	WA122SDR2S128	12" x 8"	
164735	WA122SDR2S1210	12" x 10"	
011006	WA122SDR2S148	14" x 8"	
164736	WA122SDR2S1410	14" x 10"	
011007	WA122SDR2S168	16" x 8"	
164737	WA122SDR2S1610	16" x 10"	
011008	WA122SDR2S188	18" x 8"	
164738	WA122SDR2S1810	18" x 10"	
011009	WA122SDR2S208	20" x 8"	
164739	WA122SDR2S2010	20" x 10"	
011010	WA122SDR2S228	22" x 8"	
011011	WA122SDR2S248	24" x 8"	
133192	WA122SDR2S2510	25" x 10"	
108605	WA122SDR2S308	30" x 8"	

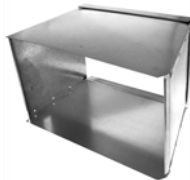
## Rectangular Miscellaneous

### Reducers 35 Duct Reducer



Part #	Mfg #	Size	Price
179608	352	0-2"	
179609	354	0-4"	
181987	356	0-6"	
181988	358	0-8"	
178887	35210	10"/0-2"	
178888	35410	10"/0-4"	
178889	35610	10"/0-6"	
178890	35810	10"/0-8"	

### 17 Duct Transition



Part #	Mfg #	Size	Price
179220	172010208	20" x 10"	
179007	172410248	24" x 10"	
179006	172412248	24" x 12"	

### Caps 21 End Cap



Part #	Mfg #	Size	Price
178891	2188	8" x 8"	
178892	21108	10" x 8"	
197516	211010	10" x 10"	
178893	21128	12" x 8"	
178894	21148	14" x 8"	
178895	21168	16" x 8"	
178896	21188	18" x 8"	
197511	211810	18" x 10"	

### Caps (Continued) 21 End Cap

Part #	Mfg #	Size	Price
178897	21208	20" x 8"	
178898	21228	22" x 8"	
178899	21248	24" x 8"	
178900	21308	30" x 8"	
179250	211210	12" x 10"	
179251	212010	20" x 10"	
194620	212210	22" x 10"	
179252	212410	24" x 10"	
179148	212510	25" x 10"	

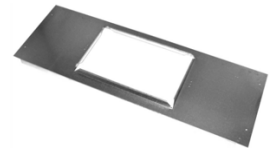
### Register Frames

#### 31 Return Air Frame



Part #	Mfg #	Size	Price
179102	31146	14" x 6"	
179103	31246	24" x 6"	
179104	31306	30" x 6"	

#### 31PF Plaster Frame



Part #	Mfg #	Size	Price
179105	31PF16410	F/16", 4" x 10"	
179106	31PF16412	F/16", 4" x 12"	
179107	31PF410	F/24", 4" x 10"	
179109	31PF412	F/24", 4" x 12"	

#### Filter Rack



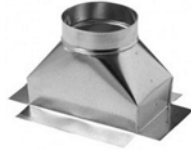
Part #	Mfg #	Size	Price
178978	FR1620	16" x 20" x 1"	
178968	FR1625	16" x 25" x 1"	



## Rectangular Miscellaneous

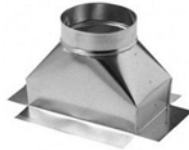
### Boots

#### 51FCRD Straight Ext Boot w/Flange & Ceiling Radiation Damper



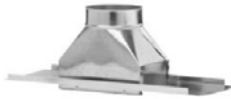
Part #	Mfg #	Size	Price
226531	51FCRD	4" x 12" x 6"	

#### 51F Straight Ceiling Box w/ Flange



Part #	Mfg #	Size	Price
194003	51F244106	4" x 10" x 6"	

#### 51P Straight Ceiling Box with Plate



Part #	Mfg #	Size	Price
193689	51P4106	4" x 10" x 6"	
243893	51P141410	14" x 14" x 10"	

#### 59P Boot w/ Plate

Part #	Mfg #	Size	Price
193690	59P4106	4" x 10" x 6"	
179212	59P4126	4" x 12" x 6"	

### Outlets & Boxes

#### 90° Ceiling Box w/ Flange



Part #	Mfg #	Size	Price
194006	59F244106	4" x 10" x 6"	
194007	59F244126	4" x 12" x 6"	
194008	59F244127	4" x 12" x 7"	
195620	59F4128	4" x 12" x 8"	

#### 90° Extension Boot w/ Flange & Ceiling Radiation Damper



Part #	Mfg #	Size	Price
196379	59FCRD4127	4" x 12" x 7"	

### 'S' & Drive Cleats

#### S Clip



Part #	Mfg #	Size	Price
179181	3760	60" with 1/2" Leg	
179174	6S60	60"	
192605	6S120	120"	

#### Drive Clips

Part #	Mfg #	Size	Price
179175	8D8	8"	
179176	8D10	10"	
179177	8D12	12"	
179178	8D60	60"	

#### Drive Cleats



Part #	Mfg #	Size	Price
179173	37120	120" Rigid S-Cleat, 1/2" Leg	
192604	13512026	1" x 10"	
192606	8D	120"	



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## Rectangular Miscellaneous

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### Mounting Rails



Part #	Mfg #	Size	Price
193110	MR24	24"	

## Rectangular Fittings

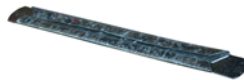
### Galvanized Duct Fittings

#### Galv Duct End Cap



Part #	Mfg #	Size	Price
011049	WA187SETSD88	8" x 8"	
011040	WA187SETSD108	10" x 8"	
011041	WA187SETSD128	12" x 8"	
145671	WA187SETSD1210	12" x 10"	
011042	WA187SETSD148	14" x 8"	
164414	WA187SETSD1410	14" x 10"	
011043	WA187SETSD168	16" x 8"	
245461	WA187SETSD1610	16" x 10"	
011044	WA187SETSD188	18" x 8"	
011045	WA187SETSD208	20" x 8"	
011046	WA187SETSD228	22" x 8"	
011047	WA187SETSD248	24" x 8"	
011048	WA187SETSD308	30" x 8"	
240217	WA187SETSD3010	30" x 10"	
111958	WA187SETSD2010	20" x 10"	
109319	WA187SETSD2410	24" x 10"	
035597	WA187SETSD2510	25" x 10"	

#### Galv Drive Cleat



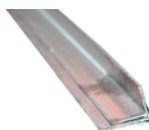
Part #	Mfg #	Size	Price
011170	WADRIVE8	8"	
011168	WADRIVE10	10"	
022826	WADRIVE12	12"	
011169	WADRIVE60	60"	

#### Galv Flat S-Cleat



Part #	Mfg #	Size	Price
011166	WA32460	60"	

#### Galv Standing S-Cleat



Part #	Mfg #	Size	Price
011163	WA32412S60	60"	

### Galvanized Duct Fittings (Continued)

#### Galv Standing S-Cleat

Part #	Mfg #	Size	Price
011162	WA3241S120	120"	
227015	WA32412S120	120"	

#### Galv Plaster Frame - Rectangular

Part #	Mfg #	Size	Price
096773	WAPF10416	4" x 10" - 16" On Center	
096774	WAPF41216	4" x 12" - 16" On Center	
096775	WAPF41024	4" x 10" - 24" On Center	
096776	WAPF412	4" x 12" - 24" On Center	
011256	WACAF146	6" x 14"	
026392	WACAF246	6" x 24"	
011257	WACAF306	6" x 30"	

#### Galv Plaster Frame - Round

Part #	Mfg #	Size	Price
102571	WA61860	60"	

#### Galv Filter Rack



Part #	Mfg #	Size	Price
036258	WA189FR1620	16" x 20" x 1"	
029512	WA189FR1625	16" x 25" x 1"	
112204	WA189FR2025	20" x 25" x 1"	
011124	WA189FR4WD1620	16" x 20" x 6"	
018112	WA189FR4WD1625	16" x 25" x 6"	
041202	WA189FR4WD2025	20" x 25" x 6"	
154847	WA89FRF1625	16" x 25"	

#### Galv Trunk Reducer



Part #	Mfg #	Size	Price
035902	WA190SD2010	20" x 10"-20" x 8"	
033647	WA190SD2410248	24" x 10"-24" x 8"	
033654	WA190SD2412248	24" x 12"-24" x 8"	

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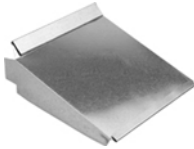
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## Rectangular Fittings

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### Galv Reducer



Part #	Mfg #	Size	Price
166231	WA200SD02	0-2"	
166233	WA200SD04	0-4"	
166234	WA200SD06	0-6"	
166235	WA200SD08	0-8"	
166236	WA200SD1002	10" / 0-2"	
166237	WA200SD1004	10" / 0-4"	

### Solid Strap



Part #	Mfg #	Size	Price
164714	WASOLID110026	1" x 100'	





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## Rectangular Fittings

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### Speedi-Boot™ Boot Hanger

- Telescoping arms
- Dust and debris cover
- Air tight gasket
- Rigid mud-ring and galvanized frame



Part #	Mfg #	Size	Price
080008	SBH-410	4" x 10"	
080009	SBH-412	4" x 12"	

## Round Boots

### Round Boots

#### 24R 90° Register Boot



Part #	Mfg #	Size	Price
187966	24R2104	2-1/4" x 10" x 4"	
179047	24R2105	2-1/4" x 10" x 5"	
179048	24R2106	2-1/4" x 10" x 6"	
179049	24R2125	2-1/4" x 12" x 5"	
179046	24R2126	2-1/4" x 12" x 6"	
179050	24R2127	2-1/4" x 12" x 7"	
179051	24R2146	2-1/4" x 14" x 6"	
179052	24R2147	2-1/4" x 14" x 7"	
179216	24R486	4" x 8" x 6"	
179053	24R4104	4" x 10" x 4"	
179054	24R4105	4" x 10" x 5"	
179055	24R4106	4" x 10" x 6"	
179056	24R4107	4" x 10" x 7"	
179057	24R4125	4" x 12" x 5"	
179058	24R4126	4" x 12" x 6"	
179059	24R4127	4" x 12" x 7"	
179060	24R4128	4" x 12" x 8"	
179061	24R4146	4" x 14" x 6"	
179062	24R4147	4" x 14" x 7"	
179063	24R4148	4" x 14" x 8"	
179064	24R6106	6" x 10" x 6"	
179065	24R6107	6" x 10" x 7"	
192616	24R6108	6" x 10" x 8"	
192614	24R6126	6" x 12" x 6"	
179066	24R6127	6" x 12" x 7"	
179067	24R6128	6" x 12" x 8"	
192615	24R6146	6" x 14" x 6"	
192617	24R6147	6" x 14" x 7"	
179068	24R6148	6" x 14" x 8"	

#### 27R Straight Register Boot



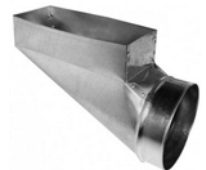
Part #	Mfg #	Size	Price
179024	27R2105	2-1/4" x 10" x 5"	
179025	27R2106	2-1/4" x 10" x 6"	

### Round Boots (Continued)

#### 27R Straight Register Boot

Part #	Mfg #	Size	Price
179026	27R2125	2-1/4" x 12" x 5"	
179027	27R2126	2-1/4" x 12" x 6"	
179028	27R2146	2-1/4" x 14" x 6"	
179029	27R2147	2-1/4" x 14" x 7"	
179030	27R4104	4" x 10" x 4"	
179031	27R4105	4" x 10" x 5"	
179032	27R4106	4" x 10" x 6"	
179033	27R4107	4" x 10" x 7"	
179034	27R4126	4" x 12" x 6"	
179035	27R4127	4" x 12" x 7"	
179036	27R4128	4" x 12" x 8"	
179037	27R4146	4" x 14" x 6"	
179039	27R4147	4" x 14" x 7"	
179040	27R4148	4" x 14" x 8"	
179041	27R6106	6" x 10" x 6"	
192609	27R6107	6" x 10" x 7"	
192610	27R6108	6" x 10" x 8"	
179042	27R6126	6" x 12" x 6"	
179043	27R6127	6" x 12" x 7"	
179044	27R6128	6" x 12" x 8"	
192611	27R6146	6" x 14" x 6"	
192612	27R6147	6" x 14" x 7"	
179045	27R6148	6" x 14" x 8"	

#### 28R Center End Register Boot



Part #	Mfg #	Size	Price
187967	28R2105	2-1/4" x 10" x 4"	
179069	28R2105	2-1/4" x 10" x 5"	
179070	28R2106	2-1/4" x 10" x 6"	
179071	28R2125	2-1/4" x 12" x 5"	
179072	28R2126	2-1/4" x 12" x 6"	
178655	28R2127	2-1/4" x 12" x 7"	
179073	28R2146	2-1/4" x 14" x 6"	
179130	28R4104	4" x 10" x 4"	
179074	28R4105	4" x 10" x 5"	
179075	28R4106	4" x 10" x 6"	
192618	28R4107	4" x 10" x 7"	
179076	28R4126	4" x 12" x 6"	



## Round Boots

### Round Boots (Continued)

#### 28R Center End Register Boot

Part #	Mfg #	Size	Price
179077	28R4127	4" x 12" x 7"	
179078	28R4128	4" x 12" x 8"	
179079	28R4146	4" x 14" x 6"	
179080	28R4147	4" x 14" x 7"	
179081	28R4148	4" x 14" x 8"	
179082	28R6106	6" x 10" x 6"	
192627	28R6128	6" x 12" x 8"	
192629	28R6148	6" x 14" x 8"	

#### 24RWE 90° Basement Head Boot



Part #	Mfg #	Size	Price
181406	24RWE4106	4" x 10" x 6"	
179126	24RWE6106	6" x 10" x 6"	

#### 28RR Right End Register Boot



Part #	Mfg #	Size	Price
179092	28RR2106	2-1/4" x 10" x 6"	
179093	28RR2126	2-1/2" x 12" x 6"	
179094	28RR2127	2-1/4" x 12" x 7"	
179095	28RR2146	2-1/4" x 14" x 6"	
179096	28RR4105	4" x 10" x 5"	
179097	28RR4106	4" x 10" x 6"	
179098	28RR4126	4" x 12" x 6"	
179099	28RR4127	4" x 12" x 7"	

#### 28RL Left End Register Boot



Part #	Mfg #	Size	Price
193525	28RL2105	2-1/4" x 10" x 5"	
179083	28RL2106	2-1/4" x 10" x 6"	
179084	28RL2126	2-1/2" x 12" x 6"	
179085	28RL2127	2-1/4" x 12" x 7"	
179087	28RL2146	2-1/4" x 14" x 6"	
179088	28RL4105	4" x 10" x 5"	
179089	28RL4106	4" x 10" x 6"	
179090	28RL4126	4" x 12" x 6"	
179091	28RL4127	4" x 12" x 7"	

**Round Fittings**

**Galvanized Register Boots**

**Galv Straight Back Register Boot**



Part #	Mfg #	Size	Price
011187	WA110R214105	2-1/4" x 10"-5"	
011188	WA110R214106	2-1/4" x 10"-6"	
011189	WA110R214125	2-1/4" x 12"-5"	
011190	WA110R214126	2-1/4" x 12"-6"	
011192	WA110R214146	2-1/4" x 14"-6"	
101809	WA110R4104	4" x 10"-4"	
011194	WA110R4105	4" x 10"-5"	
011195	WA110R4106	4" x 10"-6"	
011196	WA110R4107	4" x 10"-7"	
011197	WA110R4126	4" x 12"-6"	
011198	WA110R4127	4" x 12"-7"	
019300	WA110R4128	4" x 12"-8"	
011199	WA110R4146	4" x 14"-6"	
011200	WA110R4147	4" x 14"-7"	
011201	WA110R4148	4" x 14"-8"	
011202	WA110R6106	6" x 10"-6"	
011203	WA110R6126	6" x 12"-6"	
011204	WA110R6127	6" x 12"-7"	
011205	WA110R6128	6" x 12"-8"	
011206	WA110R6148	6" x 14"-8"	

**Galv Register Boot 90° Angle**



Part #	Mfg #	Size	Price
011208	WA113R214105	2-1/4" x 10"-5"	
011209	WA113R214106	2-1/4" x 10"-6"	
011210	WA113R214125	2-1/4" x 12"-5"	
011211	WA113R214126	2-1/4" x 12"-6"	
011212	WA113R214127	2-1/4" x 12"-7"	
011213	WA113R214146	2-1/4" x 14"-6"	
101807	WA113R4104	4" x 10"-4"	
011215	WA113R4105	4" x 10"-5"	
011216	WA113R4106	4" x 10"-6"	
011217	WA113R4107	4" x 10"-7"	
011218	WA113R4126	4" x 12"-6"	

**Galvanized Register Boots (Continued)**

**Galv Register Boot 90° Angle**

Part #	Mfg #	Size	Price
011219	WA113R4127	4" x 12"-7"	
011220	WA113R4128	4" x 12"-8"	
011221	WA113R4146	4" x 14"-6"	
011222	WA113R4147	4" x 14"-7"	
011223	WA113R4148	4" x 14"-8"	
011224	WA113R6106	6" x 10"-6"	
011226	WA113R6127	6" x 12"-7"	
011227	WA113R6128	6" x 12"-8"	
011228	WA113R6148	6" x 14"-8"	

**Galv Register End Boot - Center**



Part #	Mfg #	Size	Price
011229	WA112R214105	2-1/4" x 10"-5"	
011230	WA112R214106	2-1/4" x 10"-6"	
011231	WA112R214125	2-1/4" x 12"-5"	
011232	WA112R214126	2-1/4" x 12"-6"	
011233	WA112R214127	2-1/4" x 12"-7"	
011234	WA112R214146	2-1/4" x 14"-6"	
101808	WA112R4104	4" x 10"-4"	
159446	WA112R4107	4" x 10"-7"	
011236	WA112R4105	4" x 10"-5"	
011237	WA112R4106	4" x 10"-6"	
011238	WA112R4126	4" x 12"-6"	
011239	WA112R4127	4" x 12"-7"	
056085	WA112R4128	4" x 12"-8"	
011240	WA112R4146	4" x 14"-6"	
011241	WA112R4147	4" x 14"-7"	
011242	WA112R4148	4" x 14"-8"	

**Galv Register End Boot Left**



Part #	Mfg #	Size	Price
011243	WA112RL214106	2-1/4" x 10"-6"	
011245	WA112RL214126	2-1/4" x 12"-6"	
101886	WA112RL214127	2-1/4" x 12"-7"	
101888	WA112RL4105	4" x 10"-5"	

## Round Fittings

### Galvanized Register Boots (Continued)

#### Galv Register End Boot Left

Part #	Mfg #	Size	Price
011247	WA112RL4106	4" x 10"-6"	
011248	WA112RL4126	4" x 12"-6"	
025227	WA112RL4127	4" x 12"-7"	

#### Galv Register End Boot Right



Part #	Mfg #	Size	Price
011249	WA112RR214106	2-1/4" x 10"-6"	
011250	WA112RR214126	2-1/4" x 12"-6"	
101887	WA112RR214127	2-1/4" x 12"-7"	
101889	WA112RR4105	4" x 10"-5"	
011252	WA112RR4106	4" x 10"-6"	
011253	WA112RR4126	4" x 12"-6"	
025228	WA112RR4127	4" x 12"-7"	

#### Galv Basement Boot with Wings



Part #	Mfg #	Size	Price
125132	WA113BRB16E410 6	4" x 10"-6"	
058646	WA113BRB6106	6" x 10"-6"-16" On Center	

#### Galv Register Boot with Frame



Part #	Mfg #	Size	Price
225533	WA113RCF241246	4" x 12"-6" w/ 24" Frame	
129228	WA113RCP164106	4" x 10"-6" with 16" Frame	
132359	WA113RCP4126	4" x 12"-6" with 24" Frame	
166250	WA113RPF4106	4"x10" 6" w/Plaster Frame	
035596	WA113RPF181246	4" x 12"-6" w/ 18" Frame	

### Galv Toe Kick Boot

Part #	Mfg #	Size	Price
111509	WATKB2126	2-1/4" x 12" -6"	

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## Round Fittings

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### Galvanized Collars

#### 1149CR Long Collar



Part #	Mfg #	Size	Price
061493	70506200	4"	
011273	70506600	5"	
011274	70507000	6"	
011275	70507400	7"	
011276	70507800	8"	

#### 1149CD Long Collar with Damper



Part #	Mfg #	Size	Price
061488	70511000	6"	
061489	70511400	7"	
061490	70511800	8"	
061491	70512600	10"	
061492	70513000	12"	



## Round Collars

### Round Collars

#### Air-Tite Flat Takeoff Collar

- Hot dipped galvanized steel
- 4 pre-drilled screw holes
- Pressure rating: +/- 4" w.g.



Part #	Mfg #	Size	Price
194039	ATT7	7"	
194040	ATT10	10"	
194621	ATT12	12"	
195240	ATT14	14"	
195241	ATT16	16"	

#### AT90 Air-Tite Takeoff Collar

- 90° Bend



Part #	Mfg #	Size	Price
195256	AT908	8"	

#### 97LS Long Style Flat Collar



Part #	Mfg #	Size	Price
178996	97LS4	4"	
178997	97LS5	5"	
178998	97LS6	6"	
178999	97LS7	7"	
179000	97LS8	8"	
179001	97LS10	10"	
179002	97LS12	12"	
178975	97LS14	14"	
179128	97LS16	16"	

#### 97LSWD Long Style Flat Collar with Damper



Part #	Mfg #	Size	Price
178994	97LSWD4	4"	
178995	97LSWD6	6"	
181932	97LSWD8	8"	

#### 97 Start Collar

- Crimped



Part #	Mfg #	Size	Price
178809	973	3"	
178810	974	4"	
178811	975	5"	
178812	976	6"	
178813	977	7"	
178814	978	8"	
178815	979	9"	
178816	9710	10"	
178817	9712	12"	
178818	9714	14"	
178819	9716	16"	
178820	9718	18"	
178821	9720	20"	
214884	9722	22"	
214747	9724	24"	

#### 97NC Start Collar

- No Crimp

Part #	Mfg #	Size	Price
178822	973NC	3"	
178824	974NC	4"	
178825	975NC	5"	
178826	976NC	6"	
178827	977NC	7"	
178829	978NC	8"	
178830	979NC	9"	
178831	9710NC	10"	
178832	9712NC	12"	
178833	9714NC	14"	
178834	9716NC	16"	

## Round Collars

### 97FG Ductboard Spin Collar



Part #	Mfg #	Size	Price
179142	97FG6	6"	
179144	97FG7	7"	
179145	97FG8	8"	
179146	97FG10	10"	

### 1051 Short Collar with Hub

Part #	Mfg #	Size	Price
232691	10514	4"	
232692	10515	5"	
219782	10516	6"	
232641	10517	7"	
223039	10518	8"	
232693	10519	9"	
223040	105110	10"	
223041	105112	12"	
232695	105114	14"	

### 1150 Crimped Long Collar with Hub

Part #	Mfg #	Size	Price
243862	11504	4"	
243863	11505	5"	
204130	11506	6"	
204131	11507	7"	
204132	11508	8"	
243864	11509	9"	
243866	115010	10"	
243867	115012	12"	
243868	115014	14"	
243869	115016	16"	

### 156 Spin Collar for Metal



Part #	Mfg #	Size	Price
179133	1566	6"	
179134	1568	8"	
179135	15612	12"	

### 156D Spin Collar for Metal w/ Damper



Part #	Mfg #	Size	Price
179136	156D6	6"	
179139	156D8	8"	
179140	156D10	10"	
179141	156D12	12"	

### 84ST Ductboard Collar 1-1/2" Tabs



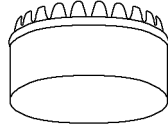
Part #	Mfg #	Size	Price
188440	84ST6	6"	
188441	84ST7	7"	
188442	84ST8	8"	



**Round Fittings**

**Galvanized Collars**

**Galv Stub Collar - Plain**



Part #	Mfg #	Size	Price
010972	WA313LE3	3"	
010973	WA313LE4	4"	
010974	WA313LE5	5"	
010975	WA313LE6	6"	
010976	WA313LE7	7"	
010977	WA313LE8	8"	
010978	WA313LE9	9"	
010968	WA313LE10	10"	
010969	WA313LE12	12"	
010970	WA313LE14	14"	

**Galv Top Collar - Crimped**



Part #	Mfg #	Size	Price
010961	WA313SE3	3"	
010962	WA313SE4	4"	
010963	WA313SE5	5"	
010964	WA313SE6	6"	
010965	WA313SE7	7"	
010966	WA313SE8	8"	
010967	WA313SE9	9"	
010956	WA313SE10	10"	
010957	WA313SE12	12"	
010958	WA313SE14	14"	
010959	WA313SE16	16"	
010960	WA313SE18	18"	

**Start Collar with Ring**



Part #	Mfg #	Size	Price
157735	WA313SER4	4"	
157736	WA313SER5	5"	
157737	WA313SER6	6"	
157738	WA313SER7	7"	
157739	WA313SER8	8"	
157740	WA313SER9	9"	

**Galvanized Collars (Continued)**

**Start Collar with Ring**

Part #	Mfg #	Size	Price
157741	WA313SER10	10"	
157742	WA313SER12	12"	
157743	WA313SER14	14"	
157744	WA313SER16	16"	
157745	WA313SER18	18"	

**Galv Duct Board Collar without Damper**



Part #	Mfg #	Size	Price
061493	WAFLEXCOL4	4"	
011273	WAFLEXCOL5	5"	
011274	WAFLEXCOL6	6"	
011275	WAFLEXCOL7	7"	
011276	WAFLEXCOL8	8"	
011272	WAFLEXCOL10	10"	
020010	WAFLEXCOL12	12"	
023906	WAFLEXCOL14	14"	
023907	WAFLEXCOL16	16"	

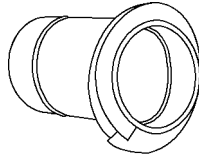
**326 Collar with Crimp and Damper**



Part #	Mfg #	Size	Price
061488	WAFLEXCOLWD6	6"	
061490	WAFLEXCOLWD8	8"	
061491	WAFLEXCOLWD10	10"	
061492	WAFLEXCOLWD12	12"	
120189	WAFLEXCOLWD14	14"	
079002	WAFLEXCOLWD16	16"	

## Round Fittings

### Galv Duct Board Spin-In Collar without Damper



Part #	Mfg #	Size	Price
011283	WA400D6	6"	
011284	WA400D7	7"	
011285	WA400D8	8"	

### Round to Round Self-Adhesive Takeoff



Part #	Mfg #	Size	Price
172058	WA406A5	5"	
164710	WA406A6	6"	
164711	WA406A7	7"	
164712	WA406A8	8"	
226843	WA406A10	10"	
171082	WA406A12	12"	

### Galv Metal Spin-In Collar with Damper



Part #	Mfg #	Size	Price
028049	WA401M6	6"	
028050	WA401M8	8"	
028051	WA401M10	10"	

### Galv Round to Round Self-Adhesive Takeoff



Part #	Mfg #	Size	Price
072244	WA400A6	6"	
184158	WA400A7	7"	
073575	WA400A8	8"	

### Flate Airtite with Damper

- Flat desin allows for installation on trunk lines or starting collars on plenums



Part #	Mfg #	Size	Price
100321	WA400AD6	6"	
100322	WA400AD8	8"	



## Round Elbows

### 90° Round Elbows



#### 90° 24ga Elbow

Part #	Mfg #	Size	Price
192537	90424	4"	
178760	90524	5"	
178761	90624	6"	
178762	90724	7"	
178763	90824	8"	
178764	90924	9"	
178765	901024	10"	
178766	901224	12"	
178767	901424	14"	
178768	901624	16"	
178769	901824	18"	

#### 90° 26ga Elbow

Part #	Mfg #	Size	Price
178749	90326	3"	
178750	90426	4"	
178751	90526	5"	
178752	90626	6"	
178753	90726	7"	
178754	90826	8"	
178755	901026	10"	
178756	901226	12"	
178757	901426	14"	
178758	901626	16"	

#### 90° 28ga Elbow

Part #	Mfg #	Size	Price
178746	90328	3"	
178747	90428	4"	
178745	901228	12"	
178748	901428	14"	

#### 90° 30ga Elbow

Part #	Mfg #	Size	Price
178738	90330	3"	
178739	90430	4"	
178740	90530	5"	
178637	90630	6"	
178741	90730	7"	

### 90° Round Elbows (Continued)

#### 90° 30ga Elbow

Part #	Mfg #	Size	Price
178742	90830	8"	
178743	90930	9"	
178744	901030	10"	

### 45° Round Elbows



#### 45° 30ga Elbow

Part #	Mfg #	Size	Price
178770	45530	5"	
178771	45630	6"	
178772	45730	7"	

## Round Elbows

### Galvanized Round Elbows



#### Galv 45° 30ga Elbow

Part #	Mfg #	Size	Price
021248	WA45305	5"	
010936	WA45306	6"	

#### Galv 90° 30ga Elbow

Part #	Mfg #	Size	Price
010899	WA90303	3"	
010900	WA90304	4"	
010901	WA90305	5"	
134912	WA90306	6"	
010903	WA90307	7"	
010904	WA90308	8"	
010906	WA90309	9"	
010897	WA903010	10"	

#### Galv 90° 28ga Elbow

Part #	Mfg #	Size	Price
010908	WA90283	3"	
010909	WA90284	4"	
153110	WA90289	9"	
153118	WA902810	10"	
021253	WA902812	12"	
010907	WA902814	14"	

#### Galv 90° 26ga Elbow

Part #	Mfg #	Size	Price
010911	WA90263	3"	
010912	WA90264	4"	
028849	WA90265	5"	
022328	WA90266	6"	
026496	WA90267	7"	
043462	WA90268	8"	
043463	WA902610	10"	
043464	WA902612	12"	
021252	WA902614	14"	
010910	WA902616	16"	

### Galv 90° 24ga Elbow

Part #	Mfg #	Size	Price
010916	WA90245	5"	
010917	WA90246	6"	
010918	WA90247	7"	
010919	WA90248	8"	
010920	WA90249	9"	
010913	WA902410	10"	
010914	WA902412	12"	
010915	WA902414	14"	
030837	WA902416	16"	
037283	WA902418	18"	

### Galv Round to Round Self-Adhesive 90° Takeoff



Part #	Mfg #	Size	Price
116248	WA201A5	5"	
098648	WA201A6	6"	
116249	WA201A7	7"	
116250	WA201A8	8"	

### Galv Round Adjustable 90° Elbow with Adhesive

- Shipped straight not turned



Part #	Mfg #	Size	Price
154621	WA302A6	6"	



## Round Pipe

### Round Pipe

#### SL12 12" Joint Round Pipe



#### 30 Gauge

Part #	Mfg #	Size	Price
178727	SL120430	4" x 1'	
178630	SL120530	5" x 1'	
178631	SL120630	6" x 1'	
178632	SL120730	7" x 1'	

#### SL24 24" Joint Round Pipe



#### 24 Gauge

Part #	Mfg #	Size	Price
178698	SL24524	5" x 2'	
178699	SL24624	6" x 2'	
178700	SL24724	7" x 2'	
178701	SL24824	8" x 2'	
178702	SL24924	9" x 2'	
178703	SL241024	10" x 2'	
178704	SL241224	12" x 2'	
178705	SL241424	14" x 2'	
178706	SL241624	16" x 2'	
178707	SL241824	18" x 2'	

#### 26 Gauge

Part #	Mfg #	Size	Price
178680	SL24326	3" x 2'	
178681	SL24426	4" x 2'	
178682	SL24526	5" x 2'	
178683	SL24626	6" x 2'	
178684	SL241426	14" x 2'	
178685	SL241626	16" x 2'	
178687	SL241826	18" x 2'	

### 30 Gauge

Part #	Mfg #	Size	Price
178671	SL24330	3" x 2'	
178672	SL24430	4" x 2'	
178673	SL24530	5" x 2'	
178674	SL24630	6" x 2'	
178675	SL24730	7" x 2'	
178676	SL24830	8" x 2'	
178677	SL24930	9" x 2'	
178678	SL241030	10" x 2'	
178679	SL241230	12" x 2'	

#### SL60 60" Joint Round Pipe



#### 26 Gauge

Part #	Mfg #	Size	Price
178729	SL60426	4" x 5'	
178663	SL60526	5" x 5'	
178664	SL60626	6" x 5'	
178666	SL60726	7" x 5'	
178667	SL60826	8" x 5'	
178669	SL60926	9" x 5'	
178670	SL601026	10" x 5'	
178728	SL601226	12" x 5'	
178730	SL601426	14" x 5'	
178731	SL601626	16" x 5'	

#### 30 Gauge

Part #	Mfg #	Size	Price
178633	SL60330	3" x 5'	
178634	SL60430	4" x 5'	
178635	SL60530	5" x 5'	
178636	SL60630	6" x 5'	
178658	SL60730	7" x 5'	
178659	SL60830	8" x 5'	
178661	SL60930	9" x 5'	
178662	SL601030	10" x 5'	
199472	SL601230	12" x 5'	



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## Round Pipe

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SL120 120" Joint Round Pipe

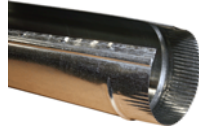


30 Gauge

Part #	Mfg #	Size	Price
192529	SL120830	8" x 10'	

## Round Pipe

### Galvanized Sheet Metal Pipe



#### Galv Sheet Metal 24" 30ga Pipe

Part #	Mfg #	Size	Price
010786	WAP3032	3"	
010788	WAP3042	4"	
010791	WAP3052	5"	
010794	WAP3062	6"	
010797	WAP3072	7"	
010799	WAP3082	8"	
010801	WAP3092	9"	
010783	WAP30102	10"	
010785	WAP30122	12"	

#### Galv Sheet Metal 24" 26ga Pipe

Part #	Mfg #	Size	Price
010775	WAP2632	3"	
010776	WAP2642	4"	
010778	WAP2652	5"	
010779	WAP2662	6"	
010773	WAP26142	14"	
010774	WAP26162	16"	
021251	WAP26182	18"	

#### Galv Sheet Metal 24" 24ga Pipe

Part #	Mfg #	Size	Price
010768	WAP2452	5"	
010769	WAP2462	6"	
010770	WAP2472	7"	
010771	WAP2482	8"	
010772	WAP2492	9"	
010764	WAP24102	10"	
010765	WAP24122	12"	
010766	WAP24142	14"	
010767	WAP24162	16"	

### Galvanized Snap Lock Pipe



#### Galv Snap Lock 60" 30ga Pipe

Part #	Mfg #	Size	Price
010787	WAP3035	3"	
010789	WAP3045	4"	
010792	WAP3055	5"	
010795	WAP3065	6"	
010798	WAP3075	7"	
010800	WAP3085	8"	
075283	WAP3095	9"	
010784	WAP30105	10"	
127501	WAP30125	12"	

#### Galv Snap Lock 60" 28ga Pipe

Part #	Mfg #	Size	Price
168507	WAP2855	5"	
168508	WAP2865	6"	
168509	WAP2875	7"	
168510	WAP2885	8"	
168513	WAP28105	10"	
168514	WAP28125	12"	
168521	WAP28145	14"	

#### Galv Snap Lock 60" 26ga Pipe

Part #	Mfg #	Size	Price
010777	WAP2645	4"	
028848	WAP2655	5"	
026464	WAP2665	6"	
025025	WAP2675	7"	
043461	WAP2685	8"	
033458	WAP26105	10"	
020976	WAP26125	12"	
105628	WAP26145	14"	
137023	WAP26165	16"	

#### Galv Snap Lock 120" 30ga Pipe

Part #	Mfg #	Size	Price
129152	WAP30410	4"	
010790	WAP30510	5"	
010793	WAP30610	6"	
010796	WAP30710	7"	
098828	WAP30810	8"	



## Round Takeoffs

### Round Takeoffs 63A Adjustable Takeoff



Part #	Mfg #	Size	Price
178773	63A5	5"	
178774	63A6	6"	
178775	63A7	7"	
178776	63A8	8"	

### 62 Top Takeoff



Part #	Mfg #	Size	Price
179013	625	5"	
179014	626	6"	
179015	627	7"	
179016	628	8"	

### With Slide Lock

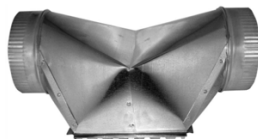
Part #	Mfg #	Size	Price
204605	62SL6	6"	

### 63 Side Takeoff



Part #	Mfg #	Size	Price
179010	636	6"	
179011	637	7"	
179012	638	8"	

### 64 Double Top Takeoff



Part #	Mfg #	Size	Price
179018	646	6"	

### 2022 Fiberglass Round to Round Takeoff



Part #	Mfg #	Size	Price
201483	20226	6"	
201484	20227	7"	

### EP15 Full Tab Round to Round Adjustable Takeoff



Part #	Mfg #	Size	Price
178779	EP1565	6" x 5"	
178780	EP1576	7" x 6"	
178781	EP1587	8" x 7"	
178782	EP1598	9" x 8"	
213470	EP1598CR	9" x 8" (Crimped)	
213468	EP1576CR	7" x 6" (Crimped)	
213469	EP1587CR	8" x 7" (Crimped)	

### HT15 Half Tab Round to Round Adjustable Takeoff



Part #	Mfg #	Size	Price
190191	HT1564	6" x 4"	
178638	HT1576	7" x 6"	
178787	HT1587	8" x 7"	

### AT63 Air-Tite Side Takeoff (Square to Round)



Part #	Mfg #	Size	Price
179228	AT638	8"	
179226	AT6310	10"	





## Round Takeoffs

### ATTRP Air-Tite Saddle Takeoff



Part #	Mfg #	Size	Price
197802	ATTRP4	4"	
195321	ATTRP5	5"	
195252	ATTRP6	6"	
195253	ATTRP7	7"	
195254	ATTRP8	8"	
195747	ATTRP9	9"	
197499	ATTRP10	10"	
205840	ATTRP12	12"	
232661	ATTRP14	14"	
232662	ATTRP16	16"	

### ATT Air-Tite Takeoff



Part #	Mfg #	Size	Price
195236	ATT4	4"	
195237	ATT5	5"	
179253	ATT6	6"	
179254	ATT8	8"	
195320	ATT18	18"	

### AT90 90° Air-Tite Takeoff

Part #	Mfg #	Size	Price
195239	AT906	6"	
195255	AT907	7"	
195256	AT908	8"	

### ATD Air-Tite Takeoff w/ Damper



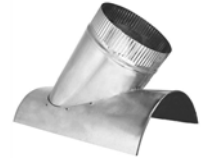
Part #	Mfg #	Size	Price
195243	ATD6	6"	
195244	ATD7	7"	
195245	ATD8	8"	

### Round Takeoffs (Continued)

#### ATD Air-Tite Takeoff w/ Damper

Part #	Mfg #	Size	Price
195247	ATD10	10"	
193597	ATD12	12"	

#### ATTRP45 Air-Tite 45° Saddle Takeoff



Part #	Mfg #	Size	Price
189069	ATTRP4510	10"	

#### S5 Pivot Takeoff



Part #	Mfg #	Size	Price
244398	S55	5"	
244399	S56	6"	

## Round Fittings

### Galvanized Takeoffs

#### Galv Side Takeoff



Part #	Mfg #	Size	Price
011142	WASQ1536	6"	
011143	WASQ1537	7"	

#### Galv Adjustable Top Takeoff Sheet Metal



Part #	Mfg #	Size	Price
111661	WA201APL5	5"	
111662	WA201APL6	6"	
111663	WA201APL7	7"	

#### Galv Top Takeoff



Part #	Mfg #	Size	Price
021250	WA1615	5"	
011145	WA1616	6"	
011147	WA1618	8"	

#### Galv Adjustable Takeoffs with 2" Rise



Part #	Mfg #	Size	Price
011149	WA1815	5"	
011150	WA1816	6"	
011151	WA1817	7"	
011152	WA1818	8"	

#### Galv Adjustable Takeoff Round To Round Full Tab



Part #	Mfg #	Size	Price
011155	WA2015	5"	
011156	WA2016	6"	
011157	WA2017	7"	
011158	WA2018	8"	

#### Galv Adjustable Takeoff Round To Round Half Tab



Part #	Mfg #	Size	Price
051557	WA201H6	6"	
101811	WA201H7	7"	

#### Galv Top Takeoff

• 1" Rise



Part #	Mfg #	Size	Price
011153	WA1618	6"	
011146	WA1617	7"	

#### Square to Round Transition



Part #	Mfg #	Size	Price
163639	WA318162016	16" x 20" x 16"	



## Round Tees & Wyes

### Round Tees

#### Free Flow Tee



#### 24 Gauge Free Flow Tee

Part #	Mfg #	Size	Price
180537	1060624	6"	
180538	1060724	7"	
180539	1060824	8"	
180541	10601024	10"	
180542	10601224	12"	
180543	10601424	14"	

#### 26 Gauge Free Flow Tee

Part #	Mfg #	Size	Price
180534	1060326	3"	
180535	1060426	4"	
180536	1060526	5"	
180688	1060626	6"	
180689	1060726	7"	
180690	1060826	8"	
180691	10601026	10"	
180692	10601226	12"	
180693	10601426	14"	

#### 54 Regular Tee



#### 26 Gauge Tee

Part #	Mfg #	Size	Price
192650	54426	4"	
192651	54526	5"	
192637	54626	6"	
192646	54826	8"	
192648	5410	10"	
192649	5412	12"	
194009	5414	14"	
192645	54726	7"	

#### 24 Gauge Tee

Part #	Mfg #	Size	Price
179114	54624	6"	
179116	54824	8"	
179111	544	4"	

### Round Wyes

#### Stub Wye



Part #	Mfg #	Size	Price
179214	203S444	4" x 4" x 4"	
179122	203S543	5" x 4" x 3"	
179125	203S544	5" x 4" x 4"	
179123	203S553	5" x 5" x 3"	
179124	203S663	6" x 6" x 3"	
179120	203S866	8" x 6" x 6"	

#### Wye Branch



Part #	Mfg #	Size	Price
179121	78866	8" x 6" x 6"	

#### Flue Wye



Part #	Mfg #	Size	Price
192658	52433	4" x 3" x 3"	
192657	52443	4" x 4" x 3"	
192661	52543	5" x 4" x 3"	
193222	52544	5" x 4" x 4"	
192659	52553	5" x 5" x 3"	
192663	52643	6" x 4" x 3"	
192662	52653	6" x 5" x 3"	
193253	52654	6" x 5" x 4"	
192660	52663	6" x 6" x 3"	



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## Round Tees & Wyes

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### Round Wyes (Continued)

#### Flue Wye

Part #	Mfg #	Size	Price
193244	52666	6" x 6" x 6"	
192654	52866	8" x 6" x 6"	
192656	521088	10" x 8" x 8"	

**Round Fittings**

**Galvanized Tees**  
Galv 90° Tee Joint



Part #	Mfg #	Size	Gauge	Price
011264	WA3046EZ	6"	24ga	
011265	WA3047EZ	7"	24ga	
011266	WA3048EZ	8"	24ga	
011258	WA30410EZ	10"	24ga	
011259	WA30412EZ	12"	24ga	
011260	WA30414EZ	14"	24ga	
011261	WA3043EZ	3"	26ga	
011262	WA3044EZ	4"	26ga	
011263	WA3045EZ	5"	26ga	

**Galv Stub Wye**



Part #	Mfg #	Size	Price
016711	WA306LBC866	8" x 6" x 6"	

**Galv Water Heater Tee 45°**

Part #	Mfg #	Size	Price
011290	WA306C543	5" x 4" x 3"	
041432	WA306C544	5" x 4" x 4"	
011291	WA306C553	5" x 5" x 3"	
011292	WA306L663	6" x 6" x 3"	

**Galv Flue Tee - 45°**



Part #	Mfg #	Size	Price
106625	WA306L4	4" x 4" x 4"	

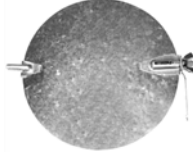
**Galvanized Wyes**  
Galv Wye Branch



Part #	Mfg #	Size	Price
017816	WA307866	8" x 6" x 6"	

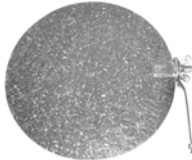
## Round Miscellaneous

### Dampers 44 Damper (Two Quad)



Part #	Mfg #	Size	Price
192697	446	6"	
178926	448	8"	
178927	4410	10"	
178928	4412	12"	

### 44S Damper (Fixed Hardware)



Part #	Mfg #	Size	Price
178921	44S4	4"	
178922	44S5	5"	
178923	44S6	6"	
178924	44S7	7"	
178925	44S8	8"	

### 40 Damper Section



Part #	Mfg #	Size	Price
179008	404	4"	
179009	406	6"	
238609	408	8"	

### Draw Bands S75 Snap Drawband



Part #	Mfg #	Size	Price
180255	S755	5"	
180256	S756	6"	

### Draw Bands (Continued) S75 Snap Drawband

Part #	Mfg #	Size	Price
180257	S757	7"	
180258	S758	8"	

### 96 Drawband (Gear Clamp)



Part #	Mfg #	Size	Price
178783	965	5"	
178784	966	6"	
178785	967	7"	

### End Caps

#### 55 End Cap

- *Crimped*



Part #	Mfg #	Size	Price
178912	554	4"	
178913	555	5"	
178914	556	6"	
178915	557	7"	
178916	558	8"	
178917	559	9"	
178918	5510	10"	
178919	5512	12"	
181322	5514	14"	
178651	5516	16"	

#### 55NC End Cap

- *No Crimpe*

Part #	Mfg #	Size	Price
178902	553NC	3"	
178903	554NC	4"	
178904	555NC	5"	
178905	556NC	6"	
178906	557NC	7"	
178907	558NC	8"	
178908	559NC	9"	



## Round Miscellaneous

### End Caps (Continued)

#### 55NC End Cap

Part #	Mfg #	Size	Price
178909	5510NC	10"	
178910	5512NC	12"	
178911	5514NC	14"	

### Fresh Air Intakes

#### 36 Fresh Air Intake

- 1/4" Galvanized mesh cover



Part #	Mfg #	Size	Price
178653	364	4"	
178970	365	5"	
178971	366	6"	
178974	368	8"	

### Reducers

#### 58 3-Pc No Crimp Reducer



Part #	Mfg #	Size	Price
178943	5843	4" x 3"	
178944	5853	5" x 3"	
178945	5854	5" x 4"	
178946	5863	6" x 3"	
178947	5864	6" x 4"	
178948	5865	6" x 5"	
178949	5873	7" x 3"	
178950	5874	7" x 4"	
178951	5875	7" x 5"	
178952	5876	7" x 6"	
178953	5884	8" x 4"	
178954	5885	8" x 5"	
178956	5886	8" x 6"	
178957	5887	8" x 7"	
178958	5896	9" x 6"	
178959	5897	9" x 7"	
178960	5898	9" x 8"	

### Reducers (Continued)

#### 58 3-Pc No Crimp Reducer

Part #	Mfg #	Size	Price
178961	58106	10" x 6"	
178962	58107	10" x 7"	
178963	58108	10" x 8"	
178964	58109	10" x 9"	
178965	58128	12" x 8"	
178966	581210	12" x 10"	
227738	58146	14" x 6"	
178967	581412	14" x 12"	
192703	581614	16" x 14"	

### Saddles

#### 207 90° Vent Saddle



Part #	Mfg #	Size	Price
179019	2073	3"	
179020	2074	4"	

#### 208 45° Vent Saddle



Part #	Mfg #	Size	Price
179022	2083	3"	
179023	2084	4"	



## Round Fittings

### Galvanized Drawbands

#### Galv Drawband

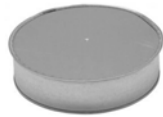
- 316= Screw Style
- 316S= Snap Style



Part #	Mfg #	Size	Price
165725	WA316S6	6"	
011160	WA3166	6"	
011161	WA3167	7"	

### Galvanized End Caps

#### Galv Round Cleanout End Cap



Part #	Mfg #	Size	Price
011053	WA3103	3"	
011054	WA3104	4"	
011055	WA3105	5"	
011056	WA3106	6"	
011057	WA3107	7"	
011058	WA3108	8"	
011059	WA3109	9"	
011050	WA31010	10"	
011051	WA31012	12"	
011052	WA31014	14"	
105845	WA31016	16"	

#### Galv Round Cleanout End Cap - Crimped



Part #	Mfg #	Size	Price
011063	WA3094	4"	
011064	WA3095	5"	
011065	WA3096	6"	
011066	WA3097	7"	
011067	WA3098	8"	
011068	WA3099	9"	
011060	WA30910	10"	
011061	WA30912	12"	
011062	WA30914	14"	

### Galvanized Dampers

#### Galv Round Damper One Quad



Part #	Mfg #	Size	Price
011074	WA3144	4"	
011075	WA3145	5"	
011076	WA3146	6"	
011077	WA3147	7"	
011078	WA3148	8"	

#### Galv Round Damper Two Quad



Part #	Mfg #	Size	Price
011072	WA314DQ10	10"	
011073	WA314DQ12	12"	

### Galvanized Reducers

#### Galv Taper Reducer / No Crimp



Part #	Mfg #	Size	Price
010809	WARI43	4" x 3"	
010810	WARI53	5" x 3"	
010811	WARI54	5" x 4"	
010812	WARI63	6" x 3"	
010813	WARI64	6" x 4"	
010814	WARI65	6" x 5"	
010815	WARI73	7" x 3"	
010816	WARI74	7" x 4"	
010817	WARI75	7" x 5"	
010818	WARI76	7" x 6"	
010819	WARI84	8" x 4"	
010820	WARI85	8" x 5"	
010821	WARI86	8" x 6"	
010822	WARI87	8" x 7"	



**Round Fittings**

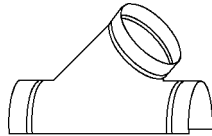
**Galvanized Reducers (Continued)**

**Galv Taper Reducer / No Crimp**

Part #	Mfg #	Size	Price
010823	WARI96	9" x 6"	
010824	WARI97	9" x 7"	
010825	WARI98	9" x 8"	
010803	WA311P106	10" x 6"	
010804	WA311P107	10" x 7"	
010805	WA311P108	10" x 8"	
010806	WA311P109	10" x 9"	
055585	WA311P128	12" x 8"	
010807	WA311P1210	12" x 10"	
010808	WA311P1412	14" x 12"	

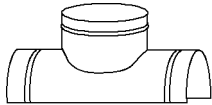
**Galvanized Saddles**

**Galv 45° Saddle**



Part #	Mfg #	Size	Price
011185	WASADDLE453	3"	
011186	WASADDLE454	4"	

**Galv 90° Saddle**



Part #	Mfg #	Size	Price
011183	WASADDLE903	3"	
011184	WASADDLE904	4"	
098829	WASADDLE906	6"	
162732	WASADDLE908	8"	

**Fresh Air Intakes**

**329 Fresh Air Intake**



Part #	Mfg #	Size	Price
157685	WA3294T10	4" w/ 10" Tail	
157687	WA3296T10	6" w/ 10" Tail	

## Spiral Pipe & Fittings

### Spiral Pipe

#### 26 Gauge SP10 Spiral Pipe

- 10 Foot lengths
- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
179924	SP10426	4"	
179923	SP10526	5"	
179925	SP10626	6"	
179926	SP10726	7"	
179927	SP10826	8"	
179928	SP101026	10"	
179929	SP101226	12"	
179930	SP101426	14"	

#### 24 Gauge SP10 Spiral Pipe

- 10 Foot lengths
- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
179931	SP101624	16"	
179932	SP101824	18"	
179933	SP102024	20"	
179934	SP102224	22"	
179935	SP102424	24"	

### Spiral Elbows

#### 26 Gauge SP45 Spiral Angle

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180080	SP45426	4"	
180081	SP45526	5"	
180082	SP45626	6"	
180083	SP45726	7"	
180084	SP45826	8"	
180085	SP451026	10"	

### Spiral Elbows (Continued)

#### 26 Gauge SP45 Spiral Angle

Part #	Mfg #	Size	Price
180086	SP451226	12"	

#### 24 Gauge SP45 Spiral Angle

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180087	SP451424	14"	
180088	SP451624	16"	
180089	SP451824	18"	
180090	SP452024	20"	
180091	SP452224	22"	
180092	SP452424	24"	

#### 26 Gauge SP90 Spiral Elbow

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180053	SP90426	4"	
180054	SP90526	5"	
180055	SP90626	6"	
180056	SP90726	7"	
180057	SP90826	8"	
180058	SP901026	10"	
180059	SP901226	12"	

#### 24 Gauge SP90 Spiral Elbow

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180060	SP901424	14"	
180061	SP901624	16"	



## Spiral Pipe & Fittings

### Spiral Elbows (Continued)

#### 24 Gauge SP90 Spiral Elbow

Part #	Mfg #	Size	Price
180062	SP901824	18"	
180063	SP902024	20"	
180064	SP902224	22"	
180065	SP902424	24"	

#### 26 Gauge SP90LR Long Radius Spiral Elbow

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180066	SP90LR426	4"	
180067	SP90LR526	5"	
180068	SP90LR626	6"	
180069	SP90LR726	7"	
180070	SP90LR826	8"	
180071	SP90LR1026	10"	
180072	SP90LR1226	12"	

#### 24 Gauge SP90LR Long Radius Spiral Elbow

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180073	SP90LR1424	14"	
180074	SP90LR1624	16"	
180075	SP90LR1824	18"	
180076	SP90LR2024	20"	
180077	SP90LR2224	22"	
180078	SP90LR2424	24"	

### Spiral Connectors

#### 26 Gauge SPCON Spiral Connector

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180093	SPCON426	4"	
180094	SPCON526	5"	
180095	SPCON626	6"	
180096	SPCON726	7"	
180097	SPCON826	8"	
180098	SPCON1026	10"	
180099	SPCON1226	12"	

#### 24 Gauge SPCON Spiral Connector

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180100	SPCON1424	14"	
180101	SPCON1624	16"	
180102	SPCON1824	18"	
180103	SPCON2024	20"	
180104	SPCON2224	22"	
180105	SPCON2424	24"	

### Spiral Tees

#### 26 Gauge SP54 Spiral Tee

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180183	SP54444	4" x 4" x 4"	
180184	SP54554	5" x 5" x 4"	
180185	SP54555	5" x 5" x 5"	
180186	SP54664	6" x 6" x 4"	
180187	SP54666	6" x 6" x 6"	

## Spiral Pipe & Fittings

### Spiral Tees (Continued)

#### 26 Gauge SP54 Spiral Tee

Part #	Mfg #	Size	Price
180188	SP54774	7" x 7" x 4"	
180189	SP54776	7" x 7" x 6"	
180190	SP54777	7" x 7" x 7"	
180201	SP54884	8" x 8" x 4"	
180202	SP54886	8" x 8" x 6"	
180191	SP54888	8" x 8" x 8"	
180203	SP5410106	10" x 10" x 6"	
180204	SP5410108	10" x 10" x 8"	
180192	SP54101010	10" x 10" x 10"	
180205	SP5412126	12" x 12" x 6"	
180206	SP5412128	12" x 12" x 8"	
180207	SP54121210	12" x 12" x 10"	
180193	SP54121212	12" x 12" x 12"	

#### 24 Gauge SP54 Spiral Tee

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180208	SP5414146	14" x 14" x 6"	
180210	SP5414148	14" x 14" x 8"	
180211	SP54141410	14" x 14" x 10"	
180212	SP54141412	14" x 14" x 12"	
180194	SP54141414	14" x 14" x 14"	
180213	SP5416168	16" x 16" x 8"	
180214	SP54161610	16" x 16" x 10"	
180215	SP54161612	16" x 16" x 12"	
180216	SP54161614	16" x 16" x 14"	
180195	SP54161616	16" x 16" x 16"	
180217	SP54181810	18" x 18" x 10"	
180218	SP54181812	18" x 18" x 12"	
180219	SP54181814	18" x 18" x 14"	
180220	SP54181816	18" x 18" x 16"	
180196	SP54181818	18" x 18" x 18"	
180221	SP54202010	20" x 20" x 10"	
180222	SP54202012	20" x 20" x 12"	
180223	SP54202014	20" x 20" x 14"	
180224	SP54202016	20" x 20" x 16"	
180225	SP54202018	20" x 20" x 18"	

### Spiral Tees (Continued)

#### 24 Gauge SP54 Spiral Tee

Part #	Mfg #	Size	Price
180197	SP54202020	20" x 20" x 20"	
180226	SP54222218	22" x 22" x 18"	
180227	SP54222220	22" x 22" x 20"	
180198	SP54222222	22" x 22" x 22"	
180228	SP54242418	24" x 24" x 18"	
180230	SP54242420	24" x 24" x 20"	
180231	SP54242422	24" x 24" x 22"	
180199	SP54242424	24" x 24" x 24"	

### Reducers

#### 26 Gauge SP58 Spiral Tapered Reducer

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
179939	SP5854	5" x 4"	
179940	SP5864	6" x 4"	
179938	SP5865	6" x 5"	
179941	SP5874	7" x 4"	
179942	SP5875	7" x 5"	
179943	SP5876	7" x 6"	
179945	SP5885	8" x 5"	
179946	SP5886	8" x 6"	
179947	SP5887	8" x 7"	
179948	SP58106	10" x 6"	
179949	SP58107	10" x 7"	
179950	SP58108	10" x 8"	
179951	SP58126	12" x 6"	
179952	SP58128	12" x 8"	
179953	SP581210	12" x 10"	

#### 24 Gauge SP58 Spiral Tapered Reducer

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
179955	SP581410	14" x 10"	
179956	SP581412	14" x 12"	
179954	SP58148	14" x 8"	



## Spiral Pipe & Fittings

### Reducers (Continued)

#### 24 Gauge SP58 Spiral Tapered Reducer

Part #	Mfg #	Size	Price
179957	SP581610	16" x 10"	
179958	SP581612	16" x 12"	
179959	SP581614	16" x 14"	
179960	SP581812	18" x 12"	
179961	SP581814	18" x 14"	
179962	SP581816	18" x 16"	
179963	SP582014	20" x 14"	
179964	SP582016	20" x 16"	
179965	SP582018	20" x 18"	
179966	SP582216	22" x 16"	
179967	SP582218	22" x 18"	
179968	SP582220	22" x 20"	
179969	SP582418	24" x 18"	
179970	SP582420	24" x 20"	
179971	SP582422	24" x 22"	

#### 26 Gauge SP58ER Spiral Eccentric Reducer

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180129	SP58ER54	5" x 4"	
180130	SP58ER64	6" x 4"	
180131	SP58ER65	6" x 5"	
180132	SP58ER74	7" x 4"	
180133	SP58ER75	7" x 5"	
180134	SP58ER76	7" x 6"	
180135	SP58ER85	8" x 5"	
180136	SP58ER86	8" x 6"	
180137	SP58ER87	8" x 7"	
180138	SP58ER106	10" x 6"	
180139	SP58ER107	10" x 7"	
180140	SP58ER108	10" x 8"	
180141	SP58ER126	12" x 6"	
180142	SP58ER128	12" x 8"	
180143	SP58ER1210	12" x 10"	

#### 24 Gauge SP58ER Spiral Eccentric Reducer

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180145	SP58ER1410	14" x 10"	
180146	SP58ER1412	14" x 12"	
180144	SP58ER148	14" x 8"	
180147	SP58ER1610	16" x 10"	
180149	SP58ER1612	16" x 12"	
180150	SP58ER1614	16" x 14"	
180152	SP58ER1812	18" x 12"	
180153	SP58ER1814	18" x 14"	
180154	SP58ER1816	18" x 16"	
180155	SP58ER2014	20" x 14"	
180156	SP58ER2016	20" x 16"	
180157	SP58ER2018	20" x 18"	
180158	SP58ER2216	22" x 16"	
180159	SP58ER2218	22" x 18"	
180160	SP58ER2220	22" x 20"	
180161	SP58ER2418	24" x 18"	
180162	SP58ER2420	24" x 20"	
180163	SP58ER2422	24" x 22"	

### Caps

#### 26 Gauge SP55 Spiral End Cap

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180106	SP554	4"	
180107	SP555	5"	
180108	SP556	6"	
180109	SP557	7"	
180110	SP558	8"	
180111	SP5510	10"	
180112	SP5512	12"	





## Spiral Pipe & Fittings

### 24 Gauge SP55 Spiral End Cap

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180113	SP5514	14"	
180114	SP5516	16"	
180115	SP5518	18"	
180116	SP5520	20"	
180117	SP5522	22"	
180118	SP5524	24"	

### Spiral Saddles

#### SP70 Spiral Register Saddle

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size



Part #	Mfg #	Size	Price
180389	SP702106	2-1/4" x 10" 6"	
180310	SP702108	2-1/4" x 10" 8"	
180311	SP7021010	2-1/4" x 10" 10"	
180312	SP7021012	2-1/4" x 10" 12"	
180313	SP7021014	2-1/4" x 10" 14"	
180314	SP7021016	2-1/4" x 10" 16"	
180315	SP7021018	2-1/4" x 10" 18"	
180316	SP7021020	2-1/4" x 10" 20"	
180391	SP702126	2-1/4" x 12" 6"	
180318	SP702128	2-1/4" x 12" 8"	
180320	SP7021210	2-1/4" x 12" 10"	
180321	SP7021212	2-1/4" x 12" 12"	
180322	SP7021214	2-1/4" x 12" 14"	
180323	SP7021216	2-1/4" x 12" 16"	
180325	SP7021218	2-1/4" x 12" 18"	
180326	SP7021220	2-1/4" x 12" 20"	
180392	SP702146	2-1/4" x 14" 6"	
180327	SP702148	2-1/4" x 14" 8"	
180328	SP7021410	2-1/4" x 14" 10"	
180329	SP7021412	2-1/4" x 14" 12"	
180330	SP7021414	2-1/4" x 14" 14"	
180331	SP7021416	2-1/4" x 14" 16"	
180332	SP7021418	2-1/4" x 14" 18"	
180333	SP7021420	2-1/4" x 14" 20"	

### Spiral Saddles (Continued)

#### SP70 Spiral Register Saddle

Part #	Mfg #	Size	Price
180393	SP704106	4" x 10" 6"	
180336	SP704108	4" x 10" 8"	
180337	SP7041010	4" x 10" 10"	
180338	SP7041012	4" x 10" 12"	
180339	SP7041014	4" x 10" 14"	
180340	SP7041016	4" x 10" 16"	
180342	SP7041018	4" x 10" 18"	
180343	SP7041020	4" x 10" 20"	
180395	SP704126	4" x 12" 6"	
180344	SP704128	4" x 12" 8"	
180345	SP7041210	4" x 12" 10"	
180346	SP7041212	4" x 12" 12"	
180347	SP7041214	4" x 12" 14"	
180348	SP7041216	4" x 12" 16"	
180349	SP7041218	4" x 12" 18"	
180350	SP7041220	4" x 12" 20"	
180396	SP704146	4" x 14" 6"	
180352	SP704148	4" x 14" 8"	
180353	SP7041410	4" x 14" 10"	
180354	SP7041412	4" x 14" 12"	
180355	SP7041414	4" x 14" 14"	
180356	SP7041416	4" x 14" 16"	
180357	SP7041418	4" x 14" 18"	
180358	SP7041420	4" x 14" 20"	
180397	SP706106	6" x 10" 6"	
180359	SP706108	6" x 10" 8"	
180360	SP7061010	6" x 10" 10"	
180361	SP7061012	6" x 10" 12"	
180362	SP7061014	6" x 10" 14"	
180363	SP7061016	6" x 10" 16"	
180364	SP7061018	6" x 10" 18"	
180365	SP7061020	6" x 10" 20"	
180399	SP706126	6" x 12" 6"	
180366	SP706128	6" x 12" 8"	
180367	SP7061210	6" x 12" 10"	
180368	SP7061212	6" x 12" 12"	
180369	SP7061214	6" x 12" 14"	
180370	SP7061216	6" x 12" 16"	
180371	SP7061218	6" x 12" 18"	
180372	SP7061220	6" x 12" 20"	
180381	SP706146	6" x 14" 6"	
180373	SP706148	6" x 14" 8"	
180374	SP7061410	6" x 14" 10"	
180375	SP7061412	6" x 14" 12"	



## Spiral Pipe & Fittings

### Spiral Saddles (Continued)

#### SP70 Spiral Register Saddle

Part #	Mfg #	Size	Price
180376	SP7061414	6" x 14" 14"	
180377	SP7061416	6" x 14" 16"	
180378	SP7061418	6" x 14" 18"	
180379	SP7061420	6" x 14" 20"	

### Shoe Taps

#### SP 6 Spiral 90° Shoe Tap

- Galvanized steel
- Riveted connection
- Outside dimensions of each end diameter is approximately 1/8" under nominal size

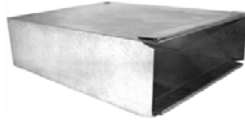


		Size	Pipe Size
180414	SP606	6"	6"-10"
180415	SP606A	6"	12"-16"
240062	SP607	7"	8"-12"
180416	SP608	8"	8"-12"
180417	SP608A	8"	14"-18"
180418	SP610	10"	10"-14"
180419	SP610A	10"	16"-20"
180420	SP612	12"	12"-16"
180421	SP612A	12"	18"-22"



## Wall Stack Duct

### Wallstacks WSJ Wall Stack



#### 24" Joint

Part #	Mfg #	Size	Price
179167	WSJ24210	2-1/4" x 10"	
179168	WSJ24212	2-1/4" x 12"	
179169	WSJ24214	2-1/4" x 14"	
179170	WSJ24310	3-1/4" x 10"	
179171	WSJ24312	3-1/4" x 12"	
179172	WSJ24314	3-1/4" x 14"	

#### 60" Joint

Part #	Mfg #	Size	Price
179164	WSJ60212	2-1/4" x 12"	
179165	WSJ60310	3-1/4" x 10"	
179166	WSJ60312	3-1/4" x 12"	

#### 100" Joint

Part #	Mfg #	Size	Price
179160	WSJ100210	2-1/4" x 10"	
179161	WSJ100212	2-1/4" x 12"	
179162	WSJ100310	3-1/4" x 10"	
179163	WSJ100312	3-1/4" x 12"	
234957	WSJ100314	3-1/2" x 14"	



**Wall Stack Duct**

**Galvanized Wall Stacks**



**Galv 24" Wall Stack**

Part #	Mfg #	Size	Price
011113	WA124BL214102	2-1/4" x 10"	
011115	WA124BL214122	2-1/4" x 12"	
011119	WA124BL314102	3-1/4" x 10"	
011121	WA124BL314122	3-1/4" x 12"	
011123	WA124BL314142	3-1/4" x 14"	

**Galv 60" Wall Stack**

Part #	Mfg #	Size	Price
011116	WA124BL2141260	2-1/4" x 12"	
011120	WA124BL3141060	3 1/4" x 10"	
011122	WA124BL3141260	3 1/4" x 12"	

**Galv 100" Wall Stack**

Part #	Mfg #	Size	Price
011114	WA124BL21412100	2-1/4" x 12"	
011118	WA124BL31410100	3-1/4" x 10"	
017815	WA124BL31412100	3-1/4" x 12"	

## Wall Stack Fittings

### Elbows

#### WS14 90° Flat Stack Elbow (Broadway, Longway)



Part #	Mfg #	Size	Price
178940	WS14212	2-1/4" x 12"	
178941	WS14310	3-1/4" x 10"	
178942	WS14312	3-1/4" x 12"	

#### WS15 45° Vertical Stack Angle (Shortway)



Part #	Mfg #	Size	Price
178935	WS15210	2-1/4" x 10"	
178936	WS15212	2-1/4" x 12"	
178937	WS15310	3-1/4" x 10"	
178938	WS15312	3-1/4" x 12"	
178939	WS15314	3-1/4" x 14"	

#### WS16 90° Vertical Stack Elbow (Shortway)



Part #	Mfg #	Size	Price
178929	WS16210	2-1/4" x 10"	
178931	WS16212	2-1/4" x 12"	
178932	WS16310	3-1/4" x 10"	
178933	WS16312	3-1/4" x 12"	
178934	WS16314	3-1/4" x 14"	

### Stack Boots

#### 24 90° Stack Boot



Part #	Mfg #	Size	Price
178984	242106	2-1/4" x 10" x 6"	
178985	242126	2-1/4" x 12" x 6"	
178986	243106	3-1/4" x 10" x 6"	
178987	243126	3-1/4" x 12" x 6"	
178988	243127	3-1/4" x 12" x 7"	
178989	243148	3-1/4" x 14" x 8"	

#### 27 Straight Stack Boot



Part #	Mfg #	Size	Price
179189	272106	2-1/4" x 10" x 6"	
178979	272126	2-1/4" x 12" x 6"	
178980	273106	3-1/4" x 10" x 6"	
178981	273107	3-1/4" x 10" x 7"	
178982	273126	3-1/4" x 12" x 6"	
178983	273127	3-1/4" x 12" x 7"	
227724	273147	3-1/4" x 14" x 7"	

#### 28 End Stack Boot

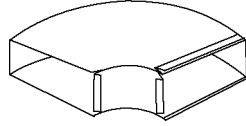


Part #	Mfg #	Size	Price
179190	282106	2-1/4" x 10" x 6"	
178990	282126	2-1/4" x 12" x 6"	
178991	283106	3-1/4" x 10" x 6"	
178992	283126	3-1/4" x 12" x 6"	
178993	283127	3-1/4" x 12" x 7"	

**Wall Stack Fittings**

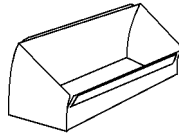
**Galvanized Wall Stack Fittings**

**Galv Horizontal 90° Longway Elbow**



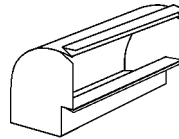
Part #	Mfg #	Size	Price
011092	WA12221412	2-1/4" x 12"	
011094	WA12231410	3-1/4" x 10"	
011093	WA12231412	3-1/4" x 12"	

**Galv Vertical 45° Shortway Angle**



Part #	Mfg #	Size	Price
011087	WA12121412	2-1/4" x 12"	
011089	WA12131410	3-1/4" x 10"	
011090	WA12131412	3-1/4" x 12"	

**Galv Vertical 90° Shortway Elbow**



Part #	Mfg #	Size	Price
011081	WA12021410	2-1/4" x 10"	
011082	WA12021412	2-1/4" x 12"	
011084	WA12031410	3-1/4" x 10"	
011085	WA12031412	3-1/4" x 12"	
011086	WA12031414	3-1/4" x 14"	

**Galv Straight Register Stackhead**

Part #	Mfg #	Size	Price
011105	WA10421412126	2-1/4" x 12"-6" x 12"	
011107	WA10431412126	3-1/4" x 12"-6" x 12"	

**Galvanized Stack Boots**

**Galv Straight Stack Boot**



Part #	Mfg #	Size	Price
011126	WA110S214126	2-1/4" x 12"-6"	
011127	WA110S314106	3-1/4" x 10"-6"	
011129	WA110S314126	3-1/4" x 12"-6"	
011128	WA110S314107	3-1/4" x 10"-7"	
011130	WA110S314127	3-1/4" x 12"-7"	
173010	WA110S314147	3-1/4" x 14"-7"	

**Galv Stack Boot 90° Elbow**



Part #	Mfg #	Size	Price
011131	WA113S214106	2-1/4" x 10"-6"	
011132	WA113S214126	2-1/4" x 12"-6"	
011134	WA113S314106	3-1/4" x 10"-6"	
011135	WA113S314126	3-1/4" x 12"-6"	
011136	WA113S314127	3-1/4" x 12"-7"	
030889	WA113S314148	3-1/4" x 14"-8"	

**Galv Stack Boot Center End**



Part #	Mfg #	Size	Price
011139	WA112S314106	3-1/4" x 10"-6"	
011140	WA112S314126	3-1/4" x 12"-6"	

**Fire Safety**

**AQUASAFE® Looped Fire Safety Systems**

**ProPEX® LF Brass Fire Sprinkler Adapter  
(PEX x PEX x FNPT)**

- Connects residential fire sprinklers to AQUAPEX tubing
- NSF and UL Approved for combining plumbing and fire sprinkler systems



Part #	Mfg #	Description	Price
132198	LF7707575	Adapter Tee, 3/4"x3/4"x1/2"	
134020	LF7701010	Adapter Tee, 1"x1"x1/2"	

**Parts & Accessories**

**Fire Sprinkler Adapter Mounting Bracket**

Part #	Mfg #	Description	Price
132271	A7750700	3/4" and 1"	

**Fire Sprinkler Adapter Push-On Nut**

- 25/Pk

Part #	Mfg #	Description	Price
133923	F7000005	Adapter Push-On Nut	

## Fire Safety

### Fire Safety Fittings

#### Viega PEX Press Tee (P x P x FPT)

- Smart connect feature
- Suitable for ViegaPEX Ultra tubing Model V5009.5, V5009.1, V5009.51
- Polymer



Part #	Mfg #	Size	Price
233376	49140	1" x 1" x 1/2"	

#### Viega PEX Press 90° Elbow (P x FPT)

- Smart connect feature
- Suitable for ViegaPEX Ultra tubing Model V5009.5, V5009.1, V5009.51
- Polymer



Part #	Mfg #	Size	Price
233375	49145	1" x 1/2"	

### Fire Safety Accessories

#### J-Clamp Tubing Fasteners

- or use with ViegaPEX Ultra, Viega FostaPEX, or ViegaPEX Barrier
- Plastic



Part #	Mfg #	Size	Price
233377	52020	1/2"	
233379	52060	1"	

## Geothermal Accessories

### Geothermal Flow Systems

#### QT Fully Enclosed Non-Pressurized Flow Center

- Removable lid for fast installation easy to fill, check flow rates and add antifreeze
- Air separation chamber continually performs purging function
- Foam insulation eliminates condensation
- Long life check valve
- Hanging handles for ease of handling and installation
- 34"H x 14-3/4"W x 7-1/2"D
- 1" Swivel (FPT) inlet/outlet
- 230/60/1, White cabinet
- Suffix:
  - M = Grundfos 26-116 pump
  - None = without pump
- 5-Year warranty



Part #	Mfg #	Description	Price
104061	1-230QFC	(1) 1/6 hp Pump, 230V	
130846	1-230QFC-M	(1) 1/6 hp Pump, 230V	
104062	2-230QFC	(2) 1/6 hp Pumps, 230V	
130845	2-230QFC-M	(2) 1/6 hp Pumps, 230V, 26-116 Pump	

#### EA Non-Pressurized Flow Center

- Constructed of stainless steel
- Install (2) heat pumps and connect to the loop field
- Special (2) circuit flow center designed for 6 to 10 ton split coils or total 28 gpm with 2 pumps on each each circuit for one common loop field
- Outlet: 1-1/4" FPT
- Inlet: 1-1/4" MPT
- Field assembly required



Part #	Mfg #	Description	Price
100570	2-1E-A-KFC-SS	(3) 1/6 hp Pumps, 22* gpm. 3.21A/230V	26-99
101424	2-2E-A-KFC-SS.16	(4) 1/6 hp Pumps, 28* gpm. 4.28A/230V	26-99

\*Standard: IPT on Inlet Connection. Union can be special ordered. \*For Max Flow Use Grundfos 116F-1.8 AMPS per pump. EXTRA for 116F Pumps EA

### Flow Center Accessories

#### WF-400N Series In-Line Flowmeter

- Acrylic rod stock polished to clear-as-glass finish
- Easy to read scales screen printed on meter body
- Adapters reinforced with aluminum stress rings for added strength
- Viton o-ring seals



Part #	Mfg #	Description	Price
115304	F-41017LN-16	1.0 to 17 gpm, 1" FPT	

#### GT Flowmeter Tool

- Provides direct reading of system flow rate



Part #	Mfg #	Description	Price
055519	1-WFT17-A	17 gal with Case	

#### Hose Kit - Complete Installation

- Includes:
  - (2) PEVT666S
  - (2) SPE66
  - (2) RGSE10025
  - (2) RBHE1000
  - (12) WS13053
  - (2) N76-02
  - (1) BRC1PE6
  - 12' WH01-200



Part #	Mfg #	Description	Price
131431	FC-CHK-KIT1-12	Complete Installation Hose Kit	5

#### Hose Kit

- Closed loop



Part #	Mfg #	Size	Price
106902	HK-3/4-1-12	3/4" x 1" x 12'	
097338	HK-1-12	1" x 12'	
099080	HK-1-114-12	1" x 1-1/4" x 12'	



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## Geothermal Accessories

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### Hose

Part #	Mfg #	Description	Price
122365	WH01-200	1" x 50' 200 psi Rubber Hose Only	
122366	WH0125-150	1-1/4" x 50' 150 psi Rubber Hose Only	

### Parts

#### Brass Barb Fitting

Part #	Mfg #	Description	Price
098750	RGSE-10725	3/4" MIP x 1" Barb Elbow with PT Port	
098749	RGSE-10025	1" MIP x 1" Barb Elbow with PT Port	
095402	BRC1PE6	1" Brass Barb x 1-1/4" Fusion Coupling	




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**Geothermal Accessories**

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**Hydron Geothermal Unit Filters**

Part #	Mfg #	Size	Price
149446	ZLPSP23.75x29.75x1EXACT	23.75" x 29.75" x 1"	
149387	ZLPSP27.75x29.75x1EXACT	27.75" x 29.75" x 1"	
149447	ZLPSP27.75x31.75x1EXACT	27.75" x 31.75" x 1"	
149386	ZLPSP27.75x33.75x1EXACT	27.75" x 33.75" x 1"	
149448	ZLPSP27.75x35.75x1EXACT	27.75" x 35.75" x 1"	



## Ceiling Grilles & Registers

### Residential Ceiling Diffusers

#### 11 Duct Ring for #16 Diffuser

- All-steel construction
- For installation of #16 diffuser when not using a damper
- Golden Sand enamel finish



Part #	Mfg #	Size	Price
005097	HC1110	10"	
005098	HC1112	12"	

#### 12 Butterfly Damper for #16 Diffuser

- All-steel construction
- Controls air volume evenly over entire #16 diffuser
- Removable knob operator for adjustment from closed to fully open
- Golden Sand enamel finish



Part #	Mfg #	Size	Price
005105	HC126	6"	
005106	HC128	8"	
005102	HC1210	10"	
005103	HC1212	12"	

#### 16 Steel Round Diffuser

- All-steel construction
- Step-down diffuser rings deflect air stream 360 degrees
- Bright White finish



Part #	Mfg #	Size	Price
005109	HC166	6"	
005110	HC168	8"	
005107	HC1610	10"	
005108	HC1612	12"	
017523	HC1614	14"	

#### 22 Steel Butterfly Damper for #24 Diffuser

- All-steel construction
- Used with #24 Ceiling Diffuser
- Knob control for quick adjustment (removable)
- Installation flange included
- Golden Sand enamel finish



Part #	Mfg #	Size	Price
005121	HC226	6"	
005122	HC228	8"	
005119	HC2210	10"	

#### 24 Steel, Step Down, Square Diffuser

- All-steel construction
- Step-down face deflects air stream 360 degrees
- Bright White finish



Part #	Mfg #	Size	Price
005125	HC246	6"	
005126	HC248	8"	

## Ceiling Grilles & Registers

### Ceiling Air Diffusers

#### Airtec™ Classic Air Diffuser - Standard

- 8" x 8" Diffuser assembly



81911



81914

Part #	Mfg #	Description	Price
043588	81911	Round Grille/Damper/Box	
038122	81914	4-Way Grille/Damper/Box	

#### Airtec™ Classic Air Diffuser - Small

- 6" x 6" Diffuser assembly



Part #	Mfg #	Description	Price
099312	MV360S	Round Grille/Damper/Box	

### Ceiling Support Flanges

#### Rough-In Flange

- Designed for new construction
- RCF Flashing can be fastened to rough framing
- 3/8" Lip that drops below the ceiling



Part #	Mfg #	Description	Price
038125	81965	16" on Center Framing, 9-1/4" Hole	
124324	81964	24" on Center Framing, 9-1/4" Hole	

## Ceiling Grilles & Registers

### Ceiling Diffusers

#### 90 Series Step Down Round Diffuser

- Ideal for residential and light commercial applications
- Steel construction
- Attractive concentric ring deflects air stream 360°
- Soft white



Part #	Mfg #	Size	Price
122593	9006	6"	
122594	9008	8"	
122646	9010	10"	
122647	9012	12"	

### Ceiling Dampers

#### 91 Series Round Bowtie Damper

- For use with 90 series diffusers
- Field installable bowtie damper with wound ring
- Mill finish



Part #	Mfg #	Size	Price
122595	9106	6"	
122597	9108	8"	
122649	9110	10"	
122650	9112	12"	

#### 92 Series Round Ring

- Use in applications for installing round without damper
- Steel construction

Part #	Mfg #	Size	Price
122659	9206	6"	
122660	9208	8"	
123473	9210	10"	
122661	9212	12"	

**Grilles & Registers**

**Ceiling Air Diffusers**

**Techgrille Diffuser**

- Ceiling-mount
- Fully adjustable 6"



Part #	Mfg #	Description	Price
019280	EAG4CPU	Round, 4" Fully Adjustable	
019281	EAG6CPU	Round, 6" Fully Adjustable	
019282	EAG8CPU	Round, 8" Fully Adjustable	

**CFUSA Ceiling/Wall Fit**

Part #	Mfg #	Size	Price
019278	EACF6	6"	

**Accessories**

Part #	Mfg #	Description	Price
049689	EAQMF	6" Quick Mount Fitting	

## Commercial Grilles & Registers

### Commercial T-Bar Accessories

#### 3800 Round Butterfly Damper for T-bar Diffusers

- Adjustable butterfly damper with removable handle (included)
- For use with 5400 and 6400 Series collars
- Golden Sand finish



Part #	Mfg #	Size	Price
005154	HC3806	6"	
005155	HC3807	7"	
005156	HC3808	8"	
005158	HC3810	10"	
005159	HC3812	12"	
005160	HC3814	14"	

#### 5400PP Push Pins for 5400 Series Ring Collar

- Attaches 5400 collar to molded fiberglass back for the following products:
- 659TI 1 1/4" long
- PFTI 1 1/4" diameter head
- RENP, RENPS/RENPS R6, RE5TI, 96AFBTI, REN4 HVS R6, SRET/SRET R6



Part#	Mfg#	Description	Price
051009	HC5400PP	For 5400 Series	

#### 5400 Galvanized Steel Ring Collar

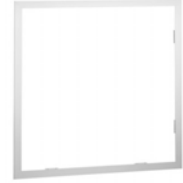
- Unique snap-in design for easy installation
- 2" high collar permits easy flex connections
- Bead on collar improves the strength and provides retention for flexible duct connections
- 14" collar is mounted to diffuser at factory for steel back panels only.



Part #	Mfg #	Size	Price
005200	HC5406	6"	
005201	HC5407	7"	
005202	HC5408	8"	
005204	HC5410	10"	
005205	HC5412	12"	
005206	HC5414	14"	

#### SMF Surface Mount Frame for T-bar Diffusers

- Aluminum construction
- Permits installation of standard T-Bar diffusers in a plaster ceiling
- Accepts standard T-Bar diffusers
- Bright White finish



Part #	Mfg #	Size	Price
185026	HCSMF1212	12" x 12"	

### Commercial T-Bar Surfaire/Renovator Diffusers

#### 444 Aluminum Renovator Series Diffuser

- Unique deflector apertures
- Formed galvanized steel back panel
- Frame includes four seismic safety connections
- Back plate covered with glass fiber insulation to reduce condensation
- Aluminum foil vapor barrier protects insulation from harmful effects of condensation
- Insulation prescored to accommodate collar size desired
- Accepts snap-in collar (5400 Series) (6" to 12")
- 444 - 14" collar is factory-installed
- Utilizes butterfly damper (3800 Series) inserted in collar
- Bright White finish



Part #	Mfg #	Size	Price
005194	HC444	23-3/4" x 23-3/4"	

### Commercial T-Bar Fixed-pattern Diffusers

#### DPD Steel Plate Diffuser, 6-14" Fixed Collars

- Aesthetically appealing, single-face plate design
- 360 degree air diffusion pattern
- Detachable face plate
- 2" fixed collar
- Optional R6 insulated back (DPD R6)
- White finish



Part #	Mfg #	Size	Price
184998	HCDPD6	6"	
185000	HCDPD8	8"	
185001	HCDPD10	10"	
185003	HCDPD12	12"	

**Commercial Grilles & Registers**

**FPDSteel/Aluminum 4-way Diffuser, 2 Cone Design, 6-14" Fixed Collars**

- Steel construction
- AFPD is Aluminum construction
- Provides high air volume delivery
- 360-degree air diffusion
- Two-cone fixed core
- Fixed collar 6" to 14"
- Unique 2" high collar permits easy flex connections
- Utilizes butterfly damper (3800 Series) inserted in collar; order separately
- Damper adjustable through face
- Formed back panel
- Bright White finish
- FPD6 features insulated back



Part #	Mfg #	Size	Price
184981	HCFPD6	6"	
184982	HCFPD8	8"	
184983	HCFPD10	10"	
184984	HCFPD12	12"	
184986	HCFPD14	14"	

**FPD12 Steel 4-way Diffuser for 1' x 1' T-bar Ceiling, 6-8" Fixed Collars**

- Steel construction
- 360-degree air diffusion
- Two-cone fixed core
- Fixed collar
- Removable plug for damper
- Used with SMF for surface-mount applications
- Bright White finish



Part #	Mfg #	Size	Price
184987	HCFPD126	6"	
184988	HCFPD128	8"	

**FPD3 Steel 4-way Diffuser, 3 Cone Design, 6-14" Fixed Collars**

- Steel construction
- Provides high air volume delivery
- 360-degree air diffusion
- Three cone fixed core
- Fixed collar 6" to 14"
- Unique 2" high collar permits easy flex connections
- Utilizes butterfly damper (3800 Series) inserted in collar
- Damper adjustable through face
- Formed steel back panel
- Bright White finish
- FPD3 R6 features insulated back



Part #	Mfg #	Size	Price
029666	HCFPD308	8"	
029667	HCFPD310	10"	

**HVS Steel High Volume Supply Diffuser, 4-way, 3 Cone Design, Molded Insulated Back**

- Steel construction
- Provides high air volume delivery
- 360-degree air diffusion
- Formed back panel
- Fixed core
- Fiberglass insulation blanket with foil vapor barrier to minimize condensation on HVS
- Insulation prescored to accommodate collar size desired
- R6 molded fiberglass back on HVS R6; use 5400 with 540PP
- Accepts unique 2' high snap-collar (5400 series) (6" to 12")
- Utilizes butterfly damper (3800 Series) inserted in collar—order separately
- Bright White finish
- HVS14-14" collar factory-installed



Part #	Mfg #	Size	Price
005080	HCHVS2424	24" x 24"	



**Commercial Grilles & Registers**

**Commercial Registers & Grilles**

**821 Steel Register Vertical Fins, MS damper**

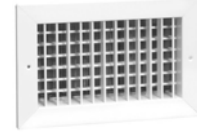
- All-steel construction
- Vertical, adjustable face bars
- Horizontal multi-shutter valve
- Bright White finish



Part #	Mfg #	Size	Price
024742	HC82166	6" x 6"	
184729	HC82188	8" x 8"	
005317	HC821104	10" x 4"	
005318	HC821106	10" x 6"	
184730	HC821108	10" x 8"	
062220	HC8211010	10" x 10"	
005319	HC821124	12" x 4"	
005320	HC821126	12" x 6"	
005321	HC821128	12" x 8"	
184732	HC8211210	12" x 10"	
054931	HC8211212	12" x 12"	
005323	HC821144	14" x 4"	
005324	HC821146	14" x 6"	
005325	HC821148	14" x 8"	
184734	HC8211412	14" x 12"	
005322	HC8211414	14" x 14"	
005327	HC821166	16" x 6"	
005328	HC821168	16" x 8"	
005326	HC8211616	16" x 16"	
051585	HC821186	18" x 6"	
115183	HC821188	18" x 8"	
031309	HC8211812	18" x 12"	
184740	HC8211818	18" x 18"	
034182	HC821206	20" x 6"	
005329	HC821208	20" x 8"	
032180	HC8212010	20" x 10"	
184742	HC8212016	20" x 16"	
005331	HC821248	24" x 8"	
184743	HC8212410	24" x 10"	
005330	HC8212412	24" x 12"	
063703	HC8213010	30" x 10"	
184746	HC8213016	30" x 16"	

**92VHV Steel Double Deflection Register, OBD damper**

- All-steel construction
- Vertical front bars
- Horizontal second bars
- Adjustable face bars may be set to any desired deflection
- Opposed-blade damper
- Larger sizes available in multiple-piece construction
- Bright White finish



Part #	Mfg #	Size	Price
020316	HC92VHV126W	12" x 6"	

**94A — Steel Return Air Grille, 35-degree Fixed Blade**

- All-steel construction
- 3/4" spaced fins set at 35 degree, horizontal face bars
- Larger sizes available in multiple-piece construction
- Also available as 94AT T-Bar Return Grille
- Bright White finish



Part #	Mfg #	Size	Price
025524	HC94A1212	12" x 12"	
026458	HC94A2020	20" x 20"	

**RHF45 Aluminum Return Air Filter Grille, 45-degree Fixed Blade**

- Extruded aluminum construction
- Horizontal bars at 45 degrees
- Hinged on the bottom edge
- Accommodates standard 1" thick disposable filter (not included)
- Filter grilles equipped with plastic slide latch
- Bright White or Satin Anodized finish



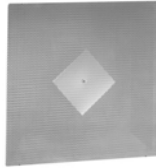
Part #	Mfg #	Size	Price
197825	HCRHF452424W	24" x 24"	

**Commercial Grilles & Registers**

**Commercial T-Bar Perforated Supply/Returns**

**RENPS Steel/Aluminum Perforated Supply**

- Perforated steel face with deflector
- Molded fiberglass back panel available in R4.2 or R6
- Accepts 6" to 14" unique tab collar (6400 series) or 6" to 16" unique snap-in collar (5400 and 5400PP series); also accepts standard spin-in collar
- ARENPS constructed with aluminum face
- Bright White finish



Part #	Mfg #	Size	Price
030255	HCRENPS	24" x 24"	

**Commercial T-Bar Return Air Filter Grilles**  
**659T Steel Lanced Return Air Filter Grille, 1/3" Fin Spacing**

- Steel construction
- Lanced-face design with 1/3" blade spacing
- Flush, removable face with concealed latches and hinges can be installed in any direction
- Uses standard 1" disposable filters (not furnished)
- Bright White finish
- Available sizes

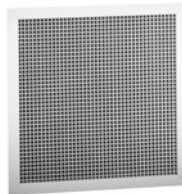


Part #	Mfg #	Size	Price
005278	HC659T2020	20" x 20"	

**Commercial T-Bar Return Air Grilles**

**RE5T Aluminum Eggcrate Return Air Grille**

- All aluminum construction
- Eggcrate style face
- Mount flush with T-Bar ceilings
- Bright White or Mill Aluminum finish



Part #	Mfg #	Size	Price
185005	HCRE5T4824	48" x 24"	

**Commercial Ceiling Diffusers**

**SRE Steel Louvered Ceiling Diffuser, Flat Margin**

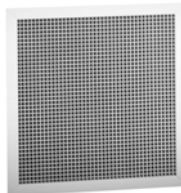
- Steel construction
- Removable core
- Flat (extended) margin style
- Optional opposed-blade damper available for field installation, SR7
- Bright White enamel finish



Part #	Mfg #	Size	Price
185030	HCSRE1212	12" x 12"	

**RE5TI Eggcrate Return Grille with Insulated Back**

- All aluminum construction
- Eggcrate style face
- R4.2 molded fiberglass back
- Accepts 6" to 14" unique tab collar (6400 series) or 6" to 16" unique snap-in collar (5400 and 5400PP series); also accepts standard spin-in collar
- Bright White or Mill Aluminum finish



Part #	Mfg #	Size	Price
005091	HCRE5TI	23-3/4" x 23-3/4"	

**Molded Fiberglass Plenum-Backed T-Bar Back**

- Deep plenum cavity
- "R" Values Of 4.2, 6.0 and 8.0
- UI 181 erosion and impact test
- 6"-16" Diameter pre-scored back allows neck to be determined at time of installation
- Bonded foil vapor barrier minimizes condensation



Part #	Mfg #	Size	Price
240046	HC010147	24" x 24"	



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## Commercial Grilles & Registers

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### Commercial Spiral Diffusers

#### SV Aluminum Single Deflection Spiral Diffuser

- Extruded aluminum construction
- Single row of individually adjustable vertical blades for horizontal air-deflection control
- Available as diffuser only or diffuser with air scoop (SV3)
- Optional face adjustable scoop to direct airflow
- Counter-sunk screw holes
- Bright White and Satin Anodized finishes



Part #	Mfg #	Size	Price
233102	HCSV11048	8"	
233105	HCSV110410	10"	
233106	SV110412	12"	
233107	HCSV110414	14"	
233108	HCSV110418	18"	

## Commercial Grilles & Registers

### Commercial Grilles

#### 106 FG Series T-Bar Fiberglass Back Filter Grille

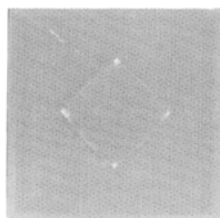
- Return air T-Bar lay-in filter grille
- Removable louvered 20 gauge steel face
- 7/8" Fiberglass back plenum cut holes
- Seismic support holes
- Soft white



Part #	Mfg #	Size	Price
123390	106FG	20" x 20"	

#### 111 Series T-Bar Fiberglass Back Grille

- Perforated face
- Seismic support hangers
- One size fits 6" - 16"



Part #	Mfg #	Size	Price
124378	111	24" x 24"	

#### USR34 Universal Spiral Grille

- Double deflection adjustable blade grille
- Front blades are parallel to shortest dimension
- Back blades are parallel to longest dimension
- 4-way airflow adjustment
- Galvanized steel construction
- Nylon bushings on adj. blades prevent metal on metal rattle



Part #	Mfg #	Size	Price
184527	USR34-FS-12X3	12" x 3"	
158617	USR34-FS-12X4	12" x 4"	
158618	USR34-FS-12X6	12" x 6"	
158619	USR34-FS-14X6	14" x 6"	
158620	USR34-FS-16X4	16" x 4"	
158622	USR34-FS-18X6	18" x 6"	
158625	USR34-FS-20X6	20" x 6"	
158626	USR34-FS-24X4	24" x 4"	

### Commercial Diffusers

#### 600T Series Aluminum Lattice T-Bar Diffuser

- 1/2" x 1/2" x 1/2" Aluminum lattice return air T-Bar lay-in grille
- .055 T6 Extruded aluminum frame
- Square collar
- For 22" x 22" duct
- Soft white

Part #	Mfg #	Size	Price
126891	600T2424	24" x 24"	

#### 601T Series Aluminum Lattice T-Bar Diffuser

- 1/2" x 1/2" x 1/2" Aluminum lattice return air T-Bar lay-in grille
- .055 T6 Extruded aluminum frame
- Fiberglass back (2" x 2" only, collar by others)
- For 22" x 22" duct
- Soft white

Part #	Mfg #	Size	Price
123571	601T2424	24" x 24"	

#### FTD Series Fixed T-Bar High Volume Diffuser

- Galvaneal steel face designed for high air volume delivery
- 360° Air diffusion
- No labor collar
- Seismic support hangers
- Soft white



Part #	Mfg #	Size	Price
123411	FTD6	24" x 24" x 6"	
123412	FTD8	24" x 24" x 8"	
123408	FTD10	24" x 24" x 10"	
123409	FTD12	24" x 24" x 12"	
123410	FTD14	24" x 24" x 14"	

#### FTD-INS Series Fixed T-Bar High Volume Diffuser

- Includes fiberglass backed plenum insulation
- Galvaneal steel face designed for high air volume delivery
- 360° Air diffusion
- No labor collar
- Seismic support hangers
- Soft white



Part #	Mfg #	Size	Price
123422	FTD-INS6	24" x 24" x 6"	

## Commercial Grilles & Registers

### Commercial Diffusers (Continued)

#### FTD-INS Series Fixed T-Bar High Volume Diffuser

Part #	Mfg #	Size	Price
123423	FTD-INS8	24" x 24" x 8"	
123414	FTD-INS10	24" x 24" x 10"	
123419	FTD-INS12	24" x 24" x 12"	
123420	FTD-INS14	24" x 24" x 14"	

#### HVD Series 3-Cone T-Bar Diffuser

- Cones are 1-piece stamped construction providing a clean, smooth style
- 360° Air diffusion
- Excellent for variable air volume applications
- Hinged-down core for easy access
- No labor collar
- Seismic support hangers
- Soft white



Part #	Mfg #	Size	Price
141067	HVD6	24" x 24" x 6"	
140762	HVD8	24" x 24" x 8"	

### Commercial Dampers

#### BD Series Bowtie Damper

- For use with T-bars
- Field installable butterfly damper
- Mill finish



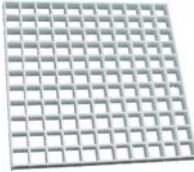
Part #	Mfg #	Size	Price
123406	BD-6	6"	
123407	BD-8	8"	
123403	BD-10	10"	
123404	BD-12	12"	
123405	BD-14	14"	

**Commercial Grilles & Registers**

**Ventilation Diffusers**

**Air Return Diffuser**

- Egg crate lay-in louver
- White polystyrene 1/2" open cell grid



Part #	Mfg #	Size	Price
192724	650-100	2' x 4' x 1/2"	
186187	650-300	2' x 2' x 1/2"	

## Deflectors

### Dryer Venting

#### Supurr-Vent® Louvered Vent Hood



Part #	Mfg #	Size	Color	Price
108462	HS6B	6"	Brown	

### Specialty Vents/Hoods

#### Fresh Air Intake Vent

- Includes molded 1/4" plastic screen



Part #	Mfg #	Size	Color	Price
104250	HSM6B	6"	Brown	

### Undereve® Vent

#### For Clothes Dryer or Bathroom Exhaust Venting

- Helps prevent cold air from entering the home
- Helps prevent birds from nesting in the vent and rodents from entering the home
- Designed to vent clothes dryer exhaust, bathroom exhaust and any other venting up to 5" in diameter
- Easy installation: assemble vent, connect duct to opening made in eave, attach Undereve® vent



Part #	Mfg #	Description	Price
045755	EVE/6	White Vent - Case/6	

**Floor Grilles & Registers**

**Residential Floor Registers & Grilles**

**210 Heavy Duty Steel Floor Register**

- All-steel construction
- Provides firm, smooth surface
- Extremely rigid
- Free area averages over 75%
- Toe-operated valve control
- Golden Sand enamel finish



Part #	Mfg #	Size	Price
005117	HC210810GS	8" x 10"	
005118	HC210812GS	8" x 12"	
005111	HC2101012GS	10" x 12"	
026164	HC2101214GS	12" x 14"	

**265 Heavy Duty Steel Floor Grille**

- All-steel construction
- Provides firm, smooth surface
- Extremely rigid
- Free area averages over 75%
- Golden Sand enamel finish



Part #	Mfg #	Size	Price
005136	HC265410GS	4" x 10"	
005143	HC265612GS	6" x 12"	
005144	HC265614GS	6" x 14"	
042407	HC265616GS	6" x 16"	
005146	HC265624GS	6" x 24"	
005147	HC265630GS	6" x 30"	
032870	HC265810	8" x 10"	
005148	HC265812GS	8" x 12"	
005149	HC265814GS	8" x 14"	
088042	HC265816GS	8" x 16"	
020905	HC265820GS	8" x 20"	
005150	HC265824GS	8" x 24"	
005151	HC265830GS	8" x 30"	
005129	HC2651012GS	10" x 12"	
037475	HC2651014GS	10" x 14"	
184412	HC2651018GS	10" x 18"	
019796	HC2651020GS	10" x 20"	
005130	HC2651024GS	10" x 24"	
005131	HC2651030GS	10" x 30"	
005127	HC265GS1212	12" x 12"	
005132	HC2651214GS	12" x 14"	
050049	HC2651220GS	12" x 20"	
005133	HC2651224GS	12" x 24"	
005134	HC2651230GS	12" x 30"	
020973	HC2651414GS	14" x 14"	

**Residential Floor Registers & Grilles**

**(Continued)**

**265 Heavy Duty Steel Floor Grille**

Part #	Mfg #	Size	Price
184413	HC2651420GS	14" x 20"	
184414	HC2651424GS	14" x 24"	
005135	HC2651430GS	14" x 30"	
184415	HC2651616GS	16" x 16"	
005128	HC2651620GS	16" x 20"	
020987	HC2651624GS	16" x 24"	
184416	HC2651818GS	18" x 18"	
027023	HC2651824GS	18" x 24"	
019134	HC2651830GS	18" x 30"	
053515	HC2652020GS	20" x 20"	

**420 Steel Toe Kick**

- All-steel construction
- Heavy-gauge, stamped face
- Multi-angle fins
- Golden Sand or Bright White enamel finish



Part #	Mfg #	Size	Price
005175	HC42010214	10" x 2-1/4"	
005177	HC42012214	12" x 2-1/4"	
005180	HC42014214	14" x 2-1/4"	
184432	HC420104	10" x 4"	
005176	HC420102GS	10" x 2"	
005178	HC42012214GS	12" x 2-1/4"	
005181	HC42014214GS	14" x 2-1/4"	
184431	HC420104GS	10" x 4"	
184434	HC420124GS	12" x 4"	
116509	HC420144GS	14" x 4"	

**421 Steel Floor Register**

- All-steel construction
- Multi-angle fin setting
- Rolled fin for strength and safety
- Welded construction
- Foot-operated dial control
- Heavy-gauge, stamped face
- Golden Sand or Bright White enamel finish



Part #	Mfg #	Size	Price
055429	HC42148GS	4" x 8"	
005183	HC42121410GS	2-1/4" x 10"	
005185	HC42121412GS	2-1/4" x 12"	
005187	HC42121414GS	2-1/4" x 14"	
005189	HC421410GS	4" x 10"	

**Floor Grilles & Registers**

**Residential Floor Registers & Grilles  
(Continued)**

**421 Steel Floor Register**

Part #	Mfg #	Size	Price
005191	HC421412GS	4" x 12"	
005193	HC421414GS	4" x 14"	
184436	HC421610GS	6" x 10"	
046343	HC421612GS	6" x 12"	
184437	HC421614GS	6" x 14"	
005182	HC42121410	2-1/4" x 10"	
005184	HC42121412	2-1/4" x 12"	
005186	HC42121414	2-1/4" x 14"	
005188	HC421410	4" x 10"	
005190	HC421412	4" x 12"	
005192	HC421414	4" x 14"	
027852	HC421610	6" x 10"	
045827	HC421612	6" x 12"	

**Residential Baseboard Registers & Grilles**

**406 Steel Baseboard Diffuser 4.5" Ht**

- All-steel construction
- Blankets wall or window area
- Golden Sand or Bright White enamel finish
- 406 18" Shown



Part #	Mfg #	Size	Price
074588	HC40615	15"	
005162	HC406	18"	
005163	HC406GS	18"	
196111	HC406GS15	15"	

**462 Steel 2 Ft Baseboard Diffuser**

- All-steel construction
- Two-foot length
- Airfoil valves reduce resistance
- Equal air distribution over the length of the diffuser
- Face can be easily removed
- Golden Sand or Bright White enamel finish



Part #	Mfg #	Size	Price
048228	HC462GS	2'	
005195	HC462	2'	

**407 Steel Baseboard Return 4.5" Ht**

- All-steel construction
- Complementary return air grille for #406 supply
- Golden Sand or Bright White enamel finish



Part #	Mfg #	Size	Price
005165	HC407GS	18"	

**657 Steel Baseboard Return**

- One-piece steel construction
- 1/3" spaced fins set at 20 degrees
- 7/8" margin turnback
- Exceptional free area
- Install with fins upward or downward for best duct concealment
- Complementary return air grille for #654 supply or #664 supply
- Golden Sand or Bright White enamel finish



Part #	Mfg #	Size	Price
005265	HC657146	14" x 6"	
005267	HC657148	14" x 8"	
005271	HC657306	30" x 6"	
005272	HC657306GS	30" x 6"	

**658 Steel Baseboard Return, Base Projection**

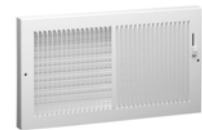
- All-steel construction
- 1/3" spaced fins set at 20 degrees
- Complementary return air grille for #655 supply
- Bright White enamel finish



Part #	Mfg #	Size	Price
035916	HC658308W	30" x 8"	
005276	HC658306	30" x 6"	

**664 Steel Baseboard Register, Multi-Shutter Damper**

- All-steel construction
- 1/3"-spaced fins set at 20 degrees
- 7/8" margin turnback
- 1-5/8" depth when fully opened
- Exceptional free area
- Ideal for shallow duct installations
- Multi-shutter valve
- Bright White enamel finish



Part #	Mfg #	Size	Price
184516	HC66486	8" x 6"	



## Floor Grilles & Registers

### Floor Grilles

#### 1033 Series Return Air Grille

- 1/3" Spacing dual angular louvers
- 20 and 22 Gauge cold roll steel
- Install with louvers in up or down position for best duct concealment
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws



Part #	Mfg #	Size	Color	Price
123787	1033W1406	14" x 6"	White	
123788	1033W2406	24" x 6"	White	
123789	1033W3006	30" x 6"	White	
123790	1033W3008	30" x 8"	White	

#### 1165 Series Triangular Baseboard Return Air Grille

- 1/2" Spacing dual angular louvers

Part #	Mfg #	Size	Color	Price
123238	1165W1406	14" x 6"	White	
123239	1165W2406	24" x 6"	White	
123240	1165W3006	30" x 6"	White	

#### 1600 Series Floor Grille

- Steel honeycomb construction
- Flush core and frame provides smooth surface
- Free area equals more than 75% of nominal size
- Driftwood tan



Part #	Mfg #	Size	Price
123675	16000424	4" x 24"	
122662	16000612	6" x 12"	
122663	16000614	6" x 14"	
122664	16000624	6" x 24"	
122665	16000630	6" x 30"	
122666	16000814	8" x 14"	
122667	16000824	8" x 24"	
122668	16001012	10" x 12"	
122670	16001214	12" x 14"	
123873	16001230	12" x 30"	
125839	16001420	14" x 20"	

#### 1075 Series Heavy Duty Return Air Grille

- 1/2" Spacing dual angular louvers
- 20 and 22 Gauge cold roll steel
- Mullions are reinforced with stiffeners for greater strength
- For applications where greater air volume is required
- Install with louvers in up or down position for best duct concealment
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Soft white



Part #	Mfg #	Size	Price
149124	10751204	12" x 4"	

#### 1133 Series Baseboard Return Air Grille

- Stamped face
- 1/3" Spacing dual angular louvers

Part #	Mfg #	Size	Color	Price
124305	1133B1406	14" x 6"	Brown	
123791	1133W1406	14" x 6"	White	
123795	1133W3006	30" x 6"	White	

#### TD Series Toe Space Grille with Damper

- Formed cold roll steel
- Ideal for return air in the toe space areas between kitchen cabinets, stair risers, built-in vanities, etc
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Multi-shutter damper

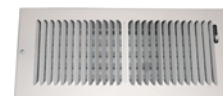


Part #	Mfg #	Size	Color	Price
123575	TD21412W	2-1/4" x 12"	White	

### Floor Registers

#### 855 Series Baseboard Register

- Stamped face
- Steel construction
- Fan shaped 1/2" spaced louvers
- Steel multi-shutter damper
- 7/8" Margin turnback
- All component parts, rivets, linkage and handle enclosed in valve to assure trouble-free operation
- Soft white



Part #	Mfg #	Size	Price
123569	8551206	12" x 6"	



## Floor Grilles & Registers

### 1550 Series Floor Register

- Mounting holes for sidewall and ceiling applications
- Steel honeycomb construction
- Flush core and frame provides smooth surface
- Free area equals more than 75% of nominal size
- Recessed, screwdriver-operated, opposed blade damper to control air volume for positive balance of system
- Positive volume set screw
- Driftwood tan



### Floor Diffusers (Continued)

#### 350 Series Stamped Deluxe Floor Diffuser

Part #	Mfg #	Size	Color	Price
122943	35021412W	2-1/4" x 12"	White	
122944	35021414B	2-1/4" x 14"	Brown	
122945	35021414W	2-1/4" x 14"	White	
141396	3500414B	4" x 14"	Brown	
122951	3500414W	4" x 14"	White	

Part #	Mfg #	Size	Price
122636	15500612	6" x 12"	

### Floor Diffusers

#### 325 Series Stamped Perimeter Floor Diffuser

- Cold rolled steel construction
- Opposed blade damper standard
- All component parts, rivets, linkage, and handle are enclosed in the valve to assure trouble-free operation
- Locking screw provision concealed beneath the floor for tamper proof settings
- Sold in carton quantity only



Part #	Mfg #	Size	Color	Price
123510	3250410B	4" x 10"	Brown	
123509	3250410W	4" x 10"	White	
123043	3250412B	4" x 12"	Brown	
123042	3250412W	4" x 12"	White	

#### 350 Series Stamped Deluxe Floor Diffuser

- Heavy-gauge cold-rolled steel
- Louvers designed with rolled rib for maximum strength and rigidity
- Unique fan-shaped air patterns lends to both heating and air conditioning applications
- Opposed blade damper standard on 4" widths
- Parallel blade damper on 6" widths and larger
- All component parts, rivets, linkage, and handle are enclosed in the valve to assure trouble-free operation



Part #	Mfg #	Size	Color	Price
122941	35021410B	2-1/4" x 10"	Brown	
122940	35021410W	2-1/4" x 10"	White	
122942	35021412B	2-1/4" x 12"	Brown	

## Grille & Register Accessories

### Accessories

#### Handle

Part #	Mfg #	Description	Price
130875	55	Bow-Tie Plastic Handle	

#### Screws and Bits

Part #	Mfg #	Description	Price
124653	C	8" x 2" Phillips Panhead Baseboard Screw	

#### Insulation

Part #	Mfg #	Description	Price
128739	FBP	Fiberglass Back Plenum	

#### Paint

Part #	Mfg #	Description	Price
136689	45	Driftwood Tan Spray Paint, 4.5 oz	

## Sidewall Grilles & Registers

### Residential Sidewall Registers & Grilles

#### A613MS Aluminum Curved Blade Register 3 Way

- Aluminum face/fin construction
- For sidewall or ceiling application
- Three-way deflection
- Three-way air pattern
- Adjustable curved blades increase deflection control
- Galvanized multi-shutter valve or opposed-blade damper
- Bright White finish



Part #	Mfg #	Size	Price
184953	HCA613MS88	8" x 8"	

#### A614MS Aluminum Curved Blade Register 4 Way

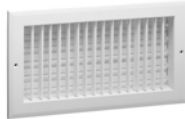
- Aluminum face/fin construction
- For sidewall or ceiling application
- Four-way deflection
- Four-way air pattern
- Adjustable curved blades increase deflection control
- Galvanized multi-shutter valve or opposed-blade damper
- Bright White finish



Part #	Mfg #	Size	Price
184956	HCA614MS1010	10" x 10"	

#### A618MS Aluminum Straight Blade, Vertical Fin Register

- Aluminum face/fin construction
- Adjustable straight fins provides individual deflection control
- Stamped-face margins eliminate mitered corners and rough edges
- Galvanized multi-shutter valve or opposed-blade damper
- Bright White finish



Part #	Mfg #	Size	Price
184957	HCA618MS104	10" x 4"	
184958	HCA618MS106	10" x 6"	
184962	HCA618MS124	12" x 4"	
184963	HCA618MS146	14" x 6"	

### 650 Steel Return Air Grille, 1/3" Fin Spacing

- Aluminum construction (A650)
- All-steel construction (650)
- 1/3" spaced fins set at 20 degrees
- Exceptional free area
- 5/16" Margin Turnback
- Bright White finish



Part #	Mfg #	Size	Price
073815	HC65064	6" x 4"	
184444	HC65066	6" x 6"	
184445	HC650614	6" x 14"	
005262	HC65088	8" x 8"	
055788	HC650814	8" x 14"	
005212	HC650104	10" x 4"	
005213	HC650106	10" x 6"	
005211	HC6501010	10" x 10"	
184446	HC6501014	10" x 14"	
005217	HC650124	12" x 4"	
005218	HC650126	12" x 6"	
005219	HC650128	12" x 8"	
005215	HC6501212	12" x 12"	
005223	HC650144	14" x 4"	
005224	HC650146	14" x 6"	
005225	HC650148	14" x 8"	
005220	HC6501410	14" x 10"	
005221	HC6501412	14" x 12"	
005222	HC6501414	14" x 14"	
021112	HC6501416	14" x 16"	
026359	HC6501420	14" x 20"	
184448	HC6501424	14" x 24"	
017157	HC6501430	14" x 30"	
005229	HC650166	16" x 6"	
005230	HC650168	16" x 8"	
005226	HC6501612	16" x 12"	
005228	HC6501616	16" x 16"	
064671	HC6501620	16" x 20"	
184449	HC6501624	16" x 24"	
005235	HC650188	18" x 8"	
005232	HC6501816	18" x 16"	
005233	HC6501818	18" x 18"	
030938	HC6501824	18" x 24"	
005242	HC650206	20" x 6"	
005243	HC650208	20" x 8"	
005236	HC6502010	20" x 10"	
005237	HC6502012	20" x 12"	
005238	HC6502014	20" x 14"	
005239	HC6502016	20" x 16"	

**Sidewall Grilles & Registers**

**Residential Sidewall Registers & Grilles  
(Continued)**

**650 Steel Return Air Grille, 1/3" Fin Spacing**

Part #	Mfg #	Size	Price
005240	HC6502020	20" x 20"	
027499	HC6502024	20" x 24"	
016859	HC6502025	20" x 25"	
184451	HC6502030	20" x 30"	
005251	HC650246	24" x 6"	
005252	HC650248	24" x 8"	
005244	HC6502410	24" x 10"	
005245	HC6502412	24" x 12"	
005246	HC6502414	24" x 14"	
005247	HC6502416	24" x 16"	
051527	HC6502418	24" x 18"	
005248	HC6502420	24" x 20"	
005249	HC6502424	24" x 24"	
184452	HC6502430	24" x 30"	
005259	HC650306	30" x 6"	
005260	HC650308	30" x 8"	
005253	HC6503010	30" x 10"	
005254	HC6503012	30" x 12"	
005255	HC6503014	30" x 14"	
033107	HC6503016	30" x 16"	
005256	HC6503020	30" x 20"	
005257	HC6503024	30" x 24"	
031094	HC6503030	30" x 30"	
057267	HC6503610	36" x 10"	
192979	HC650W104	10" x 4"	

**651 Steel 1-way Register, Plate Damper, 1/3" Fin Spacing**

- All-steel construction
- 1/3" spaced fins set at 20 degrees
- Volume-control damper
- Bright White finish



Part #	Mfg #	Size	Price
028561	HC651106	10" x 6"	
184461	HC651146	14" x 6"	

**659 Steel Return Air Filter Grille, 1/3" Fin Spacing**

- All-steel construction
- 1/3" spaced fins set at 20 degrees
- Effectively conceals filter
- Use standard 1" thick disposable filters (not included)
- Removable face for easy installation and cleaning
- Equipped with adjustable filter retainers
- Bright White finish



Part #	Mfg #	Size	Price
184475	HC6592024	20" x 24"	
047973	HC6591616	16" x 16"	
193329	HC6591424	14" x 24"	
025315	HC6591212	12" x 12"	
005280	HC6591414	14" x 14"	
029265	HC6591420	14" x 20"	
005281	HC6591425	14" x 25"	
005282	HC6591620	16" x 20"	
029132	HC6591625	16" x 25"	
184471	HC6591818	18" x 18"	
184473	HC6592010	20" x 10"	
184474	HC6592012	20" x 12"	
005283	HC6592014	20" x 14"	
005284	HC6592016	20" x 16"	
005285	HC6592020	20" x 20"	
005286	HC6592025	20" x 25"	
184476	HC6592030	20" x 30"	
036378	HC6592412	24" x 12"	
074898	HC6592414	24" x 14"	
024434	HC6592418	24" x 18"	
005287	HC6592424	24" x 24"	
030876	HC6592514	25" x 14"	
005288	HC6592516	25" x 16"	
005289	HC6592520	25" x 20"	
005290	HC6592525	25" x 25"	
024640	HC6593012	30" x 12"	
037039	HC6593014	30" x 14"	
005291	HC6593020	30" x 20"	
184484	HC6593024	30" x 24"	
033556	HC6593030	30" x 30"	
197487	HC659W1010	10" x 10"	
197886	HC659W306	30" x 6"	

**Sidewall Grilles & Registers**

**661 Steel 2-way Register, MS damper, 1/3" Fin Spacing**

- Stamped aluminum construction (A661)
- All-steel construction (661)
- Used for ceiling or sidewall installations
- For heating or cooling
- Ideal for shallow duct installations
- Two-way deflection
- 1/3" spaced fins set at 20 degrees
- Galvanized multi-shutter valve
- 1-5/8" depth when fully opened
- Interlocking valve louvers for positive shut-off
- Bright White finish



Part #	Mfg #	Size	Price
005308	HC66184	8" x 4"	
005309	HC66186	8" x 6"	
023966	HC66188	8" x 8"	
005295	HC661104	10" x 4"	
005297	HC661106	10" x 6"	
005298	HC661108	10" x 8"	
005299	HC661124	12" x 4"	
005301	HC661126	12" x 6"	
005302	HC661128	12" x 8"	
005303	HC661144	14" x 4"	
005304	HC661146	14" x 6"	
005305	HC661148	14" x 8"	
005306	HC661168	16" x 8"	
034539	HC661206	20" x 6"	
197453	HC661MFL104	10" x 4"	
029170	HC661WFL124	12" x 4"	

**672 Steel Return Air Grille, 1/2" Fin Spacing**

- All-steel construction
- 1/2" spaced fins set at 40 degrees
- Exceptional free area
- 5/16" Margin Turnback
- Bright White finish



Part #	Mfg #	Size	Price
196547	HC672W188	18" x 8"	
184554	HC6721625	16" x 25"	
196092	HC672W3612	36" x 12"	
061628	HC67288	8" x 8"	
184530	HC672104	10" x 4"	
025481	HC6721010	10" x 10"	
184533	HC672124	12" x 4"	
184535	HC6721212	12" x 12"	

**Residential Sidewall Registers & Grilles (Continued)**

**672 Steel Return Air Grille, 1/2" Fin Spacing**

Part #	Mfg #	Size	Price
184540	HC672144	14" x 4"	
109520	HC672146	14" x 6"	
021777	HC672148	14" x 8"	
184542	HC6721412	14" x 12"	
061627	HC6721414	14" x 14"	
184544	HC6721420	14" x 20"	
184545	HC6721424	14" x 24"	
184547	HC672168	16" x 8"	
184548	HC6721610	16" x 10"	
184551	HC6721616	16" x 16"	
184560	HC6721818	18" x 18"	
184562	HC6722010	20" x 10"	
184564	HC6722014	20" x 14"	
184565	HC6722016	20" x 16"	
184566	HC6722020	20" x 20"	
051946	HC672246	24" x 6"	
027205	HC6722414	24" x 14"	
005313	HC6722416	24" x 16"	
184570	HC6722418	24" x 18"	
184571	HC6722420	24" x 20"	
184572	HC6722424	24" x 24"	
109521	HC672306	30" x 6"	
184575	HC672308	30" x 8"	
184576	HC6723010	30" x 10"	
021779	HC6723014	30" x 14"	
184581	HC6723024	30" x 24"	
184573	HC6722430	24" x 30"	
184546	HC6721430	14" x 30"	
060875	HC6721630	16" x 30"	
184583	HC6723614	36" x 14"	

## Sidewall Grilles & Registers

### 673 Steel Return Air Filter Grille, 1/2" Fin Spacing

- All-steel construction
- 1/2" spaced fins set at 40 degrees
- Effectively conceals filter
- Use standard 1" thick disposable filters (not included)
- Removable face for easy installation and cleaning
- Equipped with adjustable filter retainers
- Bright White finish



### 682 Steel 2-way Register, MS damper, 1/2" Fin Spacing

- All-steel construction (682)
- Aluminum construction (A682)
- Used for ceiling or sidewall installations
- Ideal for shallow duct installations
- Two-way deflection
- 1/2" spaced fins set at 40 degrees
- Multi-shutter valve
- 1 5/8" depth when fully opened
- Interlocking valve louvers for positive shut-off
- Bright White finish
- Available with fusible link option, limited sizes (not UL-listed or fire-rated)



Part #	Mfg #	Size	Price
184588	HC6731010	10" x 10"	
184596	HC6731212	12" x 12"	
239636	HC6731218	12" x 18"	
184598	HC6731220	12" x 20"	
021780	HC6731224	12" x 24"	
184604	HC6731414	14" x 14"	
184606	HC6731420	14" x 20"	
184607	HC6731424	14" x 24"	
038544	HC6731425	14" x 25"	
184609	HC6731430	14" x 30"	
184610	HC6731616	16" x 16"	
038027	HC6731620	16" x 20"	
038019	HC6731625	16" x 25"	
184613	HC6731818	18" x 18"	
184617	HC6732014	20" x 14"	
184618	HC6732016	20" x 16"	
184619	HC6732020	20" x 20"	
184622	HC6732025	20" x 25"	
184626	HC6732412	24" x 12"	
184627	HC6732414	24" x 14"	
184629	HC6732418	24" x 18"	
184631	HC6732420	24" x 20"	
184632	HC6732424	24" x 24"	
184634	HC6732514	25" x 14"	
184635	HC6732516	25" x 16"	
184636	HC6732520	25" x 20"	
184639	HC6733012	30" x 12"	
184640	HC6733014	30" x 14"	
184643	HC6733020	30" x 20"	
184644	HC6733024	30" x 24"	
184620	HC6732024	20" x 24"	
184625	HC6732410	24" x 10"	
184628	HC6732416	24" x 16"	
184602	HC673148	14" x 8"	
184611	HC6731624	16" x 24"	

Part #	Mfg #	Size	Price
184670	HC68288	8" x 8"	
184671	HC682104	10" x 4"	
184672	HC682106	10" x 6"	
184673	HC682124	12" x 4"	
184674	HC682126	12" x 6"	
184676	HC682144	14" x 4"	
184677	HC682146	14" x 6"	
184678	HC682148	14" x 8"	
184679	HC682168	16" x 8"	



## Sidewall Grilles & Registers

### Sidewall Grilles

#### 1050 Series Return Air Grille

- 1/2" Spacing dual angular louvers
- 20 and 22 Gauge cold roll steel
- Install with louvers in up or down position for best duct concealment
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Soft white



Part #	Mfg #	Size	Price
127161	105084	8" x 4"	
148603	1050104	10" x 4"	
123194	10501006	10" x 6"	
123195	10501008	10" x 8"	
123196	10501010	10" x 10"	
123197	10501206	12" x 6"	
123198	10501208	12" x 8"	
123199	10501212	12" x 12"	
123200	10501406	14" x 6"	
123201	10501408	14" x 8"	
123202	10501410	14" x 10"	
123203	10501412	14" x 12"	
123204	10501414	14" x 14"	
137588	10501606	16" x 6"	
127463	10501608	16" x 8"	
123205	10501616	16" x 16"	
123206	10502006	20" x 6"	
123207	10502008	20" x 8"	
123208	10502010	20" x 10"	
123209	10502012	20" x 12"	
123210	10502014	20" x 14"	
123211	10502016	20" x 16"	
123212	10502020	20" x 20"	
129115	10502024	20" x 24"	
123213	1050244	24" x 4"	
123214	10502406	24" x 6"	
123215	10502408	24" x 8"	
123216	10502410	24" x 10"	
123217	10502412	24" x 12"	
123218	10502414	24" x 14"	
123219	10502416	24" x 16"	
123220	10502420	24" x 20"	
123221	10502424	24" x 24"	
123222	10503006	30" x 6"	
123223	10503008	30" x 8"	
123224	10503010	30" x 10"	

### Sidewall Grilles (Continued)

#### 1050 Series Return Air Grille

Part #	Mfg #	Size	Price
123225	10503012	30" x 12"	
132487	10503014	30" x 14"	

#### 1150 Series Baseboard Return Air Grille

- Stamped face
- 1/2" Spacing dual angular louvers

Part #	Mfg #	Size	Color	Price
123229	1150W1206	12" x 6"	White	
123230	1150B1406	14" x 6"	Brown	
123232	1150W1406	14" x 6"	White	
129392	1150W1408	14" x 8"	White	
164097	1150B1408	14" x 8"	Brown	
123234	1150W2406	24" x 6"	White	
123236	1150B3006	30" x 6"	Brown	
123237	1150W3006	30" x 6"	White	
132412	1150W3008	30" x 8"	White	

#### TS Series Toe Space Grille

- Formed cold roll steel
- Ideal for return air in the toe space areas between kitchen cabinets, stair risers, built-in vanities, etc
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws



Part #	Mfg #	Size	Color	Price
122736	TS0210B	2" x 10"	Brown	
122591	TS0212B	2" x 12"	Brown	
122737	TS0212W	2" x 12"	White	
122740	TS0214B	2" x 14"	Brown	
122738	TS0214W	2" x 14"	White	
122592	TS0412W	4" x 12"	White	

## Sidewall Grilles & Registers

### FG2 Series Stamped Face 2" Filter Grille

- 1/2" Spacing dual angular louvers
- 20 and 22 Gauge cold roll steel
- Hand operated lever for easy filter access
- Holds up to 2" Filter (not included)
- Removable face for easy cleaning and maintenance
- Filter door hinges parallel to longest side
- 4-Way reversible door on square sizes
- 2-Way reversible door on rectangular sizes
- Filter retention tabs
- Concealed mounting holes
- Soft white

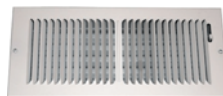


Part #	Mfg #	Size	Price
123382	FG21420	14" x 20"	
123383	FG21425	14" x 25"	
123380	FG21620	16" x 20"	
123384	FG21625	16" x 25"	
123385	FG22016	20" x 16"	
123386	FG22020	20" x 20"	
123387	FG22025	20" x 25"	
123388	FG22424	24" x 24"	
123389	FG22516	25" x 16"	
125075	FG22520	25" x 20"	

### Sidewall Diffusers

#### 850 Series Stamped 2-Way Diffuser

- Stamped 1/2" fan-shaped louvers for heating and cooling
- For ceiling or sidewall applications
- All component parts, rivets, linkage and handle are enclosed in the valve to assure trouble-free operation
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Steel multi-shutter damper
- Soft white



Part #	Mfg #	Size	Price
123392	8501004	10" x 4"	
123393	8501006	10" x 6"	
123394	8501204	12" x 4"	
123395	8501206	12" x 6"	
123396	8501208	12" x 8"	
123397	8501404	14" x 4"	
123398	8501406	14" x 6"	
123399	8501408	14" x 8"	

### Sidewall Diffusers (Continued)

#### 850 Series Stamped 2-Way Diffuser

Part #	Mfg #	Size	Price
123400	8501608	16" x 8"	

#### 875 Series Baseboard Diffuser

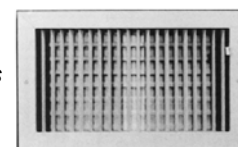
- Steel construction
- Generous free area for quiet operation
- Lever operated single-blade damper
- Removable face and damper
- Tension wings to stabilize damper



Part #	Mfg #	Size	Color	Price
122939	875B18	18"	Brown	
122938	875W18	18"	White	

#### 951 Adjustable Steel Blade Diffuser

- Adjustable steel face blades with steel multi-shutter damper
- For ceiling or sidewall applications
- Vertical air deflectors with nylon bushings for easy adjustment and quiet settings
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- All component parts, rivets, linkage and handle are enclosed in the valve to assure trouble-free operation



Part #	Mfg #	Size	Price
123028	9511004	10" x 4"	
123029	9511006	10" x 6"	
123030	9511204	12" x 4"	
123031	9511206	12" x 6"	
129734	9511404	14" x 4"	
123032	9511406	14" x 6"	
123033	9511408	14" x 8"	
141490	9511606	16" x 6"	
146924	9511608	16" x 8"	





## Sidewall Grilles & Registers

### Sidewall Air Diffusers

#### Airtec™ Classic Air Diffuser - Small

- 6" x 6" Diffuser assembly



Part #	Mfg #	Description	Price
098602	MVES	Return/Exhaust Grille/Damper/Box	

## Electric Furnaces

### Electric Furnaces E4EB Electric Furnaces

- Choice of Air Conditioning Options
- Easy Open Door
- Effective Air Filter
- Nichrome Heating Elements
- Appliance Quality Door
- Fully Insulated Cabinet
- Safety and Dependability
- Adaptable
- Versatile
- Heating Relays
- Control Board



Part #	Mfg #	Tons	KW	Dimensions (H x W)	Price
182797	INTE4EB010H	2.0 - 4.0	10	29" x 20"	
233678	INTE4EB012H	2.0 - 4.0	12	29" x 20"	
182798	INTE4EB015H	2.0 - 4.0	15	29" x 20"	
227914	INTE4EB017H	2.0 - 4.0	17	29" x 20"	
182836	INTE4EB020H	2.0 - 4.0	20	29" x 20"	
221907	INTE4EB23H5T	2.0 - 5.0	23	29" x 20"	



## Gas Downflow Furnaces

### 80% AFUE Downflow Gas Furnaces



- 80% Residential Gas Furnace CSA certified
- Downflow Design
- Single Stage Gas Valves
- PSC Blower Motors
- PlusOne™ Diagnostics 7-Segment LED
- Integrated control board
- Insulated blower compartment
- Heat Exchanger is removable
- PlusOne™ Ignition System - DSI for reliability
- Solid Door for Quiet Operation
- QR codes for quick access to product info from smart phone or tablet



#### Warranties

10-Yr Part Warranty

20 Year Heat Exchanger

#### PSC Premium Motor

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
169610	R801PA050314ZSA	3 Ton	14"	50,000	40,000	80.0%	
169611	R801PA075317ZSA	3 Ton	17"	75,000	60,000	80.0%	
169613	R801PA100317ZSA	3 Ton	17"	100,000	80,000	80.0%	
169612	R801PA075417ZSA	4 Ton	17"	75,000	60,000	80.0%	
169614	R801PA100521ZSA	5 Ton	21"	100,000	80,000	80.0%	
169615	R801PA125524ZSA	5 Ton	24"	125,000	100,000	80.0%	
169616	R801PA150524ZSA	5 Ton	24"	150,000	120,000	80.0%	

#### PSC Standard Motor

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
169599	R801SA050314ZSA	3 Ton	14"	50,000	40,000	80.0%	
169600	R801SA075317ZSA	3 Ton	17"	75,000	60,000	80.0%	
169601	R801SA075417ZSA	4 Ton	17"	75,000	60,000	80.0%	
169602	R801SA100421ZSA	4 Ton	21"	100,000	80,000	80.0%	
169603	R801SA125524ZSA	5 Ton	24"	125,000	100,000	80.0%	
169604	R801SA150524ZSA	5 Ton	24"	150,000	120,000	80.0%	

## Gas Downflow Furnaces

### Gas Downflow Furnaces

#### KG7S (K Series) 80% Gas Downflow Furnace

- Single-stage heat/cool
- 100% fired and tested
- Best packaging in the industry
- Low Boy Height
- Tubular primary heat exchanger
- 30 second blower delay at start-up
- 30 second post purge
- Hot surface ignitor
- Color coded wire harness
- PSC high static blowers
- 90 second cooling cycle blower-off delay (TDR)
- Flexible category I venting system
- Multi-speed direct drive PSC blower
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Integrated control board
- Two piece door design
- Furnace air leakage compliant



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118722	KG7SK054C23A	2-3	PSC	54,000	43,200	34 1/2" x 14 1/4"	
118723	KG7SK072C24B	2-4	PSC	72,000	57,600	34 1/2" x 17 1/2"	
118724	KG7SK090C24B	2-4	PSC	90,000	72,000	34 1/2" x 17 1/2"	
118725	KG7SK108C35C	3-5	PSC	108,000	86,400	34 1/2" x 21"	
118726	KG7SK126C45D	4-5	PSC	126,000	100,800	34 1/2" x 24 1/2"	

## Gas Downflow Furnaces

### KG7S (L Series) 92% Gas Downflow Furnace

- Single-stage heat/cool
- 100% fired and tested
- Best packaging in the industry
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- Flexible category IV venting system
- PSC high static blowers
- Low boy height
- Tubular primary heat exchanger
- 90 second fixed cooling cycle blower-off delay (TDR)
- Multi-speed direct drive PSC blower
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Incorporates integrated control board
- Two piece door design enhances furnace appearance
- Seated vestibule
- Furnace air leakage compliant



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118732	KG7SL054D24B	2-3	PSC	54,000	49,700	34 1/2" x 17 1/2"	
118733	KG7SL072D24B	2-4	PSC	72,000	66,000	34 1/2" x 17 1/2"	
118734	KG7SL090D35C	3-5	PSC	90,000	82,800	34 1/2" x 21"	
118735	KG7SL120D45D	4-5	PSC	120,000	110,400	34 1/2" x 24 1/2"	

## Gas Downflow Furnaces

### KG7S (M Series) 95% Gas Downflow Furnaces

- Single-stage heat/cool
- 100% fired and tested
- Best packaging in the industry
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- Flexible category IV venting system
- PSC high static blower
- Low boy height
- Tubular primary heat exchanger
- 60 second fixed cooling cycle blower-off delay(TDR)
- Multi-speed direct drive PSC blower
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Incorporates integrated control board
- Two piece door design enhances furnace appearance
- Seated vestibule
- Furnace air leakage compliant



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
143088	KG7SM054D24B	2-4	PSC	54,000	51,300	34 1/2" x 17 1/2"	
143087	KG7SM072D35C	3-5	PSC	72,000	68,000	34 1/2" x 21"	
143086	KG7SM090D35C	3-5	PSC	90,000	85,500	34 1/2" x 21"	
143085	KG7SM118D45D	4-5	PSC	118,000	112,100	34 1/2" x 24 1/2"	

## Gas Downflow Furnaces

### KG7T (L Series) 95% Gas Downflow Furnace

- Two-stage heat/cool
- 100% fired and tested
- Best packaging in the industry
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- Flexible category IV venting system
- ECM fixed speed high static blowers
- Low boy height
- Tubular primary heat exchanger
- 60 second fixed cooling cycle blower-off delay(TDR)
- ECM fixed speed direct drive blower
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Incorporates integrated control board
- Two piece door design enhances furnace appearance
- Seated vestibule
- Furnace Air Leakage.



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118736	KG7TL060D24B	2-4	BLDC	39,000	37,050	34 1/2" x 17 1/2"	
118737	KG7TL080D35C	3-5	BLDC	52,000	49,400	34 1/2" x 21"	
118738	KG7TL100D35C	3-5	BLDC	65,000	61,750	34 1/2" x 21"	
118739	KG7TL120D45D	4-5	BLDC	78,000	74,100	34 1/2" x 24 1/2"	

## Gas Downflow Furnaces

### Downflow Gas Furnaces M1 80% Downflow Gas Furnaces

- Sealed Combustion System<sup>1</sup>
- Easy Open Panel Latch
- Choice of Air Conditioning Options
- Large, Effective Air Filter
- High Efficiency Drum Heat Exchanger
- Appliance Quality Door
- Fully Insulated Cabinet
- Reliable Burner
- LP Convertible (Kit Included)



Part #	Mfg #	Motor Type	Input BTUH	Heating Capacity BTUH	A/C Ready	Dimensions (H x W)	Price
233692	INTM1MC056ABW	PSC	56,000	46,000	-	76" x 23 3/4"	
233693	INTM1MC070ABW	PSC	70,000	57,000	-	76" x 23 3/4"	
213927	INTM1MC077ABW	PSC	77,000	62,000	-	76" x 23 3/4"	
225783	INTM1MC090ABW	PSC	90,000	72,000	-	76" x 23 3/4"	
178495	INTM1MB056ABW	PSC	56,000	46,000	Up to 3 Tons	76" x 23 3/4"	
177150	INTM1MB070ABW	PSC	70,000	57,000	Up to 3 Tons	76" x 23 3/4"	
177149	INTM1MB077ABW	PSC	77,000	62,000	Up to 3 Tons	76" x 23 3/4"	
177148	INTM1MB090ABW	PSC	90,000	72,000	Up to 3 Tons	76" x 23 3/4"	



## Gas Downflow Furnaces

### M7RL 95% Downflow Gas Furnaces

- 100% fired and tested
- Clean and quiet operation
- Fixed 30 second blower delay
- Fixed 30-second post purge
- Dependable, hot surface ignitor
- Tubular primary heat exchanger
- Stainless steel secondary heat exchanger
- 60 second fixed cooling cycle blower-off delay (TDR)
- Sealed combustion approved for direct vent furnace category IV venting system
- LP Convertible (Kit Included)
- 3 amp fuse protection against low voltage shorts
- Low voltage terminal board
- Easy open pawl latch
- Appliance quality door
- Fully insulated cabinet
- Color coded wire harness
- Multi-speed direct drive blower
- Diagnostic lights for easy troubleshooting without counting flashes



Part #	Mfg #	Motor Type	Input BTUH	Heating Capacity BTUH	A/C Ready	Dimensions (H x W)	Price
177151	INTM7RL060ABW	PSC	60,000	57,000	Up to 4 Tons	56" x 19 7/8"	
177152	INTM7RL072ABW	PSC	72,000	68,400	Up to 4 Tons	56" x 19 7/8"	

## Gas Downflow Furnaces

### M7TL 95% Variable Speed 2 Stage Downflow Gas Furnace

- ECM blower
- 2 Stage gas valve
- 100% fired and tested
- Clean and quiet operation
- Fixed 30 second blower delay
- Fixed 30-second post purge
- Dependable, hot surface ignitor
- Tubular primary heat exchanger
- Stainless steel secondary heat exchanger
- 60 second fixed cooling cycle blower-off delay (TDR)
- Sealed combustion approved for direct vent furnace category IV venting system
- LP convertible
- 3 amp fuse protection against low voltage shorts
- Low voltage terminal board
- Easy open pawl latch
- Appliance quality door
- Fully insulated cabinet
- Color coded wire harness
- 40VA transformer included
- Diagnostic lights for easy troubleshooting without counting flashes



Part #	Mfg #	Motor Type	Input BTUH	Heating Capacity BTUH	A/C Ready	Dimensions (H x W)	Price
233701	INTM7TL045ABW	VSB	45,000/29,000	42,750/27,550	-	55" x 19 7/8"	
233704	INTM7TL060ABW	VSB	60,000/39,000	57,000/37,050	-	55" x 19 7/8"	
233691	INTM7TL072ABW	VSB	72,000/47,000	68,400/44,650	-	55" x 19 7/8"	

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**Gas Downflow Furnaces**


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**Gas Downflow Furnaces****FG7S (K Series) 80% Gas Downflow Furnace**

- 100% fired and tested
- Best packaging in the industry
- Low Boy Height
- Tubular primary heat exchanger
- 30 second blower delay at start-up
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- High static blowers
- 90 second cooling cycle blower-off delay (TDR)
- Flexible category I venting system
- High efficiency blower kits
- Multi-speed direct drive blower
- LP convertible
- Diagnostic lights for easy troubleshooting without counting flashes
- Integrated control board
- Two piece door design
- Blower Compartment
- Furnace Air Leakage



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118838	FRIFG7SK054C23A	2-3	PSC	54,000	43,200	34 1/2" x 14 1/4"	
118839	FRIFG7SK072C24B	2-4	PSC	72,000	57,600	34 1/2" x 17 1/2"	
118840	FRIFG7SK090C24B	2-4	PSC	90,000	72,000	34 1/2" x 17 1/2"	
118841	FRIFG7SK108C35C	3-5	PSC	108,000	86,400	34 1/2" x 21"	
118842	FRIFG7SK126C45D	4-5	PSC	126,000	100,800	34 1/2" x 24 1/2"	

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**Gas Downflow Furnaces**


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**FG7S (L Series) 92% Gas Downflow Furnace**

- 100% fired and tested
- Best packaging in the industry
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- Flexible category IV venting system
- High Static Blowers
- Low Boy Height
- Tubular primary heat exchanger
- 90 second fixed cooling cycle blower-off delay (TDR)
- High efficiency blower kits
- Multi-speed direct drive blower
- LP convertible
- Diagnostic lights for easy troubleshooting without counting flashes
- Incorporates integrated control board
- Two piece door design
- Blower Compartment
- Sealed Vestibule
- Furnace Air Leakage



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118792	FRIFG7SL054D24B	2-4	PSC	54,000	49,700	34 1/2" x 17 1/2"	
118793	FRIFG7SL072D24B	2-4	PSC	72,000	66,000	34 1/2" x 17 1/2"	
118794	FRIFG7SL090D35C	3-5	PSC	90,000	82,800	34 1/2" x 21"	
118795	FRIFG7SL120D45D	4-5	PSC	120,000	110,400	34 1/2" x 24 1/2"	

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**Gas Downflow Furnaces**


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**FG7S (M Series) 95% Gas Downflow Furnace**

- 100% fired and tested
- Best packaging in the industry
- 30 second blower delay
- 30 second post purge
- Color coded wire harness
- Flexible category IV venting system
- High Static Blowers
- Low Boy Height
- Tubular primary heat exchanger
- 60 second fixed cooling cycle blower-off delay (TDR)
- High efficiency blower kits
- Multi-speed direct drive blower
- LP convertible
- Diagnostic lights for easy troubleshooting without counting flashes
- Incorporates integrated control board
- Two piece door design
- Blower Compartment
- Sealed Vestibule
- Furnace Air Leakage



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
204434	FRIFG7SM054D24B	2-4	PSC	54,000	51,300	34 1/2" x 17 1/2"	
204435	FRIFG7SM072D35C	3-5	PSC	72,000	68,400	34 1/2" x 21"	
204436	FRIFG7SM090D35C	3-5	PSC	90,000	85,500	34 1/2" x 21"	
204437	FRIFG7SM118D45D	4-5	PSC	118,000	112,100	34 1/2" x 24 1/2"	

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**Gas Downflow Furnaces**


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**FG7T (K Series) 80% Variable Speed Gas Downflow Furnace**

- *iSEER*
- *100% fired and tested*
- *Best packaging in the industry*
- *Low Boy Height*
- *Tubular primary heat exchanger*
- *30 second blower delay at start-up*
- *30 second post purge*
- *Two Stage Inducer*
- *Hot surface igniter*
- *Color coded wire harness*
- *High static blowers*
- *90 second cooling cycle blower-off delay (TDR)*
- *Flexible category I venting system*
- *LP convertible*
- *Diagnostic lights for easy troubleshooting without counting flashes*
- *Integrated control board*
- *Two piece door design*
- *Blower Compartment*
- *Furnace Air Leakage*



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
202382	FRIFG7TK060CVA1		Variable	39,000	31,200	34 1/2" x 14 1/4"	
202383	FRIFG7TK080CVB1		Variable	52,000	41,600	34 1/2" x 17 1/2"	
232871	FRIFG7TK100CVC		Variable	65,000	52,000	34 1/2" x 21"	
220794	FRIFG7TK120CVC		Variable	78,000	62,400	34 1/2" x 21"	

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## Gas Downflow Furnaces

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### FG7T (L Series) 95% Variable Speed Gas Downflow Furnace

- *iSEER*
- *100% fired and tested*
- *Best packaging in the industry*
- *Low Boy Height*
- *Tubular primary heat exchanger*
- *30 second blower delay at start-up*
- *30 second post purge*
- *Two Stage Inducer*
- *Hot surface igniter*
- *Color coded wire harness*
- *High static blowers*
- *90 second cooling cycle blower-off delay (TDR)*
- *Flexible category I venting system*
- *LP convertible*
- *Diagnostic lights for easy troubleshooting without counting flashes*
- *Integrated control board*
- *Two piece door design*
- *Blower Compartment*
- *Furnace Air Leakage*



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118800	FRIFG7TL060DVB		Variable	39,000	37,050	34 1/2" x 17 1/2"	
118801	FRIFG7TL080DVC		Variable	52,000	49,400	34 1/2" x 21"	
118802	FRIFG7TL100DVC		Variable	65,000	61,750	34 1/2" x 21"	
118804	FRIFG7TL120DVD		Variable	78,000	74,100	34 1/2" x 24 1/2"	

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**Gas Downflow Furnaces**


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**FG7T ( L Series) 95% Gas Downflow Furnace**

- *iSEER*
- *100% fired and tested*
- *Best packaging in the industry*
- *Low Boy Height*
- *Tubular primary heat exchanger*
- *30 second blower delay at start-up*
- *30 second post purge*
- *Two Stage Inducer*
- *Hot surface igniter*
- *Color coded wire harness*
- *High static blowers*
- *90 second cooling cycle blower-off delay (TDR)*
- *Flexible category I venting system*
- *LP convertible*
- *Diagnostic lights for easy troubleshooting without counting flashes*
- *Integrated control board*
- *Two piece door design*
- *Blower Compartment*
- *Furnace Air Leakage*



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118796	FRIFG7TL060D24B	2-4	BLDC	39,000	37,050	34 1/2" x 17 1/2"	
118797	FRIFG7TL080D35C	3-5	BLDC	52,000	49,000	34 1/2" x 21"	
118798	FRIFG7TL100D35C	3-5	BLDC	65,000	61,750	34 1/2" x 21"	
118799	FRIFG7TL120D45D	4-5	BLDC	78,000	74,100	34 1/2" x 24 1/2"	



## Gas Downflow Furnaces

### Gas Downflow Furnaces

#### A802V Two-Stage, Variable Speed Furnace Downflow

- Rotatable draft inducer for venting flexibility
- Left and right utility connections
- Removable floor base for bottom return air
- "L" designated models comply with California's South Coast Air
- Quality Management district Low NOx requirements
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
209870	AA80DS2V070A12	3	14.5"	66,000	52,000	80	
209871	AA80DS2V090B16	4	17.5"	88,000	69,000	80	
209872	AA80DS2V110C20	5	21"	110,000	87,000	80	

#### A962V High-Efficiency, Variable Speed Furnace Downflow

- Vent materials for Canadian applications must comply with ULC 5636
- Certified for direct vent (2-pipe) and in-direct (1-pipe) applications.
- Left and right utility connections
- Removable floor base for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
214469	AA96DS2V045B12S	3	17.5"	29,000/44,000	28,000/43,000	96	
214470	AA96DS2V070B16S	4	17.5"	43,000/66,000	42,000/64,000	96	
214471	AA96DS2V090C20S	5	21"	57,000/88,000	56,000/88,000	96	
214472	AA96DS2V110C20S	5	21"	72,000/110,000	70,000/106,000	96	

#### A97MV High-Efficiency Modulating Furnace Testing Downflow

- Communicating control enabled
- Modulating gas valve
- Thermostat flexibility: works with the Comfort Sync T-Stat or a conventional 24V T-Stat
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Category 4 direct vent appliance (2 pipe only)
- Left or right utility connections
- Zero step horizontal conversion
- Removable floor base for bottom return air



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
209779	AA97DSMV070B12S	3	17.5"	66,000	64,000	97	
209780	AA97DSMV090C16S	4	21"	88,000	85,000	97	
209781	AA97DSMV090C20S	5	21"	88,000	85,000	97	

## Gas Downflow Furnaces

### Gas Downflow Furnaces (Continued)

#### A97MV High-Efficiency Modulating Furnace Testing Downflow

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
209782	AA97DSMV110C20S	5	21"	110,000	107,000	97	

#### A952V High-Efficiency, Variable Speed Furnace Downflow

- Vent materials for Canadian applications must comply with ULC 5636
- Certified for direct vent (2-pipe) and in-direct (1-pipe) applications.
- Left and right utility connections
- Removable floor base for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208673	AA95DF2V045B12S	3	17.5"	29,000/44,000	28,000/43,000	95	
208674	AA95DF2V070B16S	4	17.5"	43,000/66,000	42,000/64,000	95	
208675	AA95DF2V090C20S	5	21"	57,000/88,000	56,000/88,000	95	
208676	AA95DF2V110C20S	5	21"	72,000/110,000	70,000/106,000	95	

#### A951S 95% Stainless Single-Stage Furnace

- Single stage gas valve
- Self diagnostics saves last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals
- Designed certified for direct and non direct applications
- Left or right utility connection
- Design certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base for bottom return air



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208484	AA95DF1D045B12S	3	17.5"	44,000	42,000	95	

#### A951A 95% Efficiency Single Stage Furnace Downflow

- Up to 95% AFUE
- Single stage heating operation
- Standard PSC blower motor
- Aluminized primary heat exchanger
- Stainless steel secondary heat exchanger



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208649	AA95DF1D045B12A	3	17"	44,000	42,000	95	
208650	AA95DF1D070B12A	3	17"	44,000	62,500	95	
208651	AA95DF1D090C20A	4	21"	88,000	83,500	95	

## Gas Downflow Furnaces

### Gas Downflow Furnaces (Continued)

#### A951A 95% Efficiency Single Stage Furnace Downflow

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208652	AA95DF1D110C20A	5	21"	110,000	104,500	95	

#### A951E Single-Stage, Constant Torque Furnace Downflow

- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals
- Designed certified for direct (2-pipe) and non direct (1-pipe) applications
- Easily vented with PVC pipe
- Left or right utility connection
- Zero step horizontal conversion
- Removable floor base (upflow / horizontal units) for bottom return air



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208660	AA95DF1E045B12S	3	17.5"	44,000	42,000	95	
208661	AA95DF1E070B16S	4	17.5"	66,000	64,000	95	
208662	AA95DF1E090C16S	4	21"	88,000	85,000	95	
208663	AA95DF1E110C20S	5	21"	110,000	106,000	95	

#### A931A High-Efficiency Single-Stage Furnace Downflow

- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saving last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals
- Certified for direct vent and indirect vent (1 and 2 pipe applications)
- Left or right utility connections
- Removable floor base (upflow / horizontal units) for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208636	AA93DF1D045B12A	3	17.5"	44,000	42,000	93	
208637	AA93DF1D070B12A	3	17.5"	66,000	62,000	93	
208638	AA93DF1D090C16A	4	21"	88,000	84,000	93	
208639	AA93DF1D110C20A	5	21"	110,000	104,000	93	

**Gas Downflow Furnaces**

**Gas Downflow Furnaces**

**80G1 80% Single Stage Gas Furnace**

- Crimped no-weld aluminized clam shell heat exchanger construction
- Compact 33" height
- Standardized widths for easy coil fit
- Multi-speed PSC blower motor
- Easily removable slide out blower design
- Single stage gas valve
- Self diagnostics saving last 5 fault codes regardless of power interruption
- Rotatable draft inducer for venting flexibility
- Left or right utility connections
- Removable floor base for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208694	DC80G1DF045AP12	3	14.5"	44,000	35,200	80%	
208695	DC80G1DF070AP12	3	14.5"	66,000	52,800	80%	
208696	DC80G1DF090BP16	4	17.5"	88,000	70,400	80%	
208697	DC80G1DF110CP20	5	21"	110,000	88,000	80%	

**92G1 92% Single Stage Gas Furnace**

- Aluminized steel design primary heat exchanger with crimped no weld construction
- AL 29-4C Stainless steel secondary heat exchanger
- Aluminized steel inshot burners for smooth ignition
- Compact 33" height
- Standardized widths for easy coil fit
- Multi-speed PSC blower motor
- Easily removable slide-out blower design
- Single Stage Gas Valve
- Self diagnostics saves last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals
- Designed certified for direct and non direct applications
- Left or right utility connection
- Designed certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base for botom return air



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208707	DC92G1DF045BP12	3	17.5"	44,000	42,000	92%	
208708	DC92G1DF070BP12	3	17.5"	66,000	62,000	92%	
208709	DC92G1DF090CP16	4	21"	88,000	84,000	92%	

## Gas Downflow Furnaces

### 95G1 95% Single Stage Gas Furnace

- *Aluminized steel design primary heat exchanger with crimped no weld construction*
- *AL 29-4C Stainless steel secondary heat exchanger*
- *Aluminized steel inshop burners for smooth fit*
- *Compact 33" height*
- *Standardized widths for easy coil fit*
- *Multi-speed PSC blower motor*
- *Easily removable slide-out blower design*
- *Single Stage Gas Valve*
- *Self diagnostics saves last 5 fault codes regardless of power interruption*
- *Control features electronic air cleaner and humidifier terminals*
- *Designed certified for direct and non direct applications*
- *Left or right utility connection*
- *Designed certified for direct and non-direct vent applications*
- *Zero step horizontal conversion*
- *Removable floor base for bottom return air*



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208838	DC95G1DF045BP12	3	17.5"	44,000	42,000	95%	
208839	DC95G1DF070BP12	3	17.5"	66,000	64,000	95%	
208840	DC95G1DF090CP20	5	21"	88,000	85,000	95%	
208841	DC95G1DF110CP20	5	21"	110,000	106,000	95%	

**Gas Downflow Furnaces**

**95G1E 95% Single Stage Constant Torque Motor**

- Designed certified for direct (2-pipe) and non direct (1-pipe) applications
- Easily vented with PVC pipe
- Left or right utility connection
- Design certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base (upflow / horizontal units) for bottom return air
- Aluminized steel primary heat exchanger with crimped nonwelded construction
- AL 29-4C Stainless steel secondary heat exchanger
- Aluminized steel inshot burners for smooth ignition
- Compact 33" height
- Standardized widths for easy coil fit
- Multi-speed high efficiency (constant torque) blower motor
- Easily removable slide out blower design
- Enhanced cooling SEER ratings when applied with properly matched cooling equipment.
- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208847	DC95G1DF045BE12	3	17.5"	44,000	42,000	95%	
208848	DC95G1DF070BE16	4	17.5"	66,000	64,000	95%	
208849	DC95G1DF090CE16	4	21"	88,000	85,000	95%	
208850	DC95G1DF110CE20	5	21"	110,000	106,000	95%	

**Gas Downflow Furnaces**

**95G2V 95% Two Stage Variable Speed Gas Furnace**

- *Aluminized steel primary heat exchanger with crimped nonwelded construction*
- *AL29-4C Stainless steel secondary heat exchanger*
- *Non-welded crimped S-curve primary heat exchanger design for maximum durability*
- *Aluminized steel in shot burners for smooth ignition*
- *Isolated burner enclosure for quiet operation*
- *Compact 33" height*
- *Standardized widths for easy coil fit*
- *Unitized construction for cabinet integrity*
- *Heat exchanger compartment is insulated to increase efficiency and reduce sound levels*
- *Baked on prepainted steel cabinet finish*
- *Efficient ECM variable speed blower motor*
- *Motor features "soft start" and "soft stop" for quiet operation*
- *Active and passive dehumidification feature*
- *Easily removable slide-out blower design*
- *Dynamically balanced blower wheel with resilient motor mounts for smooth and quiet operation*
- *Two stage gas valve*
- *Integrated ignition and fan control*
- *System Sentry™ control retains last five (5) fault codes with push button memory recall, regardless of power interruption*
- *Hot surface ignition system uses silicon nitride ignitor*
- *Control features 120 volt electronic air cleaner and humidifier terminals*
- *Control circuit is fuse protected*
- *Color coded control wiring*
- *Compatible with single or two stage thermostats for heating.*
- *Two stage thermostat is recommended when installed with two stage cooling unit.*
- *Left or right gas and electric entry*
- *Zero step horizontal conversion*
- *Removable floor base (upflow/horizontal units) for bottom return air*
- *2-speed induced draft motor with stainless steel shaft, steel ball bearings, and fan cooled for long life*
- *Vent materials for Canadian applications must comply with ULC S636*
- *Certified for direct vent (2-pipe) or non-direct (1-pipe) applications*
- *Direct vent refers to a combustion air supply intake pipe installed in conjunction with flue gas vent pipe.*



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
218356	DC95G2DF045BV12	3	17.5"	29,000, 44,000	28,000, 43,000	95%	
218357	DC95G2DF070BV16	4	17.5"	43,000, 66,000	42,000, 64,000	95%	
218358	DC95G2DF090CV20	5	21"	57,000, 88,000	56,000, 85,000	95%	
218359	DC95G2DF110CV20	5	21"	72,000, 110,000	70,000, 106,000	95%	



**Gas Downflow Furnaces**

**95G2E Two-Stage Constant Torque Gas Furnace**

- Two stage gas valve
- Integrated ignition and fan control
- Control board retains last ten (10) fault codes with push button memory recall and 7 segment LED display, regardless of power interruption
- Hot surface ignition system uses silicon nitride ignitor
- Control features 120 volt electronic air cleaner and humidifier terminals
- Control circuit is fuse protected
- Color coded control wiring
- Compatible with single or two stage thermostats for heating. Two stage thermostat is recommended when installed with two stage cooling unit
- 2-speed induced draft motor with stainless steel shaft, steel ball bearings, and fan cooled for long life
- Vent materials for Canadian applications must comply with ULC S636
- Certified for direct vent and indirect vent (1 and 2 pipe) applications
- Left or right gas and electric entry
- Zero step horizontal conversion
- Removable floor base (upflow/horizontal units) for bottom return air
- Efficient blower motor
- Easily removable slide-out blower design
- Dynamically balanced blower wheel with resilient motor mounts for smooth and quiet operation
- Compact 33" height
- Standardized widths for easy coil fit
- Unitized construction for cabinet integrity
- Heat exchanger compartment is insulated to increase efficiency and reduce sound levels
- Baked on prepainted steel cabinet finish
- Aluminized steel in shot burners for smooth ignition
- Isolated burner enclosure for quiet operation
- Aluminized steel primary heat exchanger with crimped non-welded construction
- AL29-4C Stainless steel secondary heat exchanger
- Non-welded crimped S-curve primary heat exchanger design for maximum durability



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
210868	DC95G2DF045BE12	3	17.5"	29,000, 44,000	28,000, 43,000	95%	
210869	DC95G2DF070BE16	4	17.5"	43,000, 66,000	42,000, 64,000	95%	
210870	DC95G2DF090CE16	4	21"	57,000, 88,000	56,000, 85,000	95%	
210871	DC95G2DF110CE20	5	21"	72,000, 110,000	70,000, 106,000	95%	





## Gas Multi-Position Furnaces



90+ Gas



- Up to 96% Residential Gas Furnace CSA certified
- 4 Way Multi-Position Design
- Single and Two Stage Gas Valves
- PSC and ECM Blower Motors
- PlusOne™ Diagnostics 7-Segment LED
- PlusOne™ Ignition System - DSI for reliability
- PlusOne™ Water management System

### Warranties

10-Yr Part Warranty

Limited Lifetime Heat Exchanger

### 96% 2-Stage Gas Furnaces w/ Constant Torque Motor

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
234429	R96TA0402317M	3 Ton	17-1/2"	42,000	40,320	96.0%	
234432	R96TA0602317M	3 Ton	17-1/2"	56,000	53,760	96.0%	
234435	R96TA0702317M	3 Ton	17-1/2"	70,000	67,200	96.0%	
234437	R96TA0852521M	5 Ton	21"	84,000	80,460	95.0%	
234439	R96TA1002521M	5 Ton	21"	98,000	94,080	95.0%	
234440	R96TA1152524M	5 Ton	24-1/2"	112,000	107,520	96.0%	

### 96% 2-Stage Gas Furnaces w/ PSC Motor

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
159994	R96PA0402317MSA	3 Ton	17-1/2"	42,000	41,000	96.0%	
159995	R96PA0602317MSA	3 Ton	17-1/2"	56,000	54,000	96.0%	
159998	R96PA0702317MSA	3 Ton	17-1/2"	70,000	68,000	96.0%	
160001	R96PA0852521MSA	5 Ton	21"	84,000	81,000	95.0%	
160004	R96PA1002521MSA	5 Ton	21"	98,000	94,000	95.0%	
160007	R96PA1152524MSA	5 Ton	24"	112,000	109,000	96.0%	

### 95% Single Stage Gas Furnaces w/ X-13 Motor

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
222224	R95TC0401317MSA	3 Ton	17-1/2"	42,000	40,320	95.0%	
222225	R95TC0601317MSA	3 Ton	17-1/2"	56,000	53,760	95.0%	
222226	R95TC0701317MSA	3 Ton	17-1/2"	70,000	67,200	95.0%	
222227	R95TC0851521MSA	5 Ton	21"	84,000	80,460	95.0%	
222228	R95TC1001521MSA	5 Ton	21"	98,000	94,080	95.0%	
222229	R95TC1151524MSA	5 Ton	24-1/2"	112,000	107,520	95.0%	

### 95% Single Stage Gas Furnaces w/ PSC Motor

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
158565	R95PA0401317MSA	3 Ton	17-1/2"	42,000	40,320	95.0%	
158566	R95PA0601317MSA	3 Ton	17-1/2"	56,000	53,760	95.0%	




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## Gas Multi-Position Furnaces

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(Continued)

### 95% Single Stage Gas Furnaces w/ PSC Motor

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
158567	R95PA0701317MSA	3 Ton	17-1/2"	70,000	67,200	95.0%	
158568	R95PA0851521MSA	5 Ton	21"	84,000	80,460	95.0%	
158569	R95PA1001521MSA	5 Ton	21"	98,000	94,080	95.0%	
158570	R95PA1151524MSA	5 Ton	24-1/2"	112,000	107,520	95.0%	



## Gas Multi-Position Furnaces

### 92% Single Stage Gas Furnaces w/ PSC Motor

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
158518	R92PA0401317MSA	3 Ton	17-1/2"	42,000	39,060	92.0%	
158519	R92PA0601317MSA	3 Ton	17-1/2"	56,000	52,080	92.0%	
158520	R92PA0701317MSA	3 Ton	17-1/2"	70,000	65,100	92.0%	
158521	R92PA0851521MSA	5 Ton	21"	84,000	78,120	92.0%	
158522	R92PA1001521MSA	5 Ton	21"	98,000	91,140	92.0%	
158523	R92PA1151524MSA	5 Ton	24-1/2"	112,000	104,160	92.0%	

### Modulating Gas Furnaces

**ULTRA**  
Series

- EcoNet™ Enabled
- ECM Motor
- Modulating Function: when used with an EcoNet Control
- PlusOne™ Ignition System
- PlusOne™ Water Management System
- PlusOne™ Diagnostics 7- Segment LED
- Blower Shelf design – serviceable in all furnace orientations
- Pre marked hoses – insures proper system drainage
- Vent with 2" or 3" PVC
- Integrated control boards feature dip switches for easy system set up
- Self priming condensate trap
- Solid bottom included



**Warranties**

**Parts - 10 Years**

**Heat Exchanger - Limited Lifetime**

**Conditional Unit Replacement - Limited Lifetime**

### 96% 2-Stage Variable Speed Gas Furnaces

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
170931	U96VA0402317MSA	3 Ton	17-1/2"	42,000	40,320	96.0%	
160836	U96VA0602317MSA	3 Ton	17-1/2"	56,000	53,760	96.0%	
160837	U96VA0702317MSA	3 Ton	17-1/2"	70,000	67,200	96.0%	
160838	U96VA0852521MSA	5 Ton	21"	84,000	80,640	96.0%	
160839	U96VA1002521MSA	5 Ton	21"	98,000	94,080	96.0%	
160840	U96VA1152524MSA	5 Ton	24-1/2"	112,000	107,520	96.0%	



## Gas Upflow/Horizontal Furnaces

### 80% Gas Furnaces

- 80% Residential Gas Furnace
- Upflow/Horizontal Design
- Single Stage Gas Valves
- PSC Blower Motors
- PlusOne™ Diagnostics 7-Segment LED
- PlusOne™ Ignition System - DSI for reliability
- Solid Door for Quiet Operation



**Warranties**

**10-Yr Part Warranty**

**20 Year Heat Exchanger**

#### 80% Upflow/Horizontal Single Stage Gas Furnaces w/ PSC Motor Includes Insulated Blower Compartment and Solid Bottom

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
169605	R801PA050314MSA	3 Ton	14"	50,000	40,000	80.0%	
185060	R801PA075317MSA	3 Ton	17"	75,000	60,000	80.0%	
169606	R801PA075417MSA	4 Ton	17"	75,000	60,000	80.0%	
180704	R801PA100417MSA	4 Ton	17"	100,000	80,000	80.0%	
169607	R801PA100521MSA	5 Ton	21"	100,000	80,000	80.0%	
169608	R801PA125524MSA	5 Ton	24"	125,000	100,000	80.0%	
169609	R801PA150524MSA	5 Ton	24"	150,000	120,000	80.0%	

#### 80% Upflow/Horizontal Single Stage Gas Furnaces w/ PSC Motor Uninsulated Blower Compartment and Open Bottom

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
169592	R801SA050314MSA	3 Ton	14"	50,000	41,000	80.0%	
185059	R801SA075317MSA	3 Ton	17"	75,000	61,000	80.0%	
169594	R801SA075417MSA	4 Ton	17"	75,000	61,000	80.0%	
180705	R801SA100417MSA	4 Ton	17"	100,000	82,000	80.0%	
169595	R801SA100521MSA	5 Ton	21"	100,000	81,000	80.0%	
169596	R801SA125524MSA	5 Ton	24"	125,000	101,000	80.0%	
169597	R801SA150524MSA	5 Ton	24"	150,000	122,000	80.0%	



## Gas Upflow/Horizontal Furnaces

### 97%+ Gas Furnaces

# ULTRA

Series



- EcoNet™ Enabled
- ECM Motor
- Modulating Function: when used with an EcoNet Control
- PlusOne™ Ignition System
- PlusOne™ Water Management System
- PlusOne™ Diagnostics 7- Segment LED
- Blower Shelf design – serviceable in all furnace orientations
- Pre marked hoses – insures proper system drainage
- Vent with 2" or 3" PVC
- Integrated control boards feature dip switches for easy system set up
- Self priming condensate trap
- Solid bottom included

#### Warranties

Parts - 10 Years

Heat Exchanger - Limited Lifetime

Conditional Unit Replacement - Limited Lifetime

### 97% Gas Furnaces

Part #	Mfg#	Blower	Width	Input	Output	AFUE	Price
185048	U97VA060M317USA	3 Ton	17-1/2"	56,000	54,320	97.0%	
185049	U97VA070M317USA	3 Ton	17-1/2"	70,000	67,900	97.0%	
185050	U97VA085M521USA	5 Ton	21"	84,000	81,480	97.0%	
185051	U97VA100M521USA	5 Ton	21"	98,000	95,060	97.0%	
185052	U97VA115M524USA	5 Ton	24-1/2"	112,000	408,640	97.0%	

### 98%+ Gas Furnaces

Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
243342	U98VB060M317USA	3 Ton	17-1/2"	56,000	55,000	98.7%	
243343	U98VB070M317USA	3 Ton	17-1/2"	70,000	69,000	98.3%	
243344	U98VB085M521USA	5 Ton	21"	84,000	83,000	98.1%	
243345	U98VB100M521USA	5 Ton	21"	98,000	97,000	98.1%	
243346	U98VB115M524USA	5 Ton	24-1/2"	112,000	110,000	98.6%	

## Gas Upflow/Horizontal Furnaces

### Gas Upflow Furnaces

#### 80% KG7SA Series Gas Upflow/Horizontal Furnace

- Single stage heat/cool
- 100% fired and tested
- Best packaging in the industry
- Low Boy Height
- Tubular primary heat exchanger
- 30 second blower delay at start-up
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- PSC high static blowers
- 90 second cooling cycle blower-off delay (TDR)
- Flexible category I venting system
- Multi-speed direct drive PSC blower
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Integrated control board
- Two piece door design
- Furnace air leakage compliant



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118713	KG7SA045C23A	2-3	PSC	45,000	36,000	34 1/2" x 14 1/4"	
118715	KG7SA054C23A	2-3	PSC	54,000	43,200	34 1/2" x 14 1/4"	
118716	KG7SA072C24B	2-4	PSC	72,000	57,600	34 1/2" x 17 1/2"	
118717	KG7SA090C24B	2-4	PSC	90,000	72,000	34 1/2" x 17 1/2"	
118718	KG7SA072C35C	3-5	PSC	72,000	57,600	34 1/2" x 21"	
118719	KG7SA090C35C	3-5	PSC	90,000	72,000	34 1/2" x 21"	
118720	KG7SA108C35C	3-5	PSC	108,000	86,400	34 1/2" x 21"	
118721	KG7SA126C45D	4-5	PSC	126,000	100,800	34 1/2" x 24 1/2"	

## Gas Upflow/Horizontal Furnaces

### 92% KG7SC Series Gas Upflow/Horizontal Furnace

- Single stage heat/cool
- 100% fired and tested
- Best packaging in the industry
- Low Boy Height
- Tubular primary heat exchanger
- 30 second blower delay at start-up
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- PSC high static blowers
- 90 second cooling cycle blower-off delay (TDR)
- Flexible category I venting system
- Multi-speed direct drive PSC blower
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Integrated control board
- Two piece door design
- Furnace air leakage compliant



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118758	KG7SC038D23A	2-3	PSC	38,000	35,000	34 1/2" x 14 1/4"	
118759	KG7SC054D24B	2-4	PSC	54,000	49,700	34 1/2" x 17 1/2"	
118760	KG7SC072D24B	2-4	PSC	72,000	66,000	34 1/2" x 17 1/2"	
118761	KG7SC090D35C	3-5	PSC	90,000	82,000	34 1/2" x 21"	
118762	KG7SC072D35C	3-5	PSC	72,000	66,800	34 1/2" x 21"	
118763	KG7SC108D45D	4-5	PSC	108,000	99,000	34 1/2" x 24 1/2"	
118764	KG7SC120D45D	4-5	PSC	120,000	110,400	34 1/2" x 24 1/2"	

## Gas Upflow/Horizontal Furnaces

### 95% KG7TC Series Gas Upflow/Horizontal Furnace

- Two-stage heat/cool
- 100% fired and tested
- Best packaging in the industry
- Low Boy Height
- Tubular primary heat exchanger
- 30 second blower delay at start-up
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- Fixed speed ECM
- High efficiency blower motor
- 90 second cooling cycle blower-off delay (TDR)
- Flexible category I venting system
- Multi-speed direct drive blower (ECM)
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Integrated control board
- Two piece door design
- Furnace Air Leakage



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118765	KG7TC060D24B	2-4	BLDC	60,000	57,000	34 1/2" x 17 1/2"	
118766	KG7TC080D35C	3-5	BLDC	80,000	76,000	34 1/2" x 21"	
118767	KG7TC100D35C	3-5	BLDC	100,000	95,000	34 1/2" x 21"	
118768	KG7TC120D45D	4-5	BLDC	120,000	78,000	34 1/2" x 24 1/2"	



## Gas Upflow/Horizontal Furnaces

### 95% KG7SD Series Gas Upflow/Horizontal Furnace

- Single-stage heat/cool
- 100% fired and tested
- Best packaging in the industry
- Low Boy Height
- Tubular primary heat exchanger
- 30 second blower delay at start-up
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- PSC high static blowers
- 90 second cooling cycle blower-off delay (TDR)
- Flexible category I venting system
- Multi-speed direct drive PSC blower motor
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Integrated control board
- Two piece door design
- Furnace air leakage compliant



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
143089	KG7SD038D24B	2-4	Multi-Speed PSC	38,000	36,100	34 1/2" x 17 1/2"	
143091	KG7SD054D24B	2-4	Multi-Speed PSC	54,000	51,300	34 1/2" x 17 1/2"	
143092	KG7SD072D35C	3-5	Multi-Speed PSC	72,000	68,400	34 1/2" x 21"	
143093	KG7SD090D35C	3-5	Multi-Speed PSC	90,000	85,500	34 1/2" x 21"	
143094	KG7SD108D45D	4-5	Multi-Speed PSC	108,000	102,600	34 1/2" x 24 1/2"	
143095	KG7SD120D45D	4-5	Multi-Speed PSC	120,000	114,000	34 1/2" x 24 1/2"	

## Gas Upflow/Horizontal Furnaces

### 96% KG7TE Series Gas Upflow Furnace

- Two-stage heat/cool
- Energy efficient brushless DC (ECM) motor - fixed speed
- 100% fired and tested
- Best packaging in the industry
- Low Boy Height
- Aluminized steel primary heat exchanger
- 30 second blower delay at start-up
- 30 second post purge
- 90 second fixed cooling cycle blower-off delay
- Hot surface ignitor
- Color coded wire harness
- Flexible category I venting system
- High static blowers
- Variable speed blower kit available
- LP convertible (905028)
- Diagnostic lights for easy troubleshooting without counting flashes
- Integrated control board
- Two piece door design



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
236802	KG7TE060D24B1	2-4	ECM	60,000	57,600	34-1/2" x 17-1/2"	
236804	KG7TE080D35C1	3-5	ECM	80,000	52,000	34-1/2" x 21"	
236806	KG7TE100D35C1	3-5	ECM	100,000	96,000	34-1/2" x 21"	

## Gas Upflow/Horizontal Furnaces

### Gas Upflow Furnaces

#### FG7S (A Series) 80% Gas Upflow Furnace

- 100% fired and tested
- Best packaging in the industry
- Low Boy Height
- Tubular primary heat exchanger
- 30 second blower delay at start-up
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- High static blowers
- 90 second cooling cycle blower-off delay (TDR)
- Flexible category I venting system
- High efficiency blower kits
- Multi-speed direct drive blower
- LP convertible
- Diagnostic lights for easy troubleshooting without counting flashes
- Integrated control board
- Two piece door design
- Blower Compartment
- Furnace Air Leakage



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118830	FRIFG7SA045C23A	2-3	PSC	45,000	36,000	34 1/2" x 14 1/4"	
118831	FRIFG7SA054C23A	2-3	PSC	54,000	43,200	34 1/2" x 14 1/4"	
118832	FRIFG7SA072C24B	2-4	PSC	72,000	57,600	34 1/2" x 17 1/2"	
118833	FRIFG7SA072C35C	3-5	PSC	72,000	57,600	34 1/2" x 21"	
118834	FRIFG7SA090C24B	2-4	PSC	90,000	72,000	34 1/2" x 17 1/2"	
118835	FRIFG7SA090C35C	3-5	PSC	90,000	72,000	34 1/2" x 21"	
118836	FRIFG7SA108C35C	3-5	PSC	108,000	86,400	34 1/2" x 21"	
118837	FRIFG7SA126C45D	4-5	PSC	126,000	100,800	34 1/2" x 24 1/2"	

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## Gas Upflow/Horizontal Furnaces

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### FG7S (C Series) 92% Gas Upflow Furnace

- 100% fired and tested
- Best packaging in the industry
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- Flexible category IV venting system
- High Static Blowers
- Low Boy Height
- Tubular primary heat exchanger
- 90 second fixed cooling cycle blower-off delay (TDR)
- High efficiency blower kits
- Multi-speed direct drive blower
- LP convertible
- Diagnostic lights for easy troubleshooting without counting flashes
- Incorporates integrated control board
- Two piece door design
- Blower Compartment
- Sealed Vestibule
- Furnace Air Leakage



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118843	FRIFG7SC038D23A	2-3	PSC	38,000	35,000	34 1/2" x 14 1/4"	
118844	FRIFG7SC054D24B	2-4	PSC	54,000	49,700	34 1/2" x 17 1/2"	
118845	FRIFG7SC072D24B	2-4	PSC	72,000	66,000	34 1/2" x 17 1/2"	
118847	FRIFG7SC072D35C	3-5	PSC	72,000	66,000	34 1/2" x 21"	
118848	FRIFG7SC090D35C	3-5	PSC	90,000	82,000	34 1/2" x 21"	
118849	FRIFG7SC108D45D	4-5	PSC	108,000	99,000	34 1/2" x 24 1/2"	
118850	FRIFG7SC120D45D	4-5	PSC	120,000	110,400	34 1/2" x 24 1/2"	

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**Gas Upflow/Horizontal Furnaces**


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**FG7S (D Series) 95% Gas Upflow Furnace**

- 100% fired and tested
- Best packaging in the industry
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- Flexible category IV venting system
- High Static Blowers
- Low Boy Height
- Tubular primary heat exchanger
- 60 second fixed cooling cycle blower-off delay (TDR)
- High efficiency blower kits
- Multi-speed direct drive blower
- LP convertible
- Diagnostic lights for easy troubleshooting without counting flashes:
- Incorporates integrated control board
- Two piece door design
- Blower Compartment
- Sealed Vestibule
- Furnace Air Leakage



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
142960	FRIFG7SD038D24B	2-4	PSC	38,000	36,100	34 1/2" x 17 1/2"	
142959	FRIFG7SD054D24B	2-4	PSC	54,000	51,300	34 1/2" x 17 1/2"	
142958	FRIFG7SD072D35C	3-5	PSC	72,000	68,400	34 1/2" x 21"	
142957	FRIFG7SD090D35C	3-5	PSC	90,000	85,500	34 1/2" x 21"	
142956	FRIFG7SD108D45D	4-5	PSC	108,000	102,600	34 1/2" x 24 1/2"	
142955	FRIFG7SD120D45D	4-5	PSC	120,000	114,000	34 1/2" x 24 1/2"	

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**Gas Upflow/Horizontal Furnaces**


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**FG7T (A Series) 80% Gas Upflow Furnace**

- *i SEER*
- *100% fired and tested*
- *Best packaging in the industry*
- *Low Boy Height*
- *Tubular primary heat exchanger*
- *30 second blower delay at start-up*
- *30 second post purge*
- *Hot surface igniter*
- *Color coded wire harness*
- *High static blowers*
- *90 second cooling cycle blower-off delay (TDR)*
- *Flexible category I venting system*
- *Variable speed blower kit*
- *LP convertible*
- *Diagnostic lights for easy troubleshooting without counting flashes*
- *Integrated control board*
- *Two piece door design*
- *Blower Compartment*
- *2 Stage Inducer*
- *Furnace Air Leakage*



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
202365	FRIFG7TA060C23A	2-3	BLDC	60,000	48,000	34 1/2" x 14 1/4"	
202366	FRIFG7TA080C24B	2-4	BLDC	80,000	64,000	34 1/2" x 17 1/2"	
202367	FRIFG7TA100C24B	2-4	BLDC	100,000	80,000	34 1/2" x 17 1/2"	
202369	FRIFG7TA120C35C	3-5	BLDC	120,000	96,000	34 1/2" x 21"	
202370	FRIFG7TA140C45D	4-5	BLDC	140,000	112,000	34 1/2" x 24 1/2"	

## Gas Upflow/Horizontal Furnaces

### FG7T (C Series) 95% Gas Upflow Furnace

- iSEER
- 100% fired and tested
- Best packaging in the industry
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- Color coded wire harness
- Flexible category IV venting system
- High Static Blowers
- Low Boy Height
- Tubular primary heat exchanger
- 90 second fixed cooling cycle blower-off delay (TDR)
- Variable speed blower kit
- LP convertible
- Diagnostic lights for easy troubleshooting without counting flashes:
- Incorporates integrated control board
- Two piece door design
- Blower Compartment
- Sealed Vestibule
- 2 Stage Inducer
- Furnace Air Leakage



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118851	FRIFG7TC060D24B	2-4	BLDC	60,000	57,000	34 1/2" x 17 1/2"	
118852	FRIFG7TC080D35C	3-5	BLDC	80,000	76,000	34 1/2" x 21"	
118853	FRIFG7TC100D35C	3-5	BLDC	100,000	95,000	34 1/2" x 21"	
118854	FRIFG7TC120D45D	4-5	BLDC	120,000	114,000	34 1/2" x 24 1/2"	

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**Gas Upflow/Horizontal Furnaces**


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**FG7T (A Series) 80% Variable Speed Gas Upflow Furnace**

- *iSEER*
- *100% fired and tested*
- *Best packaging in the industry*
- *Low Boy Height*
- *Tubular primary heat exchanger*
- *30 second blower delay at start-up*
- *30 second post purge*
- *Two Stage Inducer*
- *Hot surface igniter*
- *Color coded wire harness*
- *High static blowers*
- *90 second cooling cycle blower-off delay (TDR)*
- *Flexible category I venting system*
- *LP convertible*
- *Diagnostic lights for easy troubleshooting without counting flashes*
- *Integrated control board*
- *Two piece door design*
- *Blower Compartment*
- *Furnace Air Leakage*



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
202371	FRIFG7TA060CVA1		Variable	60,000	48,000	34 1/2" x 14 1/4"	
202372	FRIFG7TA080CVB1		Variable	80,000	64,000	34 1/2" x 17 1/2"	
202373	FRIFG7TA100CVC1		Variable	100,000	80,000	34 1/2" x 21"	
202374	FRIFG7TA120CVC1		Variable	120,000	96,000	34 1/2" x 21"	
202375	FRIFG7TA140CVD1		Variable	140,000	112,000	34 1/2" x 24 1/2"	



## Gas Upflow/Horizontal Furnaces

### FG7T (C Series) 95% Variable Speed Gas Upflow Furnace

- *i SEER*
- *100% fired and tested*
- *Best packaging in the industry*
- *30 second blower delay*
- *30 second post purge*
- *Two Stage Inducer*
- *Hot surface igniter*
- *Color coded wire harness*
- *Flexible category IV venting system*
- *High Static Blowers*
- *Low Boy Height*
- *Tubular primary heat exchanger*
- *90 second fixed cooling cycle blower-off delay (TDR)*
- *LP convertible*
- *Diagnostic lights for easy troubleshooting without counting flashes*
- *Incorporates integrated control board*
- *Two piece door design*
- *Blower Compartment*
- *Sealed Vestibule*
- *Furnace Air Leakage*



Part #	Mfg #	Tons	Motor Type	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
118855	FRIFG7TC060DVB		Variable	60,000	57,000	34 1/2" x 17 1/2"	
118856	FRIFG7TC080DVC		Variable	80,000	76,000	34 1/2" x 21"	
118858	FRIFG7TC100DVC		Variable	100,000	95,000	34 1/2" x 21"	
118859	FRIFG7TC120DVD		Variable	120,000	114,000	34 1/2" x 24 1/2"	

## Gas Upflow/Horizontal Furnaces

### Gas Upflow/Horizontal Furnaces

#### A951A High-Efficiency Single-Stage Furnace Upflow

- Single stage gas valve
- Self diagnostics saves last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals
- Designed certified for direct and non direct applications
- Left or right utility connection
- Design certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base for bottom return air
- Quality Management district Low NOx requirements



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208640	AA95UH1D045B08A	1.5-2.5	17.5"	44,000	42,000	95	
208641	AA95UH1D045B12A	2-3	17.5"	44,000	42,000	95	
208642	AA95UH1D070B12A	2-3	17.5"	66,000	64,000	95	
208644	AA95UH1D090C12A	2-3	21"	88,000	85,000	95	
208645	AA95UH1D090C16A	3-4	21"	88,000	85,000	95	
208646	AA95UH1D110C16A	3-4	21"	110,000	106,000	95	
208647	AA95UH1D110C20A	4-5	21"	110,000	106,000	95	
208648	AA95UH1D135D20A	4-5	24.5"	132,000	126,000	95	

#### A801E Single-Stage, Constant Torque Furnace Upflow

- Self diagnostics saving last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals
- Rotatable draft inducer for venting flexibility
- Left or right utility connections
- Removable floor base (upflow / horizontal units) for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208510	AA80UH1E045A12	1-1/2 - 3	14.5"	44,000	35,200	80	
208511	AA80UH1E070B12	1-1/2 - 3	17.5"	66,000	52,800	80	
208512	AA80UH1E090B16	2-1/2 - 4	17.5"	88,000	70,400	80	
208513	AA80UH1E090C20	3 - 5	21"	88,000	70,400	80	
208534	AA80UH1E110C20	4 - 5	21"	110,000	88,000	80	
208535	AA80UH1E135D20	4 - 5	24.5"	132,000	105,600	80	

## Gas Upflow/Horizontal Furnaces

### A802V Two-Stage, Variable Speed Furnace Upflow

- Rotatable draft inducer for venting flexibility
- Left and right utility connections
- Removable floor base for bottom return air
- Quality Management district Low NOx requirements
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
209865	AA80US2V070A12	3	14.5"	66,000	52,000	80	
209866	AA80US2V090B12	3	17.5"	88,000	70,000	80	
209867	AA80US2V090C20	5	21"	88,000	70,000	80	
209868	AA80US2V110C20	5	21"	110,000	87,000	80	
209869	AA80US2V135D20	5	24.5"	132,000	105,000	80	

### A951E Single-Stage, Constant Torque Furnace Upflow

- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals
- Designed certified for direct (2-pipe) and non direct (1-pipe) applications
- Easily vented with PVC pipe
- Left or right utility connection
- Zero step horizontal conversion
- Removable floor base (upflow / horizontal units) for bottom return air



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208655	AA95UH1E045B12S	3	17.5"	44,000	42,000	95	
208656	AA95UH1E070B12S	3	17.5"	66,000	64,000	95	
208657	AA95UH1E090C16S	4	21"	88,000	85,000	95	
208658	AA95UH1E110C20S	5	21"	110,000	106,000	95	
208659	AA95UH1E135D20S	5	24.5"	132,000	128,000	95	

## Gas Upflow/Horizontal Furnaces

### A962V 2 Stage, High-Efficiency, Variable Speed Furnace Upflow

- Vent materials for Canadian applications must comply with ULC 5636
- Certified for direct vent (2-pipe) and in-direct (1-pipe) applications.
- Left and right utility connections
- Removable floor base for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
214461	AA96US2V045B12S	3	17.5"	29,000/44,000	28,000/42,000	96	
214462	AA96US2V070B12S	3	17.5"	43,000/66,000	41,000/62,000	96	
214463	AA96US2V090C12S	3	21"	57,000/88,000	55,000/84,000	96	
214464	AA96US2V090C16S	4	21"	57,000/88,000	55,000/85,000	96	
214465	AA96US2V090C20S	5	21"	57,000/88,000	55,000/85,000	96	
214466	AA96US2V110C16S	4	21"	72,000/110,000	70,000/105,000	96	
214467	AA96US2V110C20S	5	21"	72,000/110,000	70,000/106,000	96	
214468	AA96US2V135D20S	5	24.5"	88,000/132,000	84,000/126,000	96	

### A97MV High-Efficiency Modulating Furnace Testing Upflow

- Communicating control enabled
- Modulating gas valve
- Thermostat flexibility: works with the Comfort Sync T-Stat or a conventional 24V T-Stat
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Category 4 direct vent appliance (2 pipe only)



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
209773	AA97USMV070B12S	3	17.5"	66,000	64,000	97	
209774	AA97USMV090C12S	3	21"	88,000	85,000	97	
209775	AA97USMV090C16S	4	21"	88,000	85,000	97	
209776	AA97USMV090C20S	5	21"	88,000	85,000	97	
209777	AA97USMV110C20S	5	21"	110,000	106,000	97	
209778	AA97USMV135D20S	5	24.5"	132,000	127,000	97	

## Gas Upflow/Horizontal Furnaces

### A931A High-Efficiency Single-Stage Furnace Upflow

- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saving last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals
- Certified for direct vent and indirect vent (1 and 2 pipe applications)
- Left or right utility connections
- Removable floor base (upflow / horizontal units) for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208626	AA93UH1D045B08A	2	17.5"	44,000	41,000	93	
208627	AA93UH1D045B12A	3	17.5"	44,000	42,000	93	
208628	AA93UH1D070B08A	2	17.5"	66,000	62,000	93	
208629	AA93UH1D070B12A	3	21"	66,000	61,000	93	
208630	AA93UH1D090C12A	3	21"	88,000	83,000	93	
208631	AA93UH1D090C16A	4	21"	88,000	83,000	93	
208632	AA93UH1D110C16A	4	21"	110,000	104,000	93	
208633	AA93UH1D110C20A	5	21"	110,000	104,000	93	
208635	AA93UH1D135D20A	5	24.5"	132,000	124,000	93	

### A801A Standard-Efficiency Single-Stage Furnace

- Left or right utility connections
- Removable floor base for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208497	AA80UH1D045A12	3	14.5"	44,000	35,000	80	
208498	AA80UH1D070A08	2	14.5"	66,000	54,000	80	
208499	AA80UH1D070A12	3	14.5"	66,000	54,000	80	
208500	AA80UH1D090B12	3	17.5"	88,000	71,000	80	
208501	AA80UH1D090B16	4	17.5"	88,000	71,000	80	
208502	AA80UH1D110C12	3	21"	110,000	89,000	80	
208503	AA80UH1D110C16	4	21"	110,000	89,000	80	
208504	AA80UH1D110C20	5	21"	110,000	89,000	80	
208505	AA80UH1D135D20	5	24.5"	132,000	107,000	80	

## Gas Upflow/Horizontal Furnaces

### A952V High-Efficiency, Variable Speed Furnace Upflow

- Vent materials for Canadian applications must comply with ULC 5636
- Certified for direct vent (2-pipe) and in-direct (1-pipe) applications.
- Left and right utility connections
- Removable floor base for bottom return air
- All models comply with California's South Coast Air Quality
- Management district Low NOx requirements
- Zero step horizontal conversion



Part #	Mfg #	Tons	Width	Input	Output	AFUE	Price
208664	AA95UH2V045B12S	3	17.5"	29,000/44,000	28,000/42,000	95	
208665	AA95UH2V070B12S	3	17.5"	43,000/66,000	41,000/62,000	95	
208666	AA95UH2V090C12S	3	21"	57,000/88,000	55,000/84,000	95	
208668	AA95UH2V090C16S	4	21"	57,000/88,000	55,000/85,000	95	
208669	AA95UH2V090C20S	5	21"	57,000/88,000	55,000/85,000	95	
208670	AA95UH2V110C16S	4	21"	72,000/110,000	70,000/105,000	95	
208671	AA95UH2V110C20S	5	21"	72,000/110,000	70,000/106,000	95	
208672	AA95UH2V135D20S	5	24.5"	88,000/132,000	84,000/126,000	95	

## Gas Upflow/Horizontal Furnaces

### Gas Upflow/Horizontal Furnaces

#### 80G1 80% Single Stage Gas Furnace

- Crimped no-weld aluminized clam shell heat exchanger construction
- Compact 33" height
- Standardized widths for easy coil fit
- Multi-speed PSC blower motor
- Easily removable slide out blower design
- Single stage gas valve
- Self diagnostics saving last 5 fault codes regardless of power interruption
- Rotatable draft inducer for venting flexibility
- Left or right utility connections
- Removable floor base for bottom return air
- Zero step horizontal conversion



Part #	Mfg #	Tons	AFUE	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
208685	DC80G1UH045AP12	3	80%	44,000	45,000	33" x 14-1/2"	
208686	DC80G1UH070AP08	2	80%	66,000	70,000	33" x 14-1/2"	
208687	DC80G1UH070AP12	3	80%	66,000	70,000	33" x 14-1/2"	
208688	DC80G1UH090BP12	3	80%	88,000	90,000	33" x 17-1/2"	
208689	DC80G1UH090BP16	4	80%	88,000	90,000	33" x 17-1/2"	
208690	DC80G1UH110CP12	3	80%	110,000	110,000	33" x 21"	
208691	DC80G1UH110CP16	4	80%	110,000	110,000	33" x 21"	
208692	DC80G1UH110CP20	5	80%	110,000	110,000	33" x 21"	
208693	DC80G1UH135DP20	5	80%	132,000	135,000	33" x 24-1/2"	

**Gas Upflow/Horizontal Furnaces**

**92G1 92% Single Stage Gas Furnace**

- *Aluminized steel design primary heat exchanger with crimped no weld construction*
- *AL 29-4C Stainless steel secondary heat exchanger*
- *Aluminized steel inshot burners for smooth ignition*
- *Compact 33" height*
- *Standardized widths for easy coil fit*
- *Multi-speed PSC blower motor*
- *Easily removable slide-out blower design*
- *Single Stage Gas Valve*
- *Self diagnostics saves last 5 fault codes regardless of power interruption*
- *Control features electronic air cleaner and humidifer terminals*
- *Designed certified for direct and non direct applications*
- *Left or right utility connection*
- *Designed certified for direct and non-direct vent applications*
- *Zero step horizontal conversion*
- *Removable floor base for botom return air*



Part #	Mfg #	Tons	AFUE	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
208698	DC92G1UH045BP08	2	92%	44,000	45,000	33" x 17-1/2"	
208699	DC92G1UH045BP12	3	92%	44,000	45,000	33" x 17-1/2"	
208700	DC92G1UH070BP08	2	92%	66,000	70,000	33" x 17-1/2"	
208701	DC92G1UH070BP12	3	92%	66,000	70,000	33" x 17-1/2"	
208702	DC92G1UH090CP12	3	92%	88,000	90,000	33" x 21"	
208704	DC92G1UH110CP16	4	92%	110,000	110,000	33" x 21"	
208705	DC92G1UH110CP20	5	92%	110,000	110,000	33" x 21"	
208706	DC92G1UH135DP20	5	92%	132,000	135,000	33" x 24-1/2"	



## Gas Upflow/Horizontal Furnaces

### 95G1 95% Single Stage Gas Furnace

- *Aluminized steel design primary heat exchanger with crimped no weld construction*
- *AL 29-4C Stainless steel secondary heat exchanger*
- *Aluminized steel inshop burners for smooth fit*
- *Compact 33" height*
- *Standardized widths for easy coil fit*
- *Multi-speed PSC blower motor*
- *Easily removable slide-out blower design*
- *Single Stage Gas Valve*
- *Self diagnostics saves last 5 fault codes regardless of power interruption*
- *Control features electronic air cleaner and humidifier terminals*
- *Designed certified for direct and non direct applications*
- *Left or right utility connection*
- *Designed certified for direct and non-direct vent applications*
- *Zero step horizontal conversion*
- *Removable floor base for bottom return air*



Part #	Mfg #	Tons	AFUE	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
208830	DC95G1UH045BP08	2	95%	44,000	45,000	33" x 17-1/2"	
208831	DC95G1UH045BP12	3	95%	44,000	45,000	33" x 17-1/2"	
208832	DC95G1UH070BP12	3	95%	66,000	70,000	33" x 17-1/2"	
208833	DC95G1UH090CP12	3	95%	88,000	90,000	33" x 21"	
208834	DC95G1UH090CP16	4	95%	88,000	90,000	33" x 21"	
208835	DC95G1UH110CP16	4	95%	110,000	110,000	33" x 21"	
208836	DC95G1UH110CP20	5	95%	110,000	110,000	33" x 21"	
208837	DC95G1UH135DP20	5	95%	132,000	135,000	33" x 24-1/2"	

## Gas Upflow/Horizontal Furnaces

### 95G1E 95% Single Stage Gas Furnace Constant Torque Motor

- *Designed certified for direct (2-pipe) and non direct (1-pipe) applications*
- *Easily vented with PVC pipe*
- *Left or right utility connection*
- *Design certified for direct and non-direct vent applications*
- *Zero step horizontal conversion*
- *Removable floor base (upflow / horizontal units) for bottom return air*
- *Aluminized steel primary heat exchanger with crimped nonwelded construction*
- *AL 29-4C Stainless steel secondary heat exchanger*
- *Aluminized steel inshot burners for smooth ignition*
- *Compact 33" height*
- *Standardized widths for easy coil fit*
- *Multi-speed high efficiency (constant torque) blower motor*
- *Easily removable slide out blower design*
- *Enhanced cooling SEER ratings when applied with properly matched cooling equipment.*
- *Single stage gas valve*
- *Durable silicon nitride ignitor*
- *Self diagnostics saves last 10 fault codes regardless of power interruption*
- *Control features electronic air cleaner and humidifier terminals*



Part #	Mfg #	Tons	AFUE	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
208842	DC95G1UH045BE12	3	95%	44,000	45,000	33" x 17-1/2"	
208843	DC95G1UH070BE12	3	95%	66,000	70,000	33" x 17-1/2"	
208844	DC95G1UH090CE16	4	95%	88,000	90,000	33" x 21"	
208845	DC95G1UH110CE20	5	95%	110,000	110,000	33" x 21"	
208846	DC95G1UH135DE20	5	95%	132,000	135,000	33" x 24-1/2"	

## Gas Upflow/Horizontal Furnaces

### 95G2V Two Stage Variable Speed Gas Furnace

- *Aluminized steel primary heat exchanger with crimped nonwelded construction*
- *AL29-4C Stainless steel secondary heat exchanger*
- *Non-welded crimped S-curve primary heat exchanger design for maximum durability*
- *Aluminized steel in shot burners for smooth ignition*
- *Isolated burner enclosure for quiet operation*
- *Compact 33" height*
- *Standardized widths for easy coil fit*
- *Unitized construction for cabinet integrity*
- *Heat exchanger compartment is insulated to increase efficiency and reduce sound levels*
- *Baked on prepainted steel cabinet finish*
- *Efficient ECM variable speed blower motor*
- *Motor features "soft start" and "soft stop" for quiet operation*
- *Active and passive dehumidification feature*
- *Easily removable slide-out blower design*
- *Dynamically balanced blower wheel with resilient motor mounts for smooth and quiet operation*
- *Two stage gas valve*
- *Integrated ignition and fan control*
- *System Sentry™ control retains last five (5) fault codes with push button memory recall, regardless of power interruption*
- *Hot surface ignition system uses silicon nitride ignitor*
- *Control features 120 volt electronic air cleaner and humidifier terminals*
- *Control circuit is fuse protected*
- *Color coded control wiring*
- *Compatible with single or two stage thermostats for heating.*
- *Two stage thermostat is recommended when installed with two stage cooling unit.*
- *Left or right gas and electric entry*
- *Zero step horizontal conversion*
- *Removable floor base (upflow/horizontal units) for bottom return air*



Part #	Mfg #	Tons	AFUE	Input BTUH	Heating Capacity BTUH	Dimensions (H x W)	Price
210864	DC95G2UH045BV12	3	95%	29,000, 44,000	45,000	33" x 17-1/2"	
210865	DC95G2UH070BV12	3	95%	43,000, 66,000	70,000	33" x 17-1/2"	
210866	DC95G2UH090CV12	3	95%	57,000, 88,000	90,000	33" x 21"	
221672	DC95G2UH090CV20	5	95%	57,000, 88,000	90,000	33" x 21"	
217360	DC95G2UH110CV20	5	95%	72,000, 110,000	110,000	33" x 21"	
210867	DC95G2UH135DV20	5	95%	88,000, 132,000	135,000	33" x 24-1/2"	

**Gas Unit Heaters**

**Unit Heaters**

**UDAP V3® Power Vented, Low Static, Axial Fan Unit Heater**

- All sizes are approved for commercial/industrial installations
- Sizes 30 - 125 are approved for residential application
- Rise range: 50° to 60°F
- Tcore2® Design titanium stabilized aluminized steel heat exchanger and single burner combustion system with 1-piece burner assembly
- 115-1-60 Supply voltage
- Internal overload protection
- Integrated circuit board with diagnostic indicator lights
- Fan relay
- Multi-try direct spark ignition with 100% lockout
- Full fan guard
- 2-Stage natural or propane gas valve on sizes 60 - 400



Part #	Mfg #	Gas Type	Input/ Output MBTUH	Efficiency	CFM	Vent Dia	Blower/ Fan Size	Dimensions H x W x D	Approx Ship Wt	Price
060544	UDAP30	NG	30/25	82%	456	4"	10"	12-1/8" x 25-5/8" x 26"	61 lbs	
060545	UDAP45	NG	45/37	83%	629	4"	10"	12-1/8" x 25-5/8" x 26"	66 lbs	
060546	UDAP60	NG	60/50	83%	769	4"	12"	15-1/8" x 25-5/8" x 27"	74 lbs	
099172	UDAP60AA2	LP	60/50	83%	769	4"	12"	15-1/8" x 25-5/8" x 27"	67 lbs	
060547	UDAP75	NG	75/62	83%	961	4"	12"	15-1/8" x 25-5/8" x 27-5/8"	79 lbs	
099171	UDAP75AA2	LP	75/62	83%	961	4"	12"	15-1/8" x 25-5/8" x 27-5/8"	79 lbs	
060548	UDAP100	NG	105/87	83%	1,345	4"	16"	23-1/8" x 25-5/8" x 28-5/8"	118 lbs	
060549	UDAP125	NG	120/100	83%	1,537	4"	16"	23-1/8" x 25-5/8" x 29-3/8"	123 lbs	
063749	UDAP150	NG	150/125	83%	1,921	5"	18"	20-1/8" x 38-3/16" x 42"	204 lbs	
063750	UDAP175	NG	175/145	83%	2,242	5"	18"	20-1/8" x 38-3/16" x 42"	219 lbs	
063751	UDAP200	NG	200/166	83%	2,562	5"	18"	20-1/8" x 38-3/16" x 42"	219 lbs	
063752	UDAP225	NG	225/187	83%	2,882	5"	18"	26-1/8" x 38-3/16" x 42"	245 lbs	
063753	UDAP250	NG	250/208	83%	3,202	5"	20"	26-1/8" x 38-3/16" x 42"	257 lbs	
063754	UDAP300	NG	300/249	83%	3,843	6"	24"	34-1/8" x 41 x 42"	321 lbs	
093423	UDAP400	NG	400/332	83%	5,123	6"	24"	34-1/8" x 41 x 42"	358 lbs	

**Gas Fireplaces**

**Direct Vent Gas Fireplaces**

**Tahoe Deluxe Direct Vent Gas Fireplace**

- Millivolt ignition with standing pilot/Piezo



Part #	Mfg #	Input BTUH	Gas Type	Ship Wt	Price
094560	DVD-36-FP30NG	20,000	NG	102 lbs	
094568	DVD-42-FP30NG	25,000	NG	121 lbs	

**4" x 6-5/8" Direct Vent Kit**

- Includes: cap, wall thimble, collars, gear clamps, vinyl siding shield, and 4' of 4" and 7" flexible vent

Part #	Mfg #	Description	Price
086619	DVVK-4F	DV Horiz Flexible Vent Kit	

## Quiet-One Kickspace Heaters

### Quiet-One 2000 Kickspace Heater

- 1-Piece chassis with removable grille manufactured from high grade zinc coated steel
- Headered coil made of copper tubes, tested at 300 psi and sealed for quality
- Integral 2-speed, max-off-min fan switches
- 120-60-1 Power supply is required
- Quiet efficient operation; installer friendly
- Easily fits in tight spaces or hard-to-heat areas



Part #	Mfg #	MBTUH	H x W x D	Price
122268	KS-2004	4.3	3-1/2" x 13-7/8" x 10-7/8"	
122273	KS-2008	8.9	3-13/16" x 20" x 10-7/8"	

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## Furnace Accessories

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### LP Conversion Kits

Part #	Mfg #	Description	Price
150450	904404A	LP Kit for G7 Furnaces	
143717	905028	LP Conversion Kit	
243032	922311	R8GE Pkg LP Kit	

**Furnace Accessories**

**Concentric Venting**

**Concentric Vent**

- *Allows both the intake for combustion air and the exhaust vent to pass through a standard roof or sidewall*
- *Kit includes:*
  - *Combustion air inlet cap*
  - *Air inlet pipe*
  - *Vent pipe*
  - *Intake/vent concentric "Y"*
  - *Installation instructions on box*



Part #	Mfg #	Description	Price
138703	CVENT-2	For Use w/2" Intake/Vent Systems	
138704	CVENT-3	For Use w/3" Intake/Vent Systems	



## Furnace Accessories

### Accessories Plenum Connectors



Part #	Mfg #	Description	Price
177147	INT901988A	901988A Plenum Connector 11.25 x 13.5 x 2	
177146	INT901989A	901989A Plenum Connector 11.25 x 13.5 x 4.25	
177145	INT901990A	901990A Plenum Connector 11.25 x 13.5 x 6.25	
177144	INT901991A	901991A Plenum Connector 11.25 x 13.5 x 8.25	

### Flue Transition Kit For M7RL 95%



Part #	Mfg #	Description	Price
126521	INT904106	904106 PVC Vent Transition Kit for M7RL Units	

### Flat Roof Flue Assembly



Part #	Mfg #	Description	Price
177153	INTFAW15230A	FAW1523-0A Flat Roof Flue Assembly	
233680	INTFAW21350A	FAW2135-0A Flat Roof Flue Assembly	
233682	INTFAW21350S	FAW2135-0S Flat Roof Flue Assembly	
177216	INTFAW27470A	FAW2747-0A Flat Roof Flue Assembly	

### Sloped Roof Flue Assembly



Part #	Mfg #	Description	Price
177141	INTSAW21352A	SAW2135-2A Sloped Roof Flue Assembly	



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## Furnace Accessories

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### Accessories (Continued) Sloped Roof Flue Assembly

Part #	Mfg #	Description	Price
233683	INTSAW21352S	SAW2135-2S Sloped Roof Flue Assembly	
177142	INTSAW27472A	SAW2747-2A Sloped Roof Flue Assembly	
233684	INTSAW27474A	SAW2747-4A Sloped Roof Flue Assembly	
177143	INTSAW35632A	SAW3563-2A Sloped Roof Flue Assembly	
233685	INTSAW35632S	SAW3563-2S Sloped Roof Flue Assembly	
233686	INTSAW35634A	SAW3563-4A Sloped Roof Flue Assembly	
233687	INTSAW51952A	SAW5195-2A Sloped Roof Flue Assembly	
233688	INTSAW51954A	SAW5195-4A Sloped Roof Flue Assembly	
233689	INTSAW51954S	SAW5195-4S Sloped Roof Flue Assembly	

## Maxifold Manifolds & Accessories

### Maxifold Manifolds



#### 1-1/2" Stainless Steel Radiant Heating Manifold

- Includes:
  - Inline valves
  - Adjustable flowmeters - up to 2 gpm per loop
  - 1" Swt Manifold transitions
  - Mounting brackets

Part #	Mfg #	Description	Price
144240	H-4172	For 2 Branches	
144241	H-4173	For 3 Branches	
144242	H-4174	For 4 Branches	
144243	H-4175	For 5 Branches	
144244	H-4176	For 6 Branches	
144245	H-4177	For 7 Branches	
144246	H-4178	For 8 Branches	

#### Stainless Steel Extension Kit with Manifold Coupler

- Total number of loops not to exceed 14

Part #	Mfg #	Description	Price
144247	H-4172 EXT	For 2 Additional Branches	
144248	H-4173 EXT	For 3 Additional Branches	
144249	H-4174 EXT	For 4 Additional Branches	
144250	H-4175 EXT	For 5 Additional Branches	
144251	H-4176 EXT	For 6 Additional Branches	

### Accessories

Part #	Mfg #	Description	Price
144253	H-4700	1" Full-Port Ball Valves (Set)	
144252	H-4004	Caps for Unused Loops	
144259	H-4900	Thermometer	
150018	H-6815	Manifold Gasket	

#### Electrothermal Actuator (LH)

- For heating manifolds and zone valves

Part #	Mfg #	Description	Price
144239	H-2496	Normally Closed with End Switch, 4-Wire	

### Compression Fitting (EK20 Size)

- Use with manifolds, panel radiators, and towel warmers

Part #	Mfg #	Description	Price
145820	H-6848	5/16" PEX	
144254	H-6849	3/8" PEX	
144255	H-6850	1/2" PEX	
144256	H-6851	5/8" PEX	
144257	H-6852	3/4" PEX	

## Boilers

### Gas Combination Boilers

#### Condensing Gas Combination Boiler (NCB-E)

- Super condensing efficiency
- Dual stainless steel heat exchangers
- SCH40, 2" PVC venting up to 60'
- ½" Gas pipe up to 24'
- Automatic water filling system
- Integrated controls



Part #	Mfg #	Gas	Gas Supply Pressure Min - Max	Heat Capacity Input (MBTUH) Min - Max	Thermal Efficiency	DOE	Dimensions W x H x D	Approx Ship Wt	Price
181352	NCB-150E	NG/LP	3.5" - 10.5"WC	12,000-120,000	95%	28" x 17" x 12"	66lbs		
181353	NCB-180E	NG/LP	3.5" - 10.5"WC	14,000-150,000	95%	28" x 17" x 12"	74 lbs		
181354	NCB-210E	NG/LP	3.5" - 10.5"WC	18,000-180,000	95%	28" x 17" x 12"	84 lbs		
181356	NCB-240E	NG/LP	3.5" - 10.5"WC	18,000-199,000	95%	28" x 17" x 12"	84 lbs		

### Gas Heating Boilers

#### Condensing Gas Boiler (NHB)

- Super condensing efficiency
- Dual stainless steel heat exchangers
- SCH40, 2" PVC venting up to 60'
- ½" Gas pipe up to 24'
- TDR 7:1 to 11:1
- integrated controls
- Natural gas supply pressure (from source): 3.5" x 10.5"wc
- Propane gas supply pressure (from source): 8.0"-13.5"wc

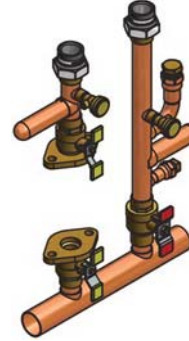


Part #	Mfg #	Gas	NG Manifold Pressure	LP Manifold Pressure	Gas Connection Size	Dimensions H x W x D	Ship Wt	Price
169617	NHB-55	NG/LP	3.5"-10.5"wc	8.0"-13.5"wc	3/4" NPT	24" x 17" x 12"	73 lbs	
169618	NHB-80	NG/LP	3.5"-10.5"wc	8.0"-13.5"wc	3/4" NPT	24" x 17" x 12"	73 lbs	
169619	NHB-110	NG/LP	3.5"-10.5"wc	8.0"-13.5"wc	3/4" NPT	24" x 17" x 13"	80 lbs	
169620	NHB-150	NG/LP	3.5"-10.5"wc	8.0"-13.5"wc	3/4" NPT	24" x 17" x 13"	80 lbs	

**Boilers**

**Parts & Accessories**  
**NHB Series Primary Manifold**

- *Pre-assembled*
- *Designed specifically for use with Navien NHB Series*
- *1" FNPT dielectric unions for the boiler supply and return*
- *1-1/2" sweat connections for heating supply and return piping*
- *1" flange connections*
- *L-copper piping*
- *Shut-off valves*
- *(2) 1" stub-outs*
- *(2) 1/4" service and drain ports*
- *1/2" and 3/4" ports for use with heating system accessories*



Part #	Mfg #	Description	Price
172465	GFFM-MSOZUS-001	Compatible with NHB-055, NHB-080, NHB-110, and NHB-150	

**NCB Series Primary Manifold**

- *Pre-assembled*
- *Designed specifically for use with Navien NCB Series*
- *1" FNPT dielectric unions for the boiler supply and return*
- *1-1/4" sweat connections for heating supply and return piping*
- *L-copper piping*
- *Shut-off valves*
- *(2) 1/4" service and drain ports*
- *(2) 3/4" ports for use with heating system accessories*



Part #	Mfg #	Description	Price
172715	GFFM-MCOZUS-001	Compatible with NCB-180, NCB-180E, NCB-210, NCB-210E, NCB-240, and NCB-240E	

**Thermolec Boilers**

**Electric Stand Alone, Modulating Boilers**

**Standard Features:**

- *Mechanical:*
  - Heavy-duty, fully insulated heat generator
  - Low-watt density Incoloy elements
  - Easy access for installation and maintenance
  - Approved for zero clearance to combustible materials
  - Pressure relief valve
  - Temperature and pressure gauge
- *Electrical:*
  - Convenient plug-in electronic board controls all automatic functions
  - Pre-wired elements electronically controlled for full modulation
  - Quiet magnetic relays for heating elements and pump
  - High-limit thermal protection
  - Adjustable electronic hot water aqua-stat with wide range to suit all applications (80°F to 180°F)
  - Outdoor reset control saves energy and improves comfort
- *FFB Electric Boiler has the above features plus:*
  - Built-in, 2-position, dual fuel control switch allows manual selection of gas/oil or electric
  - Magnetic, diverting valve relay to divert from electric to fossil fuel back-up boiler
- *10-Year warranty on heat generator and Incoloy elements*



Part #	Mfg #	kW	Output BTUH	Total Amps	Breaker Size	Dimensions H x W x D	Weight	Price
121876	B-8U-FFB	8kW	27,296	33.33A	1 x 50A	18" x 18" x 9-1/2"	33 lbs	
121881	B-15U-FFB	15kW	51,180	62.50A	1 x 60A/1 x 30A	18" x 18" x 9-1/2"	37 lbs	
121883	B-20U-FFB	20kW	68,240	83.37A	2 x 60A	18" x 18" x 9-1/2"	42 lbs	
121884	B-23U-FFB	23kW	78,476	95.83A	2 x 60A	18" x 18" x 9-1/2"	42 lbs	
121886	B-30U-FFB	30kW	102,360	125.00A	3 x 60A	28" x 18" x 9-1/2"	59 lbs	
121888	B-40U-FFB	40kW	136,480	166.67A	4 x 60A	28" x 18" x 9-1/2"	62 lbs	

**High Performance Electric Boilers**

- *Single or multiple-zone applications*
- *Requires no venting*
- *Sturdy aluminum case*
- *Stainless steel tank*
- *Compact and light weight design*
- *Aquastat control: adjustable supply water temperature range up to 190°F*
- *Full modulation for precise BTUH demand output*
- *Thermostat or zone valve end switch connections*
- *Pump switching relay*
- *Load management control connections*
- *Outdoor reset control*
- *Built-in circuit breaker*
- *Pressure relief valve: 30 psi*
- *Temperature and pressure gauge*
- *CSA Listed*



Part #	Mfg #	kW	Output BTUH	Total Amps	Breaker Size	Dimensions H x W x D	Weight	Price
135153	B-6TMB	6kW	20,472	25.00A	1 x 40A	18" x 13" x 8-7/8"	23 lbs	
135156	B-11TMB	11kW	37,532	45.80A	1 x 60A	18" x 13" x 8-7/8"	27 lbs	

All boiler specifications @ 240V / 1-phase

## Triangle Tube (Prestige) Boilers

### Prestige Condensing Boilers

#### Prestige Excellence High Efficiency "Tank-in-Tank" Indirect-Fired Condensing Boiler

**10-Year Limited Heat Exchanger Warranty**

- 96% AFU Efficiency
- Abundant domestic hot water with standard mixing valve
- Highest water content in the industry
- Ideal for small zones without short cycling
- Self cleaning/self descaling
- Quiet operation
- Fully modulating
- Built-in exclusive "Tank-in-Tank"
- Unparalleled resistance to corrosion
- Less sensitive to water flow
- Vertical firetube design
- 439 Grade stainless steel heat exchanger
- Impervious to chloride cracking
- Stable temperature control
- Low pressure drop
- Condensate washes combustion residue away
- Control panel with digital display
- Standard outdoor reset
- Direct vent/sealed combustion



Part #	Mfg #	DOE Heat Capacity	Net IBR	MBH Input Modulation	Dimensions H x W x D	Water Volume	Gas Type	Ship Wt	Price
113080	PE110NG	99	86	30 - 110	37.2" x 24.7" x 20.8"	2.5 gal	NG	190 lbs	
113081	PE110LP	87	76	25 - 97	37.2" x 24.7" x 20.8"	2.5 gal	LP	190 lbs	

#### Prestige Solo Stainless Steel Wall Mount Condensing Boiler

**Limited 10-Year warranty**

- 95% High efficiency
- Quiet operation
- Fully modulating
- 439 Grade stainless steel heat exchanger
- Digital display
- High temperature limit protection
- Low water protection
- Low NOx
- Low pressure drop
- Self cleaning-condensate washes residue away
- Outdoor temperature sensor
- 30 psi Pressure relief valve



Part #	Mfg #	DOE Heat Capacity MBH	Net IBR	MBH Input Modulation	Dimensions H x W x D	Water Volume	Gas Type	Ship Wt	Price
113827	SOLO-60	54	47	16 - 60	35-1/2" x 20" x 16"	2.5 gal	NG	95 lbs	
091011	SOLO-110	99	86	30 - 110	35-1/2" x 20" x 16"	2.5 gal	NG	106 lbs	
091012	SOLO-110LP	87	76	25 - 97	35-1/2" x 20" x 16"	2.5 gal	LP	106 lbs	



## Triangle Tube (Prestige) Boilers

### Prestige Condensing Boilers (Continued)

#### Prestige Solo Stainless Steel Wall Mount Condensing Boiler

Part #	Mfg #	DoE Heat Capacity MBH	Net IBR	MBH Input Modulation	Dimensions H x W x D	Water Volume	Gas Type	Ship Wt	Price
091013	SOLO-175	154	134	50 - 170	35-1/2" x 20" x 16"	4.6 gal	NG	131 lbs	
102609	SOLO-250	223	194	65 - 245	35-1/2" x 20" x 16"	4.1 gal	NG	142 lbs	
107251	SOLO-399	379	330	112 - 399	37-1/2" x 24-3/4" x 20-3/4"	7 gal	NG	200 lbs	

#### Smart Stainless Steel Indirect Fired Water Heaters

- Exclusive "Tank-in-Tank" Technology
- Abundant domestic hot water at the lowest possible cost
- Limited residential lifetime warranty
- 2" of Polyurethane foam insulation
- Self cleaning/self descaling heat exchanger
- Anti-bacteria growth/maintenance free
- Lowest pressure drop in the industry



Part #	Mfg #	Water Capacity	Boiler Output Btu/Hr	First Hour Recovery	Continuous Flow (Gal)	Peak Flow (Gal/10mi)	Price
154764	SMART100	95	337,000	525	450	150	



## Weil McLain Boilers

### Residential Gas Boilers

#### EVG Evergreen Gas Boiler

- Stainless steel fire tube heat exchanger with non-metallic base
- Floor standing boiler with optional wall mount kit
- Sizes 220MBG, 299MBH, 399MBH
- Modulating condensing boiler with 10:1 turndown
- 95% AFUE (220/299); 96.5% combustion (399)
- 4 Pump/auxiliary outputs
- Up to 8 multiple boiler control with lead/lag rotation
- Modbus® to BMS connectivity
- Each input can be assigned to a priority (up to 3)
- Multiple inputs can be assigned on priority (zone base control)
- All lag boiler inputs and output can be used
- 0-10 Volt input (modulation or set point)
- Configurable auxiliary input/output system
- Boiler circulator included



Part #	Mfg #	Boiler Model	CSA Input MBH	AFUE	DOE Heating Capacity MBH	Net AHRI Rating MBH	Vent Size	Approx Ship Wt	Price
179790	383-900-000	EVG220	220	95%	206	179	3" or 4"	215 lbs	
179795	383-900-001	EVG299	299	95%	280	243	4"	260 lbs	
179797	383-900-002	EVG399	399	96.5%	383	333	4"	260 lbs	

#### WM97+ Wall-Mount Gas Boilers

- Condensing stainless steel fire tube heat exchanger design
- Built in boiler circulator, primary/secondary piping option, low water cutoff and expansion tank
- Pre-wired terminal strip
- Indirect-fired water heater connection
- Capable to vent with PVC, PP and SS up to 100'
- Multi-color LCD display with text
- 3 Zone circulator control with optional domestic hot water priority
- 5 to 1 Turndown ratio capability
- Includes:
  - Propane conversion kit
  - Water treatment kit
  - Vent termination



Part #	Mfg #	Boiler Model	AGA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	Chimney/Vent Size	Approx Ship Wt	Price
144285	383-700-003	WM97+ 70	70,000	95.2%	65,000	57,000	3"	136 lbs	
144286	383-700-004	WM97+ 110	110,000	95%	101,000	88,000	3"	136 lbs	
151176	383-700-005	WM97+ 155	155,000	95.1	143,000	124,000	3"	162 lbs	

## Weil McLain Boilers

### ECO Wall-Mount Gas Boiler

- Class-leading 70,000, 110,000, and 155,000 BTUH models
- Exceeds Energy Star requirements at 95% AFUE efficiency rating
- Durable stainless steel fire tube heat exchanger
- Streamlined design configurable for installation
- Display can be mounted on the boiler or wall (up to 2' away)
- Components positioned for fast and easy service
- Multiple vent configurations and material options
- Optional accessories to match virtually any installation



Part #	Mfg #	Boiler Model	AGA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	Chimney/Vent Size	Approx Ship Wt	Price
170154	383-800-003	ECO70	70,000	95.2%	65,000	57,000	2" or 3"	117 lbs	
183864	383-800-004	ECO110	110,000	95.0%	101,000	88,000	2" or 3"	177 lbs	
166038	383-800-005	ECO155	155,000	95.1%	143,000	124,000	3"	130 lbs	

### GV90+ Series High Efficiency Cast Iron Gas Boilers

- Insulated extended jacket
- Hot surface ignition system
- Cast iron primary heat exchanger
- Condensing stainless steel secondary heat exchanger
- Unique 7-pass heat exchanger design
- Vents with PVC
- Multiple vent options (direct vent, direct exhaust, concentric)
- Natural gas, easy conversion to propane (kit included)
- 3" Minimum vent size
- Down-fired, counter flow boiler design
- Built-in dual circulator
- Energy Star® rated
- 2-Year warranty on parts; 20-Year warranty on heat exchanger



Part #	Mfg #	Boiler Model	AGA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	Chimney/Vent Size	Approx Ship Wt	Price
143723	382-200-601	GV90+4	105,000	91.2%	97,000	84,000	3"	353 lbs	

## Weil McLain Boilers

### Ultra Series 3 - Condensing High-Efficiency Gas Boilers

- Factory tested
- Cast aluminum block
- 30 psi ASME Relief valve
- Drain valve
- Stainless steel burner with woven steel fiber mesh
- Direct spark ignition
- Variable speed blower assembly
- Gas/air ratio venturi with air silencer
- Negative pressure regulation gas valve
- 50VA Transformer
- Combination T&P gauge
- Outlet and return water temperature sensor
- Flue gas and outdoor temperature sensors
- Energy Star® rated



#### Ultra 3 Series - Natural Gas

Part #	Mfg #	Boiler Model	CSA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	Min Pipe Size	Approx Ship Wt	Price
237963	383-500-732	Ultra 80	80,000	95.2%	71,000	62,000	1"	199 lbs	

#### Ultra 3 Series - Propane Gas

Part #	Mfg #	Boiler Model	CSA Input MBH	AFUE	DOE Heating Capacity MBH	Net I=B=R Rating MBH	Min Pipe Size	Approx Ship Wt	Price
116487	383-500-701	Ultra 80	80,000	95.2%	71,000	62,000	1"	199 lbs	

#### Ultra Gas S4 Gas Boiler

- Cast aluminum coated heat exchanger
- Up to 94% DOE AFUE efficiency
- Designed to operate in low temperature condensing applications
- Outdoor reset and domestic hot water priority
- Modulates with 5:1 turn-down ratio
- High grade stainless steel burner features quiet operation
- U-Control gives you the power for easy set-up and maintenance:
  - Multiple set-up and zone options
  - System sensing recognizes system and outdoor temperatures
  - Temperature management for up to three different set-points
  - Control multiple boilers from a single control panel
  - Standard screen messages provide service alerts and maintenance reminders



Part #	Mfg #	Boiler Model	CSA Input MBH	AFUE	DOE Heating Capacity MBH	Net I=B=R Rating MBH	Vent Size	Price
237964	383-500-733	Ultra 80	80,000	93.5%	71,000	62,000	2" or 3"	
237965	383-500-734	Ultra 105	105,000	94%	94,000	82,000	2" or 3"	
237966	383-500-735	Ultra 155	155,000	94%	139,000	121,000	3"	
237967	383-500-736	Ultra 230	230,000	94.1%	207,000	180,000	3" or 4"	
237968	383-500-737	Ultra 299	299,000	92.5%	270,000	235,000	4"	

## Weil McLain Boilers

### Residential Gas Boilers (Continued)

#### Ultra Gas S4 Gas Boiler

Part #	Mfg #	Boiler Model	CSA Input MBH	AFUE	DOE Heating Capacity MBH	Net I=B=R Rating MBH	Vent Size	Price
237969	383-500-738	Ultra 399	399,000	91.7%	364,000	317,000	4"	

#### CGa Gold Series Gas Boiler

- Compact design saves valuable living space
- Stainless steel burners for quieter ignition, longer life, and improved combustion
- Gas fired water boiler with cast iron sections
- Easily accessible controls, vertical flueways and top cleaning for easy and quick servicing
- Up to 84% AFUE
- C.S.A. design certified for installation on combustibile flooring
- "SPD" for boiler with standing pilot  
"PID" for boiler with electronic ignition system  
"N" for natural gas  
"L" for propane gas



Part #	Mfg #	Boiler Model	AGA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	Chimney/Vent Size	Approx Ship Wt	Price
146734	381-357-802	CGA-3-PIDN	70,000	84.0%	59,000	51,000	4"	200 lbs	
025732	381-357-804	CGA-4-PIDN	105,000	84.0%	88,000	77,000	5"	240 lbs	
113283	381-357-806	CGA-5-PIDN	140,000	83.5%	117,000	102,000	6"	280 lbs	
059815	381-357-808	CGA-6-PIDN	175,000	83.2%	146,000	127,000	6"	325 lbs	
026674	381-357-810	CGA-7-PIDN	210,000	83.0%	175,000	152,000	7"	370 lbs	

#### CGi Gold Series Gas Boiler

- Gas fired water boiler with cast iron sections
- Natural draft and direct exhaust capability
- Can be used with natural or propane gas
- All units are factory-tested
- Compact design saves valuable living space
- No vertical draft hood and no mechanical vent damper
- Intermittent electronic ignition with standard components for easy servicing
- Up to 85% AFUE
- C.S.A. design certified for installation on combustibile flooring
- "PIN" for natural gas  
"PIL" for propane gas



Part #	Mfg #	Boiler Model	AGA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	Chimney/Vent Size	Approx Ship Wt	Price
151641	381-357-858	CGI-3-PIN	60,000	85.1%	51,000	45,000	4"	200 lbs	
151642	381-357-937	CGI-4-PIN	100,000	84.0%	85,000	74,000	5"	240 lbs	
151643	381-357-864	CGI-5-PIN	120,000	83.3%	100,000	87,000	5"	280 lbs	
151644	381-357-866	CGI-6-PIN	167,000	83.3%	140,000	122,000	5"	325 lbs	

## Weil McLain Boilers

### Residential Gas Boilers (Continued)

#### CGi Gold Series Gas Boiler

Part #	Mfg #	Boiler Model	AGA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	Chimney/Vent Size	Approx Ship Wt	Price
151645	381-357-868	CGI-7-PIN	200,000	83.0%	167,000	145,000	5"	370 lbs	
151646	381-357-870	CGI-8-PIN	233,000	82.7%	194,000	169,000	3"		

#### EG Gas Boiler

- Comes with automatic vent damper for higher efficiencies and reduced fuel consumption
- Easy access to controls for convenient servicing
- Configured for Natural Gas, intermittent electronic ignition only
- A versatile gas cast iron boiler for water or steam applications
- Cast iron heat exchanger
- Up to 84% AFUE
- "W" for water  
"S" for steam  
"SPD" for boiler with standing pilot  
"PID" for boiler with intermittent electronic ignition system  
"N" for Natural gas  
"L" for Propane gas



Part #	Mfg #	Boiler Model	AGA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	Chimney/Vent Size	Approx Ship Wt	Price
151628		EG-55-PIDN	200,000	82.8%	167,000	125,000	7"	545 lbs	
151629		EG-65-PIDN	250,000	83.0%	209,000	157,000	7"	630 lbs	
151630		EG-75-PIDN	299,000	82.4%	240,000	180,000	8"	695 lbs	

## Weil McLain Boilers

### Commercial Boilers

#### SlimFit Commercial Condensing Gas Boiler

##### SlimFit 550-750

- 93.9% Thermal Efficiency
- 94% Combustion Efficiency
- CSD-1 Compliant is Standard
- Low NOx Certified
- PVC, CPVC, PP or SS (AL29-4C) materials approved for Direct Vent and Direct Exhaust
- 20% - 100% Modulation



##### SlimFit 1000-2000

- Up to 96.1% Combustion Efficiency
- Up to 95.8% Thermal Efficiency
- 1,000,000 TO 2,000,000 BTU/HR
- Low NOx < 20 PPM
- Modulating Burner with 6:1 Turndown Ratio
- CSD-1 Compliant is Standard
- SOLA-Control Flexibility with 7" LCD Touch Screen
- Fully Customizable Outdoor Reset Curve
- Lead/Lag Capability up to 8 Boilers with lead boiler rotation
- Remote modulation through BAS using Modbus or BACnet
- High limit temperature control with manual reset, fixed 200 degree F
- PVC, CPVC, PP or SS (AL29-4C) materials approved for Direct Vent and Direct Exhaust

Part #	Mfg #	Boiler Model	CSA Input MBH	CSA Gross Output MBH	Net I=B=R Rating MBH	Vent Air Size	Vent Air Length	Price
176267	383-600-330	SF550	550	516	449	6"	100'	
176268	383-600-331	SF750	750	702	610	6" or 8"	30', 100'	
160058	383-600-016	SF1500R	1500	1437	1250	8"	100'	
160059	383-600-017	SF2000R	2000	1906	1657	8"	100'	

## Weil McLain Boilers

### Ultra Commercial Condensing High-Efficiency Gas Boilers with 20 - 100% Modulation

- Factory test report shipped with boiler
- Cast aluminum block
- CSD-1 Comes standard
- Manual reset low water cut-off
- Adjustable manual reset high limit
- Stainless steel burner with woven steel fiber mesh
- Venting with PVC or CPVC up to 100 feet
- Direct vent or direct exhaust capable
- Venturi mixing system with air silencer
- Variable speed motor
- Negative pressure regulation gas valve
- 50VA Transformer
- Integrated drain in vent adapters
- Outlet and inlet water temperature sensors
- Flue gas and outdoor temperature sensors



Part #	Mfg #	Boiler Model	CSA Input MBH	CSA Gross Output MBH	Net I=B=R Rating MBH	I=B=R Thermal Efficiency	Approx Ship Wt	Price
127626	383-600-010	550	550,000	517,000	445,000	93.9	505 lbs	
127627	383-600-011	750	750,000	702,000	605,000	93.6	550 lbs	

### EGH Atmospheric Gas Boilers

- Factory assembled section block
- Insulated extended jacket
- Horizontal to vertical draft hood
- Non-linting pilot burner
- Combination gas valve and regulator
- Aluminized steel burners
- 40VA Transformer
- Built-in Air separator
- Combination pressure-temperature gauge
- Steam boilers include:
  - 15 psi ASME Relief valve
  - High limit pressure control for PI with damper & PI models
  - Low water cut-off (electrode type)
  - Steam pressure gauge
  - Gauge cocks and glass
  - Siphon



#### EGH Atmospheric Gas Boiler - 24 Volt Intermittent Electronic Ignition Model - Natural Gas - Steam

Part #	Mfg #	Boiler Model	CSA Input BTUH	AFUE	DOE Heating Capacity BTUH	Net I=B=R Rating BTUH	AHRI Chimney/Vent Size	Approx Ship Wt	Price
063973	EGH-85-PIN	EGH-85-PIN	315,000	82.34%	243,000	182,000	9" ID	825 lbs	
063976	EGH-105-PIN	EGH-105-PIN	405,000	82.43%	312,000	234,000	10" ID	1,005 lbs	

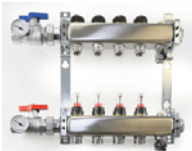


## Uponor (Wirsbo) Heating

### TruFLOW™ Assembled Stainless Manifolds

#### Stainless Steel Manifold Assembly

- Features isolation valves, balancing valves w/ flow meters, supply and return ball valves with temperature gauges, and come fully assembled
- For commercial and residential radiant heating and cooling applications
- Available in 1" and 1-1/4" sizes



Part #	Mfg #	Size	Loops	Price
171998	A2720302	1-1/4"	3	
172123	A2720402	1-1/4"	4	
172476	A2720502	1-1/4"	5	
188930	A2720602	1-1/4"	6	
228374	A2720802	1-1/4"	8	
172475	A2721002	1-1/4"	10	
172504	A2721202	1-1/4"	12	

### TruFLOW™ Assembled Brass Manifolds

Part #	Mfg #	Description	Price
074022	A2610200	2 Loop	
083039	A2610300	3 Loop	
074023	A2610400	4 Loop	
083429	A2610500	5 Loop	

### TruFLOW™ Assembled Without Flow/Temp Meter

- Comes fully assembled ready for installation
- The TruFLOW balancing Hex Key is used on the internal balancing valves of the supply manifold to balance the loops
- Manifold is shipped with the appropriate number of actuator adapters (A2630028)
- Maximum recommended flow to the manifold based on manifold body diameter is 21 gpm



Part #	Mfg #	Description	Price
079647	A2610600	6 Loop	
083428	A2610700	7 Loop	
079648	A2610800	8 Loop	
086861	A2611000	10 Loop	
086863	A2611200	12 Loop	

### TruFLOW™ Brass Manifold Specific Accessories

#### TruFLOW™ Manifold Loop Thermometer

- Comes with R20 (QS-style) female union on one end and an R20 (QS-style) male on the other
- Thermometer well and removable thermometer are included



Use ONLY with Uponor TruFLOW Jr. and Classic Manifolds

Part #	Mfg #	Description	Price
081827	A2610020	TruFLOW Manifold Loop Thermometer	

#### TruFLOW™ Manifold Supply & Return Ball Valves with Thermometer

- Full-flow 1-1/4" ball valves with R32 male x R32 union nut that fits directly on TruFLOW manifold
- Standard with a thermometer



Use ONLY with Uponor TruFLOW Jr. and Classic Manifolds

Part #	Mfg #	Description	Price
084177	A2631250	Ball Valves Supply & Return	

#### TruFLOW™ Classic Manifold Extension Kit

- For easy in-line extension of up to two additional loops for the TruFLOW classic manifold assembly
- Contains (2) 1-1/4" BSP nipples, (1) supply manifold, (1) return manifold and (2) loop end caps



Part #	Mfg #	Description	Price
093249	A2610100	Classic Manifold Ext Kit, 2 Loops	



**Uponor (Wirsbo) Heating**

**Heating Manifolds**

**EP Heating Manifold**

- Includes isolation valve and balancing valve with flow meters
- Made of engineered plastic and fully assembled
- Body ends have R32 unions and loop outlets have R20 male threads
- Mounts on fully assembled bracket (A2670006)



Part #	Mfg #	Loops	Price
120254	A2670201	2	
120255	A2670301	3	
120256	A2670401	4	
120257	A2670501	5	
120258	A2670601	6	
120259	A2670701	7	
120260	A2670801	8	

**EP Heating Manifold Accessories**



Part #	Mfg #	Description	Price
124454	A2671300	Actuator Adapter	

**Brass Manifold Accessories**

**End Cap with Vent**

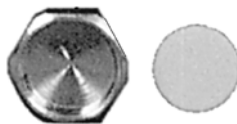
- For 1-1/4" brass manifolds
- Complete with swivel drain valve and manual air vent
- Required gasket included (A2403232)



Part #	Mfg #	Description	Price
011754	A2803250	End Cap with Vent, R32	

**End Cap**

- For 1-1/4" brass manifolds
- Required gasket included



Part #	Mfg #	Description	Price
011753	A2080032	Basic End Cap, R32	

**Brass Manifold Accessories (Continued)**

**End Cap**

Part #	Mfg #	Description	Price
025646	A2080020	Loop End Cap, R20	

**Manifold Accessories for TruFLOW™ and 1-1/4" Brass Manifolds**

**Copper Manifold Adapter**

- Use sweat adapter to transition R32 manifold union nut to 3/4", 1", and 1-1/4" copper pipe, copper fittings and valves



Use with 1-1/4" Brass and TruFLOW Manifolds  
Not compatible with TruFLOW Sr.

Part #	Mfg #	Description	Price
011764	A4143210	R32 x 3/4" or 1"	
011763	A4133210	R32 x 1" or 1-1/4"	

**Manifold Threaded Adapter/Bushing**

- Manifold Adapter for brass manifold transitions the R32 manifold union nut to PEX or MultiCor tubing with QS-style fittings



Use with 1-1/4" Brass and TruFLOW Manifolds  
Not compatible with TruFLOW Sr.

Part #	Mfg #	Description	Price
193883	A2123210	R32 Male x 1" FNPT Bushing	

**ProPEX® Manifold Adapter**

- Use to transition from the R32 manifold union nut to 3/4" and 1" AQUAPEX® and hePEX™plus



Use with 1-1/4" Brass and TruFLOW Manifolds  
Not compatible with TruFLOW Sr.

Part #	Mfg #	Description	Price
045200	Q4143275	R32 x 3/4" Straight Adapter	
045201	Q4143210	R32 x 1" Straight Adapter	
099804	Q4153275	R32 x 3/4" Elbow	
223377	Q4143215	R32 x 1-1/2" Straight Adapter	

## Uponor (Wirsbo) Heating

### Brass Manifold Pressure Test Kit

- Includes
  - R32 x 3/4" Manifold bushing
  - R32 Solid brass plug
  - 3/4" Brass nipple and pressure gauge assembly (100 psi)
  - Schraeder valve



Use with 1-1/4" Brass and TruFLOW Manifolds  
Not compatible with TruFLOW Sr.

Part #	Mfg #	Description	Price
028958	E6122000	Pressure Test Kit	

### Manifold Gasket

- Spare part
- For 1-1/4" manifold and manifold parts
- NOTE: Gaskets are not interchangeable between parts except as noted - to seal properly the correct gasket must be used



Part #	Mfg #	Description	Price
011755	A2403232	End Cap w/Vent Gasket	

### TruFLOW Manifold Actuator Adapter

- M28 brass adapter converts the manifold actuator threads to fit the Uponor Thermal Actuator A3023522
- Use only with the TruFLOW Jr. and Classic Manifolds



Part #	Mfg #	Description	Price
110901	A2630028	Adapter Replacement Part	

### Spacer Ring VA33

- For White Thermal Actuators

Part #	Mfg #	Description	Price
185084	A3019900	For White Thermal Actuators	

### Manifold Wall Cabinet

- Recessed-style
- 2x4 or 2x6 Stud wall



Part #	Mfg #	Description	Price
087014	A2603539	35.5"H x 39"W x 3.5"D	

### Replacement and Spare Parts for Manifolds

Part #	Mfg #	Description	Price
163459	A2620005	Replacement Gasket for R32 Union Connections	

### Manifold Accessories for TruFLOW™ and 1-1/4" Brass Manifolds (Continued)

#### Replacement and Spare Parts for Manifolds

Part #	Mfg #	Description	Price
093251	A2620008	Replacement O-Ring for 1-1/4" BSP Connections	

### Fitting Assemblies

#### QS-Style Fitting Assembly

- Compression fitting assembly with o-ring (sold separately)
- Connects 5/16", 1/2" and 5/8" Uponor hePEX plus and AQUAPEX tubing to all Uponor manifolds and R20 components PEX tubing to Uponor™ manifold outlets R20 components
- Sold as a 3-piece component



This fitting is not compatible with TruFLOW Sr.

Part #	Mfg #	Size	Type	Price
040687	A4020313	5/16"	R20 Thread	
022644	A4020500	1/2"	R20 Thread	
022645	A4020625	5/8"	R20 Thread	

#### ProPEX® Fitting Assembly (PEX to Brass)

- PEX Tubing to the brass manifolds
- Sold as a 2-piece assembly, it includes a ProPEX® insert and swivel nut
- ProPEX® tool and ProPEX® rings required (sold separately)



This fitting is not compatible with the TruFLOW Sr.

Part #	Mfg #	Size	Type	Price
045203	Q4020500	1/2"	R20 Thread	
045204	Q4020625	5/8"	R20 Thread	
087016	Q4020750	3/4"	R20 Thread	
112192	Q4030750	3/4"	R25 Thread	

#### QS Fitting Assembly O-Ring

Part #	Mfg #	Description	Price
025703	A4021116	O-Ring Replacement for R20 Thread	

## Uponor (Wirsbo) Heating

### ProPEX Baseboard Elbow and Tee (PEX x CU)

- Connects 1/2", 5/8", and 3/4" Uponor PEX tubing products to 3/4" copper baseboard
- ProPEX tool is required



Part #	Mfg #	Description	Price
043564	Q4386375	5/8" x 3/4"	

### Tubing Transition Fittings

#### QS-Style Coupling Nipple (Thread x Thread)

- Use coupling nipple (brass) and the appropriate fitting assembly to connect 5/16", 3/8", 1/2", 5/8" or 3/4" tubing together



Part #	Mfg #	Description	Price
022651	A4322020	R20 x R20 Thread	
022655	A4322525	R25 x R25 Thread	

#### QS-Style Conversion Nipple (Thread x NPT)

- The QS-style Conversion Nipple (brass) and the appropriate fitting connect 5/16", 3/8", 1/2", 5/8" or 3/4" Uponor tubing to 1/2", 3/4" and 1" NPT



Part #	Mfg #	Description	Price
022653	A4322075	R25 x 3/4" NPT	

#### QS-Style Copper Adapter (Thread x CU)

- Use R20 or R25 adapter and appropriate QS-style fitting assembly to transition PEX tubing to 1/2" and 3/4" copper pipe



Part #	Mfg #	Description	Price
022657	A4332050	R20 x 1/2"	
022658	A4332075	R20 x 3/4"	

#### QS-Style Copper Fitting Adapter (Thread x Copper)

- Transition Uponor PEX tubing to 1/2" and 3/4" copper fittings



Part #	Mfg #	Description	Price
022660	A4342050	R20 x 1/2"	
022661	A4342075	R20 x 3/4"	

### QS-Style Compression Manifold Fitting Assembly

- Sold as 3-Piece assembly



Part #	Mfg #	Description	Price
033672	A4020375	3/8" R20 Thread	
169119	A4030625	5/8" R25 Thread	
022646	A4020750	3/4" R25 Thread	

### Panels and Plates

#### Quik Trak™ Panel

- The 1/2" plywood panels are attached to an aluminum heat transfer sheet



Use with Uponor 5/16" hePEX plus only

Part #	Mfg #	Description	Price
040685	A5060701	7" x 48"	

#### Quik Trak™ Return Panel

- Designed with a "U" groove to complete tubing turns
- The half-moon grooves are attached to the panels
- Each return panel is shipped with a separate aluminum sheet for installation beneath the panel



Use with Uponor 5/16" hePEX plus only

Part #	Mfg #	Size	Price
040686	A5060702	7" x 48"	

#### Quik Trak™ Joist Trak

- Extruded aluminum heat transfer panels
- Each panel is 4' long x 4" wide
- Comes packaged 20 per box



Part #	Mfg #	Size	Price
066612	A5080500	1/2"	

#### Fast Trak™ Edge Strip

- Ideal over pour installation method for remodel and retrofit applications
- Preformed knobbed mats
- 5/16" PEX tubing



Part #	Mfg #	Description	Price
145575	A5090313	Fast Trak 0.5. 8.3ft <sup>2</sup> /panel	
145576	A5091000	Strip, 65-ft roll	

**Uponor (Wirsbo) Heating**

**ProPEX® Escutcheon's**

- Flared sleeve
- Attractive cover for 1/2" AQUAPEX® tubing and ProPEX connections as they exit the wall



Part #	Mfg #	Description	Price
118898	F5670500	White	
119669	F5650500	Chrome Plated	

**Installation Aids**

**PVC Plastic Bend Support**

- Provides rigid 90° bend for 1/2", 5/8", 3/4" and 1" Uponor PEX exiting a concrete slab



Part #	Mfg #	Size	Price
023227	A5500500	1/2"	
023195	A5500625	5/8"	
023228	A5500750	3/4"	
040374	A5501000	1"	

**Metal Bend Support**

- Zinc-plated
- Provides rigid 90° bend for 1/2", 5/8" and 3/4" nominal PEX tubing products



Part #	Mfg #	Size	Price
027955	A5110500	1/2"	
011777	A5110625	5/8"	
022596	A5110750	3/4"	

**PEX Clip - Plastic**

- Enhanced Uponor PEX clips provide better holding power and can be attached together laterally for tight installations
- PEX Clips are attached under the wood subfloor for joist-heating applications
- Clips prevent tubing from coming in direct contact with subfloor
- Dry wall screws are commonly used to secure the clips to the wood subfloor



Part #	Mfg #	Size	Price
028881	F7051258	1/2" & 5/8"	
137214	F7057500	3/4"	

**Installation Aids (Continued)**

**PEX Clip - Plastic**

Part #	Mfg #	Size	Price
137215	F7051001	1"	
033674	F7060375	3/8" (100/Bx)	

**Fixing Wire**

- 6" Galvanized steel tie used to secure PEX tubing products to wire mesh or rebar
- Use with fixing wire twister or auto fixing wire twister (ratchet style)



Part #	Mfg #	Description	Price
011770	A7031000	Fixing Wire, 1000 per Bundle	

**Ratchet-Style Fixing Wire Twister**

- For use with A7031000 fixing wire



Part #	Mfg #	Description	Price
019018	E6091700	Fixing Wire Twister	

**Fixing Wire Twister**

- For use with A7031000



Part #	Mfg #	Description	Price
011767	E6090005	Fixing Wire Twister	

**Quik Trak™ Sealant**

- 100% Silicone
- Used to adhere tubing in groove and provide good thermal transfer



Part #	Mfg #	Size	Price
040690	E6050010	10.3 fl oz	



**Uponor (Wirsbo) Heating**

**PEX Foam Stapler**

- Ideal solution for securing Uponor PEX and (MLC) tubing to foam board insulation in concrete slab radiant heating and cooling applications



Part #	Mfg #	Description	Price
171329	E6025000	PEX Foam Stapler	

**Foam Staple**

- For use with E6025075 manual stapler
- Plastic foam staple used to secure 1/2", and 5/8" PEX to rigid insulation
- Use part A7015050 for 1" foam and part A7015075 for 1-1/2" or thicker foam



Part #	Mfg #	Size	Price
040682	A7015050	1-1/2"	
033641	A7015075	2-1/2"	

**PEX Foam Staple**

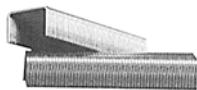
- For use with Uponor PEX foam stapler (E6025000) to secure 3/8", 1/2", and 3/4" PEX or 1/2" and 5/8" MLC tubing



Part #	Mfg #	Description	Price
171328	A7012000	2"	

**Metal Tubing Staple**

- Use 5/8" staple to secure aluminum plates to furring strips or subfloors
- Use 1-1/4" staples in staple-down installations to secure 1/2" and 5/8" Uponor PEX to wood subfloors



Part #	Mfg #	Size	Pkg Qty	Price
143722	A7011250	1-1/4"	10,000/Box	

**PEX Tubing Cutter**



Part #	Mfg #	Description	Price
011750	E6081125	Metal Tube Cutter Cuts to 1" PEX	

**Installation Aids (Continued)**

**PEX Tubing Cutter**

Part #	Mfg #	Description	Price
083129	E6081128	Plastic Tube Cutter Cuts to 1" PEX (3/4")	

**TruFLOW Manifold Balancing Hex Key**

- Use on the supply manifold to adjust the flow rate across the loop for balancing



Part #	Mfg #	Description	Price
081829	A2620002	Replacement Part, Hex Key	

**Tube Uncoiler**

- Facilitates uncoiling of up to 1" PEX tubing
- Simplifies installation and reduces labor
- Weighted arms hold tubing in place while uncoiling
- Eyelet keeps tubing from tangling
- Base is collapsible
- No additional hardware needed to attach arms
- Easy to assemble
- Upon assembly, guide pin must be moved on the swivel guide arm in order to keep it in place



Part #	Mfg #	Description	Price
035147	E6061000	Tube Uncoiler	

**Zoning Controls - Radiant Heating**

**Zone Control Module**

- 4-Zone control module for 2-wire operation



Part #	Mfg #	Description	Price
155032	A3031003	3-Zone 2-Wire Operation	
159894	A3031004	4-Zone, 2-Wire Operation	
074018	A3030009	Replacement Fuse (2 amps)	

## Uponor (Wirsbo) Heating

### Uponor Thermal Actuator

- Slow-opening Thermal Actuator (24VAC) mounts directly onto 1-1/4" brass and TruFLOW valved manifolds
- Provides individual loop flow control on a multi-zoned manifold (manifold serving more than one zone)
- The 4-wire Thermal Actuator includes end switch for activation of relay (pump), heat plant or other auxiliary devices
- Do not mount actuators upside down



Part #	Mfg #	Description	Price
171719	A3023522	4-Wire Thermal Actuator	

### Uponor Set Point Thermostat

- Comfort controllers
- Early start features for recovery from setback
- Override feature for periods of extended absence
- Attractive sleek design



Part #	Mfg #	Description	Price
081433	A3040079	Floor Sensor, Replacement Part	

### Heat-Only Thermostats

- Touchscreen
- Designed for radiant floor heating



Part #	Mfg #	Description	Price
227368	A3100101	Heat-Only Thermostat w/ Touchscreen	
232157	A9010599	Slab Sensor, 10K	

### Pump Relay

- Single-zone relay includes secondary low-voltage terminals for boiler operation
- Three-zone relay includes secondary low-voltage terminals for boiler operation and DHW priority options



Part #	Mfg #	Description	Price
041378	A3080301	24V 3-Zone Multi Pump Relay	
196539	A3010100	24V Single-Zone	

### Powered Zone Controller



Part #	Mfg #	Description	Price
090979	A3080404	4-Zone	

## Uponor (Wirsbo) Heating

### Radiant Heat Tools

#### Foamboard Stapler

- Operate from standing position
- Ergonomic D-grip handle
- Solid 1-piece magazine
- Leaf spring controlled stop automatically adjusts to set up staple and guide it through the fastening mechanism



Part #	Mfg #	Description	Price
101994	FBSN	37" Height	

#### Foamboard Staple

- Extra sharp multi-barbed
- 1-1/2" Staples for 1" foamboard
- 2-1/2" Staples for 2" foamboard



Part #	Mfg #	Description	Price
114593	FBSN1	1-1/2" Staples, 200/Pk	
101995	FBSN2	2-1/2" Staples, 200/Pk	

**Uponor (Wirsbo) Heating**

**Thermostatic Mixing Valves**

**AM-1 Series 3-Way Thermostatic Mixing Valve  
(Union Sweat)**

- *Adjusts, maintains and limits the hot water temperature to a desired setting selected by user*
- *In domestic use, offers scalding protection and bacteria growth control*
- *Dual purpose mixing or diverting*
- *Proportional valve*
- *Nickel-plated brass construction, EPDM o-rings*



Part #	Mfg #	Pipe Size	Operating Temperature	Price
099800	AM-101R-US-1	3/4"	80° - 180°F	
099799	AM-102R-US-1	1"	80° - 180°F	
124499	AM102C-US-1LF	1"	80° - 120°F	



## Watts Heating

### Stainless Steel Manifolds

- Sold in pairs, mounted to metal bracket
- SS-T20 style fittings are compatible with Stainless Steel manifolds

#### 1" Stainless Steel Flow meter Manifold



D380300SS

Part #	Mfg #	Order #	Size	Price
114949	D3803008SS	81001985	M-8	
139848	D3803009SS	81003687	M-9	
139847	D3803012SS	81001987	M-12	

### Manifold Accessories

#### Stainless Steel Manifold ISO BV Accessory Kit

- Includes:
  - (1) Vent and purge assembly
  - (1) Manifold end cap
  - (2) FNPT Trunk isolation ball valves
  - Manifold adapters
  - Neoprene and fiber gaskets
- Order Onix, Crimp or compression fittings separately



Part #	Mfg #	Order #	Size	Price
114165	DK1000	81003736	1"	

### Valve Actuator

- For automatic circuit control
- Optional feature for mounting directly to the balancing manifold
- Incorporates an indicator window that allows you to visually determine whether the valve is fully open or closed
- Provides on/off flow control to individual radiant circuits
- Flow can be balanced prior to installing by turning the adjustment valve under the blue cap
- Actuator is 24VAC with four wires to connect to the thermostat and circulating pump



Part #	Mfg #	Order #	Voltage	Price
127878	PZ656104	81001541	24V	

### PEX Compression Fittings

#### SST20 PEX Compression Fitting

- PEX Compression x SST20 Swivel BSP
- For connecting:
  - PEX to stainless steel manifolds
  - Custom tubular T20 compression manifolds
  - 3/4" Male BSP x male sweat fittings
- Includes:
  - Insert fitting
  - Compression sleeve
  - BSP threaded nut



Part #	Mfg #	Order #	Size	Price
114166	PX690002-10	81005168	1/2" x 3/4"	
117479	PX690003-10	81005170	5/8" x 3/4"	

### Misc. Accessories

#### Foam Staple Box

Part #	Mfg #	Order #	Size	Price
159249	81000825	Foam 2.25 Staple Box		

## Air Purgers

### Air Elimination

#### Air Purger

- Cast iron



Part #	Mfg #	Size	Dimensions H x W x L	Price
002010	443-1	1"	4" x 3" x 6"	
002011	444-1	1-1/4"	4" x 3" x 6"	
002012	445-1	1-1/2"	5" x 4" x 8"	
002013	446-1	2"	5" x 4" x 8"	



## Air Vents

### Air Eliminators Automatic Air Vent



- Brass body with non-ferrous internals
- Maximum operating temperature: 240°F

Part #	Mfg #	Model	Connection	Max Pressure	Price
002435	113001	7	1/8" FNPT	75 psig	
002468	113020	67	1/8" MNPT	35 psig	

## Air Vents

### (Air Eliminators)

#### SuperVent™ Air Eliminator

- Eliminates air from hydronic heating systems without bleeding
- No clog vent, dirt and debris resistant
- 360° Adjustable collar ring
- Bronze body
- Maximum temperature rating: 240°F
- Maximum operating pressure: 125 psi



Part #	Mfg #	Size	Connection	Price
094289	PV075	3/4"	NPT	
094290	PV075S	3/4"	Sweat	
094291	PV100	1"	NPT	
094292	PV100S	1"	Sweat	
094293	PV125	1-1/4"	NPT	
094294	PV125S	1-1/4"	Sweat	
094295	PV150	1-1/2"	NPT	

#### GoldTop Universal Air Vent

- One-fits-all
- Venting rate 3-4 times that of other products
- Residential or commercial heating and cooling systems



Part #	Mfg #	Size	Connection	Price
200909	FV180	3/4"	Male NPT	
200910	FV180A	1/4"	Male NPT	

#### Parts & Accessories

Part #	Mfg #	Description	Price
184623	PV-020-RP	PV SuperVent Vent Top Replacement	

## Air Vents

### Main Steam Vents

#### Model 75/75H Air Valve (Non-Vacuum)

- For medium and large systems
- Float-type thermostatic vent
- Single non-adjustable port
- 1/2" NPT Female and 3/4" NPT male straight shank
- Maximum pressure: 15 psig



Part #	Mfg #	Model	Max Operating Pressure	Price
005417	401434	75	3 psig	

### Radiator Steam Vents

#### Model 1A Air Valve (Non-Vacuum)

- Float-type vent
- Adjustable port for true proportional venting - 6 port settings from slow (1) to fast (6)
- 1/8" NPT Angle connection
- Maximum operating pressure: 1-1/2 psig
- Maximum pressure: 10 psig



Part #	Mfg #	Model	Straight Shank	Price
005398	401422	1A	1/8" NPT Angle	

### Water Vents

#### Model 79 Water Main Vent Valve

- For use on hot or cold or glycol water mains and process applications with specific gravity > 0.7
- Tapped at top for 1/8" NPT safety drain connection
- Removable top
- Built-in check valve
- Maximum operating pressure: 75 psig
- Maximum hydrostatic pressure: 200 psig
- Maximum temperature: 250°F



Part #	Mfg #	Model	Straight Shank	Price
005418	401488	79	1/2" FPT, 3/4" MPT	

### Model 790 Water Vent Valve

- For removing air from convectors, baseboard and wall radiation
- Safety drain connection for discharging moisture
- Fitting and ferrule for 3/16" OD tubing
- Telescopic siphon tube
- Maximum operating pressure: 30 psig
- Maximum pressure: 30 psig



Part #	Mfg #	Model	Straight Shank	Price
005419	401479	790	1/8" NPT	

### Model 791 Water Vent Valve

- For convectors and small frame
- Safety drain connection for discharging moisture
- Fitting and ferrule for 3/16" OD tubing
- Telescopic siphon tube
- Maximum operating pressure: 50 psig
- Maximum pressure: 50 psig



Part #	Mfg #	Model	Straight Shank	Price
005420	401482	791	1/4" NPT	

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## Air Vents & Gauges

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### Radiator Coin Key Air Valve & Key



Part #	Mfg #	Description	Price
082258	R20-002	Key Only	
082257	R20-003	Valve Only	

**Air Vents**

**SPIROTOP®  
Brass Quick Air Releaser**

- 20-Year limited warranty



Part #	Mfg #	Size	Price
017852	VTP 050 FT	1/2" FNPT	

**SPIROVENT® JUNIOR  
Brass Air Eliminators**

- 20-Year limited warranty

**Threaded Design**



Part #	Mfg #	Size	Price
017848	VJR 075-TM	3/4" FNPT with 1/2" Tank	
017849	VJR 100-TM	1" FNPT with 1/2" Tank	
017850	VJR 125-TM	1-1/4" FNPT with 1/2" Tank	
017851	VJR 150-TM	1-1/2" FNPT with 1/2" Tank	
087403	VJR200-TM	2" FNPT with 1/2" Tank	

**Sweat Design**

Part #	Mfg #	Size	Price
089288	VJS 075-TM	3/4" Sweat with 1/2" Tank	
089289	VJS 100-TM	1" Sweat with 1/2" Tank	
089290	VJS 125-TM	1-1/4" Sweat with 1/2" Tank	
179832	VJS 150-TM	1-1/2" Sweat with 1/2" Tank	
179833	VJS 200-TM	2" Sweat with 1/2" Tank	

**Press Fit Design**

Part #	Mfg #	Size	Price
233822	VJP-075TM	3/4" Press	
233823	VJP-100TM	1" Press	
233824	VJP-125TM	1-1/4" Press	
233825	VJP-150TM	1-1/2" Press	
233826	VJP-200TM	2" Press	

**SPIROVENT® SENIOR  
Steel Air Eliminator**

- MT - Male threads



Part #	Mfg #	Size	Price
020540	VSR-200-MT	2" MNPT	
024735	VSR-250-MT	2-1/2" MNPT	
030532	VSR-300-MT	3" MNPT	

**SPIROVENT® Quad  
Steel Hydraulic Separator**

- MT - Male threads
- FA - Flanged ASME

Part #	Mfg #	Size	Price
138420	VDX-200-MT	2" MNPT	

**SPIROTRAP® Dirt Separators  
Brass Dirt Separator**

- Ball valve included
- Patented Spirotube® element



Part #	Mfg #	Pipe Size	Price
082005	TDN-125-FT	1-1/4" IPS	
082006	TDN-150-FT	1-1/2" IPS	

**Air Vents**

**Boiler Feed Air Vents**

**DuoVent Automatic Air Vent with In-Line Testing Feature**

- Maximum temperature: 240°F
- Maximum pressure: 150 psi



Part #	Mfg #	Model	Size	Price
062989	0590719	WADV18	1/8"	

**Automatic Air Vent Valve**

- Body and cover are brass construction
- Air vent with silicone rubber seal
- Impurities do not usually affect function as maximum float line of water is always lower than the valve seal
- Float is high temperature resistant polyethylene
- Suitable for use with glycol systems
- Can be disassembled for inspection and cleaning



Part #	Mfg #	Model	Size	Price
062267	0590715	FV-4M1	1/8"	



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**Air Vents**

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**Air Vents**  
**Press Air Separator**



Part #	Mfg #	Size	Price
223028	78003	3/4"	
223029	78004	1"	
223030	78005	1-1/4"	



## Antifreeze & Other Chemicals

### Harvey Heat Antifreeze



016850



016880



016905

Part #	Mfg #	Description	Price
072358	16750	Harvey Heat -100A, 1 gal	
072361	16760	Harvey Heat -100A, 5 gal	
007733	16850	Harvey Heat -100, 1 gal	
019596	16860	Harvey Heat -100, 5 gal	
021756	16870	Harvey Heat -100, 55 gal	
136190	016880	Harvey Heat RV, 1 gal	
108988	16900	Harvey Heat, Arctic Grade, 55 gal	
069501	016905	Harvey Heat, Arctic Grade, 5 gal	
069500	016910	Harvey Heat, Arctic Grade, 1 gal	

## Antifreeze & Other Chemicals

### Boiler Additives

#### Pro-Tek™ 922 - Hydronic Hot Water Closed-Loop Treatment

- Concentrated corrosion and scale inhibitor treatment specially formulated for hot water, closed-loop heating systems
- Prevents scale and corrosion on aluminum, copper, iron, brass and stainless steel
- Compatible with standard flexible tubing such as PEX and ONIX used in hydronic installations
- Helps control pH & removes oxygen
- Does not contain nitrite
- Non-hazardous



Part #	Mfg #	Size	Price
137022	922-1	1 gal	

#### Pro-Tek® QT Aerosol Hydronic System Treatment

- Concentrated organic corrosion inhibitor treatment specially formulated for closed loop heating cooling systems
- Helps reduce corrosion on aluminum, brass, copper, iron, and stainless steel
- Non-toxic, environmentally friendly



Part #	Mfg #	Size	Price
182853	95593	Kit	

#### RhoGard™ Heat Transfer Fluid

- Aluminum/Stainless Steel safe and multi-metal heat transfer fluid
- Non-toxic, environmentally friendly
- Can be dilute on-site w/ distilled or D.I. water
- Provides freeze protection to < -60°F  
Provides burst protection to -100°F
- Meets and exceeds the corrosion protection requirements of ASTM D1384
- Heating, cooling, and solar system fluid



Part #	Mfg #	Size	Price
181175	RG-05	5 gal	
182834	RG-55	55 gal	

#### RhoGard™ RTU Heat Transfer Fluid

- Premixed ready-to-use (RTU) heat transfer fluid
- Blended with virgin propylene glycol and D.I. Water
- Multi-metal corrosion inhibitors and performance additives
- Protects multiple metals, including aluminum & stainless steel
- Requirements of ASTM D1384
- Meets and exceeds the corrosion protection
- Maximizes system efficiency
- Can be custom blended to any glycol % as needed by customer
- Customized freeze or burst protection
- Environmentally friendly
- Non-Toxic



Part #	Mfg #	Size	Price
226215	RG-RTU-30-05	5 gal	

#### RhoGard™ Ultra Concentrated Antifreeze

- Aluminum safe and multi-metal antifreeze
- Hydronic and solar system fluid
- Freeze and corrosion protection fluid
- Concentrated Propylene Glycol plus multi-metal corrosion inhibitors
- Protects aluminum, cast iron, copper and steel
- Helps keep heat-exchange surfaces clean
- Helps keep efficiency high
- Non-hazardous
- Burst protection to -100°F
- Environmentally friendly
- Prevents corrosion



Part #	Mfg #	Size	Price
137009	RG-ULTRA-5	5 gal	
184831	RG-ULTRA-55	55 Gal Drum	

## Antifreeze & Other Chemicals

### Hydro-Solv™ 9100 Hydronic System Cleaner

- Removes bacteria, scale and corrosion
- Cleans aluminum, brass, copper, iron and steel
- Non-hazardous



Part #	Mfg #	Size	Price
137020	HYDRO-SOLV 9100	1 gal	

### EnviroGard™ Ultra Heat HD Transfer Fluid

- All ingredients are listed by the USDA and FDA as (GRAS) "Generally Recognized as Safe".
- Approved by Department of Natural Resources and Department of Health for use in Geothermal Systems
- Concentrated for maximum economy
- Protects cast iron, copper and steel
- Provides freeze, corrosion and scale protection
- Helps keep heat-exchange surfaces clean
- Helps keep efficiency high
- Non-hazardous and non-toxic
- Burst protection to -100°F
- Environmentally friendly

Part #	Mfg #	Size	Price
137478	ENVIROGARDULTR AHD55	55 gal	

## Antifreeze & Other Chemicals

### Gunk® Boiler Products

#### Rust Raider®

- Protect entire system
- Turns boiler water blue indicating safe conditions
- Water changes color when additional chemical is need



Part #	Mfg #	Size	Price
008855	B5-34	1 gal	
008856	B5-40	5 gal	

## Antifreeze & Other Chemicals

### Boiler Additives

#### Safe Liquid Boiler Stop Leak

- Forms a water insoluble seal
- Safe to use in all boilers
- Contains no petroleum or hazardous components
- Will not sludge or clog
- Will not surge
- Compatible with propylene glycol and ethylene glycol anti-freeze



Part #	Mfg #	Description	Price
010085	STOPLEAK	1 qt Can	

#### Squick Boiler Cleaner/Inhibitor with Anti-Foam Silicone SK-24

- Cleans and protects steam boilers by a patented absorption/precipitation process
- Absorbs grease oil, rust, dissolved and suspended solids
- Prevents formation of insulating scale and crystallizing solids
- Prevents corrosion, protects metal surfaces
- Neutralizes free oxygen
- Prevents foaming, surging or priming
- Maximizes heat transfer
- Safe to use in all boilers - contains no petroleum or hazardous components
- No draining, no blow down required



Part #	Mfg #	Description	Price
010084	SKSQU	5 oz Squick Boiler Cleaner	

#### #5 Hydronic Formula Cleaner/Inhibitor with Silicon SK-24

- Cleans and protects boilers and hydronic systems
- Prevents formulation of insulating scale on heat transfer surfaces
- Keeps dissolved solids in solution
- Frees and lubricates stuck zone valves
- Dissolves insulating sludge on tankless coils
- Prevents corrosion
- Protects and lubricates pump seals and quiets noisy circulators
- Insures maximum heat transfer
- Safe for all boilers - contains no petroleum or hazardous components
- Compatible with both ethylene glycol and propylene glycol antifreeze



Part #	Mfg #	Description	Price
010087	HF-5	1 qt	



## Antifreeze & Other Chemicals

### Anti-Freeze

#### Cryo-Tek™ Original

- Blend of 45% virgin propylene glycol and the triple protection inhibitor package
- Use in systems fabricated with metal, plastics (except CPVC) and rubber piping, fittings, seals, and other parts



### Miscellaneous Chemicals

#### Sizzle® Scale Remover

- Includes saf-t-por spout



Part #	Mfg #	Size	Price
192878	20310	1 Gal	

Part #	Mfg #	Size	Price
161803	35260	5 gal	

#### Cryo-Tek™ 100 Antifreeze

- Contains virgin (not recycled) propylene glycol with triple protection corrosion inhibitor
- Pre-mixed, ready-to-use formulation
- Pink liquid



Part #	Mfg #	Size	Price
144415	35284	5 gal	

#### Cryo-Tek™ AG

- Concentrated "Arctic Grade" anti-freeze solution
- Blue liquid.
- 100% pure virgin propylene glycol/triple protection inhibitor package
- Cryo-Tek can also be used in radiant tube heating systems, most solar heating systems and geothermal loops



Part #	Mfg #	Size	Price
176985	35285	5 gal	



## Antifreeze & Other Chemicals

### Anti-Freeze

#### Alphi-11 Antifreeze Protector

- Protects against corrosion & lime scale
- Combined antifreeze & protector
- Maintains efficiency so extending system life
- Compatible with all metals and materials commonly used in heating systems
- Non-toxic, environmentally friendly
- Protects heating and chilled water



Part #	Mfg #	Description	Price
225281	Alphi-11	5L	

#### Protector Test Kit

- Up to 25 tests per kit



Part #	Mfg #	Description	Price
177755	F-57897	Up to 25 Tests per Kit	

#### HVAC System Protector F1

- Central Heating Protector for mixed metal commercial and HVAC heating and cooling systems
- Renders water non-corrosive to steel, cast iron, copper, brass and aluminum
- Prevents lime scale build-up
- Maintains efficiency so extending system life
- Prevents bacterial contamination
- Compatible with all metals and materials commonly used in heating and cooling systems
- Non-toxic, environmentally friendly
- One 2.6 gallon bottle treats 500 gallons of water and one 55 gallon bottle treats 10000 gallons of water



Part #	Mfg #	Description	Price
178132	F-59700	2.6 Gallons	
177750	F-59900	Express Can	

### HVAC System Cleaner F3

- Neutral universal cleaner for pre-commissioning new systems in accordance with BS7593:2006
- Removes sludge, limescale and other debris to restore heating efficiency of existing systems
- When used in conjunction with Protector F1 gas savings of up to 15% can be achieved every time you heat your room
- Compatible with all metals and materials commonly used in heating systems
- Easy to use, system can be left running normally during cleaning
- Suitable for use with all known power flushing machines
- pH Neutral, non-hazardous formula (COSHH rated zero)



Part #	Mfg #	Description	Price
178131	F-59701	500 ML	

### Cleaner F5

- Quick, convenient and simple to use – doses in 30 seconds
- Added via a radiator adapter or filling loop supplied
- 100% recyclable can
- Compatible with all metals and materials including aluminum
- Removes sludge and scale and restores heating efficiency
- Removes flux residues and other debris
- pH Neutral, non-hazardous and environmentally formulation



Part #	Mfg #	Description	Price
177752	F-59902	100 ML Express Can	

### Express Boiler Commissioning Kit

- Treats up to 26 gallons



Part #	Mfg #	Description	Price
177754	F-62089	Treats up to 26 Gallons	



**Aquastats**

**Aquastats®**

**L4006A Immersion Type Aquastat Control**



- Immersion type controllers for limiting or regulating temperatures of liquids in boilers or tanks
- SPST - Breaks circuit on temperature rise
- Visible control point scale and external adjustment screw permit easy setting
- Horizontal or vertical insertion of the sensing element
- Remote bulb model may be used to sense air temperature in ducts and in outside air sensing applications
- Includes: 3" insulation, Stop Factory-Set @240°F, Well Adapter & Heat-Conductive Compound

Part #	Mfg #	Temperature Operating Range	Temperature Differential, Mid scale	Price
006728	L4006A1678	100°-240°F	5°-30°F Adj	

**L4006B Immersion Type Aquastat Control**



- Immersion type controllers for limiting or regulating temperatures of liquids in boilers or tanks
- SPST Contacts make on temperature rise
- Includes: 3" Insulation, Stop Factory-Set @240°F, Well Adapter & Heat-Conductive Compound

Part #	Mfg #	Temperature Operating Range	Temperature Differential, Mid scale	Price
022280	L4006B1155	100° - 240°F	5° - 30°F Adj	

**L4006E Immersion Type Aquastat Control**



- High limit, manual reset
- Contacts break on temp rise
- Immersion type controllers for limiting or regulating temperatures of liquids in boilers or tanks
- Totally enclosed MicroSwitch™ snap-acting switches operate on temperature rise to set point
- Visible control point scale and external adjustment screw permit easy setting
- Horizontal or vertical insertion of the sensing element
- Includes: 3" Insulation, Well Adapter & Heat-Conductive Compound

Part #	Mfg #	Temperature Operating Range	Temperature Differential, Mid scale	Price
006729	L4006E1067	130° - 270°F	250°F	

**Aquastats**

**L6006A Immersion High or Low Limit Aquastat Control, SPDT**

- Remote bulb model may be used to sense air temperature in ducts and outside air sensing applications
- Totally enclosed MicroSwitch<sup>®</sup> snap-acting switch
- Visible control point scale and external adjustment screw permit easy setting
- Horizontal or vertical insertion of the sensing element
- Direct or well immersion of the sensing element
- Select models have wells
- Stop Factory-Set @ 240°F, Heat-Conductive Compound



Part #	Mfg #	Temperature Operating Range	Temperature Differential, Mid scale	Price
006740	L6006A1145	100° - 240°F	Stop Factory-Set @ 240°F, Heat-Conductive Compound	

**L6006C Strap-On Mount High or Low Circulator Control, SPDT**

- Remote bulb model may be used to sense air temperature in ducts and outside air sensing applications
- Totally enclosed MicroSwitch<sup>™</sup> snap-acting switch operates on temperature rise
- Visible control point scale and external adjustment screw permit easy setting
- Horizontal or vertical insertion of the sensing element
- Select models have wells



Part #	Mfg #	Temperature Operating Range	Includes:	Price
006741	L6006C1018	65° - 200°F	Stop Factory-Set @ 200°F	

**Aquastat<sup>®</sup> Relays**

**L8148 Aquastat<sup>®</sup> Relay**

- Immersion-type controllers that combine high limit protection with switching relay control of burner and circulator motors
- High limit opens burner circuit only
- Includes transformer and accessory terminals for adding a remote low limit controller
- Requires 24VAC thermostat with heat anticipator set at 0.2 amps
- Includes well adapter and heat-conductive compound
- Mounts horizontally or vertically
- Maximum Bulb: 40° over selected set point up to 265°F
- Maximum Ambient: 150° including zone valves with low voltage loads up to 1.2 amps



Part #	Mfg #	Description	Price
093128	L8148E1265	Line Voltage, 180° - 240°F High Limit, 4-1/2" Capillary, Vertical Mount	
006743	L8148J1009	Millivolt or Low Voltage, 120° - 240°F High Limit, 4-1/2" Capillary, Vertical/Horizontal Mount	

**Aquastats**

**Aquastat® Controllers**

**L8100 Aquastat® Controller**

- Immersion type controller for regulating and limiting tank temperature in water heaters
- Provides energy cutoff (ECO) action on temperature rise past set point
- Includes second sensing element to sense average water temperature to minimize stacking
- Internal adjustment screw
- Operating temperature range: 100° to 180°F



Part #	Mfg #	Description	Price
150551	L8100B1037	SPST, Contacts Break on Temperature Rise, 42" Capillary	

**Accessories**

**Heat Conductive Compound**

Part #	Mfg #	Description	Price
076507	107408	4 oz Heat Conductive Compound	
179645	120650U	1/2 oz Heat Conductive Grease	

**Well Assemblies**



Part #	Mfg #	Description	Price
006831	121371A	3/8" x 3" Bulb Size, Copper 1/2" NPT, 1-1/2" Insulation, 3" Insertion Well with Mounting Clamp	
006832	121371B	3/8" x 3" Bulb Size, Copper 3/4" NPT, 1-1/2" Insulation, 3" Insertion Well with Mounting Clamp	

**Thermometers**

**Thermometer with Thermowell**

- Thermowell included to allow thermometer to be removed without draining the system
- Steel case, brass well



Part #	Mfg #	Connection	Dial	Temperature Range	Price
095933	GT162	1/2" NPT	2-1/2" Diameter	32° - 250°F	

## Baseboard Radiation

### Therma Trim Hydronic Baseboards

#### Therma Trim Baseboard Enclosure

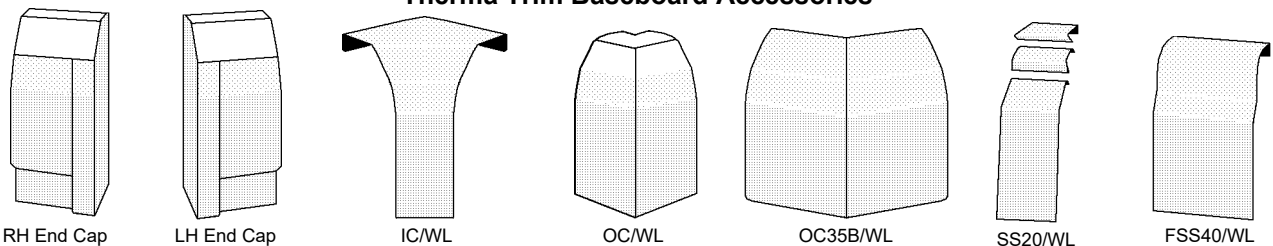


Part #	Mfg #	Description	Price
135109	611-111-005	2' Baseboard Enclosure with 3/4" Element	
135112	611-111-010	3' Baseboard Enclosure with 3/4" Element	
135113	611-111-015	4' Baseboard Enclosure with 3/4" Element	
135114	611-111-020	5' Baseboard Enclosure with 3/4" Element	
135115	611-111-025	6' Baseboard Enclosure with 3/4" Element	
135116	611-111-030	7' Baseboard Enclosure with 3/4" Element	
135117	611-111-035	8' Baseboard Enclosure with 3/4" Element	
135126	611-311-075	2' Baseboard Enclosure	
135127	611-311-080	3' Baseboard Enclosure	
135128	611-311-085	4' Baseboard Enclosure	
135129	611-311-090	5' Baseboard Enclosure	
135130	611-311-095	6' Baseboard Enclosure	
135131	611-311-100	7' Baseboard Enclosure	
135132	611-311-105	8' Baseboard Enclosure	

### Therma Trim Baseboard Heating Element

Part #	Mfg #	Description	Price
135118	611-211-040	2' Baseboard 3/4" Heating Element	
135119	611-211-045	3' Baseboard 3/4" Heating Element	
135120	611-211-050	4' Baseboard 3/4" Heating Element	
135122	611-211-055	5' Baseboard 3/4" Heating Element	
135123	611-211-060	6' Baseboard 3/4" Heating Element	
135124	611-211-065	7' Baseboard 3/4" Heating Element	
135125	611-211-070	8' Baseboard 3/4" Heating Element	

### Therma Trim Baseboard Accessories



Part #	Mfg #	Description	Price
135135	611-411-145	4" Baseboard LH End Cap w/Hinge	
135136	611-411-150	4" Baseboard RH End Cap w/Hinge	
135137	611-411-155	2" Baseboard LH End Cap	
135138	611-411-160	2" Baseboard RH End Cap	
135139	611-411-185	2" Baseboard Full Front Splice	
135140	611-411-190	90° Inside Corner	
135141	611-411-195	90° Outside Corner	
135142	611-411-205	135° Outside Bay Corner	
135143	611-411-210	135° Inside Bay Corner	
135144	611-411-225	Support Bracket with Pivot	

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## Baseboard Radiation

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### Therma Trim Hydronic Baseboards (Continued)

#### Therma Trim Baseboard Accessories

Part #	Mfg #	Description	Price
047845	611-490-226	Baseboard Supply Tube Hanger	

**Boiler & Zone Controls**

**Commercial Remote Temperature Controls**

**T775 Electronic Remote Temperature Controller**

- Includes platinum sensor
- Set point range: -40° to 248°F
- Differential temperature: 1° to 150°F
- Heat or cool
- 24/120/240VAC, 50/60Hz



Part #	Mfg #	Control Mode	Temp Inputs	Relay Outputs	Notes	Price
141882	T775P2003	SPDT	3	4	50021579-001 (Three)	
190396	T775L2007/U	SPDT	2	4	Stage Sequencer w/ Reset	

**Pressuretrol® Pressure Controllers**

**PA404A Pressuretrol® Controller**

- Provides control for steam pressure
- Sensitive pressure-actuated diaphragm expands or contracts with pressure variations moving lever mechanism operating snap-switch
- SPST Snap-acting switch
- Differential: 1 to 5 psi
- Safety control for steam heating boilers, breaks an electrical circuit to shut down burner if steam pressure rises above safe level
- Makes at set point on pressure fall, breaks at set point plus differential on pressure rise



Part #	Mfg #	Description	Price
006744	PA404A1033	SPST, 0.5 to 9.0 psi	

**PA404B Pressuretrol® Controller**

- Provides control for steam pressure
- Sensitive pressure-actuated diaphragm expands or contracts with pressure variations moving lever mechanism operating snap-switch
- SPST Snap-acting switch
- Used with suspension-type unit heaters to make the fan circuit when a pressure rise indicates the presence of steam
- Breaks at setpoint on pressure fall, makes at setpoint plus differential on pressure rise



Part #	Mfg #	Description	Price
042522	PA404B1023	Pressuretrol Controller, SPST, 0.5 to 9.0 psi, 1 to 5 psi Differential	

**Boiler & Zone Controls**

**Aquatrol® Boiler Controls**

**AQ254 Aquatrol® Add-A-Temperature Expansion Control Panel**

- Used in conjunction with an AQ250, AQ25A, AQ251 or AQ252 control panels
- Provides one additional loop temperature control capability for the AQ2000 control panel it is connected to and expands the total network capacity by up to (16) zones when used with AQ255 and/or AQ257 zoning panels



Part #	Mfg #	Description	Price
134582	AQ25400B	Add-a-Temperature Expansion Control Panel	

**AQ255/AQ257 Aquatrol® Expansion Zoning Panel**

- For zoning with pumps or zone valves
- Easily switch from zone valves to pumps with same zoning module - just flip one DIP switch
- Ensures correct voltage is applied to all zone equipment on a panel (120VAC for pumps, 24VAC for valves)
- Works with AQ1000 2-wire communicating thermostats and most digital thermostats and AQ2000 boiler control panels
- Can be combined with additional expansion zoning panels and an AQ2000 control panel for a total of (16) space heating zones



Part #	Mfg #	Description	Price
134583	AQ25542B	Aquatrol Zoning Panel for (4) Zones of Pumps less End Switches	

**Parts & Accessories**

**Programmable Timers, Clock Type**

- Switching: 1 spdt
- Universal application with 24-hour or 7-day programming
- Battery backup (quartz drive)
- Screw wiring terminals
- Three-way override
- Captive trippers



Part #	Mfg #	Description	Price
149677	ST6008B1005	Programmable Timers, Clock Type Universal Application 7-Day	



## Boiler & Zone Controls

### Zone Controls

#### Zone Circulator Switching Relay

- Universal replaceability and thermostat compatibility
- Indicator lights
- Snap-in PC board to existing enclosure
- Fully enclosed snap-out relay
- UL Approved

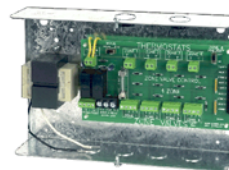
1-Zone



Part #	Mfg #	Number of Zones	Maximum Voltage (Input)	Maximum Combined Load	Enclosure Dimensions H x W x D	Price
088487	SR501-2	1	120VAC	5A	5-1/4" x 4-1/4" x 2-3/4"	
095583	SR502	2 with Priority	120VAC	15A	6-3/4" x 10-1/4" x 2-3/4"	
068767	SR503	3 with Priority	120VAC	15A	6-3/4" x 10-1/4" x 2-3/4"	
068768	SR504	4 with Priority	120VAC	20A	6-3/4" x 10-1/4" x 2-3/4"	
095584	SR506	6 with Priority	120VAC	20A	7-1/2" x 11-3/4" x 3"	

#### Zone Valve Control

- All zone valve controls are relay type DPDT and have single phase motor rating per zone of 1/7 hp (SA) @ 120VAC
- (-EXP) expandable power port



ZVC404



ZVC406

Part #	Mfg #	Number of Zones	Transformer Voltage (Input)	Max Output At 24 VAC	Enclosure Dimensions H x W x D	Price
095585	ZVC403-2	3 with Priority	120VAC	40 VA	6-3/4" x 10-1/4" x 2-3/4"	
095587	ZVC404-2	4 with Priority	120VAC	40 VA	6-3/4" x 10-1/4" x 2-3/4"	
166151	ZVC404-EXP	4 with Priority	120VAC	40VA	6-3/4" x 10-1/4" x 2-3/4"	
095588	ZVC405-3	5 with Priority	120VAC	80 VA	7-1/2" x 11-3/4" x 3"	
095590	ZVC406-3	6 with Priority	120VAC	80 VA	7-1/2" x 11-3/4" x 3"	



**Boiler & Zone Controls**

**Single-Stage Low Voltage Thermostats**

**Universal Single-Stage Mechanical Replacement Thermostat**

- Mercury free
- 24V Replacement for hundreds of White-Rodgers and competitive models installed during the past 50-years
- Same footprint as older models with updated styling
- Enclosed contacts for increased reliability and accuracy
- Heat/cool with heating or cooling 3-wire zone mounting plate included
- Packaging is bilingual (English/Spanish)
- 5-Year warranty



Part #	Mfg #	System	Applications	Style	Color	Terminals	Price
145434	1F56N-444	1 Heat/1 Cool	24V, mV, 3wZn	Horizontal	White	RC,RH,W,Y,G,O,B,A	

**Snap Disc Controls**

**3F05 / 3L05 Series Adjustable Snap Disc Fan & Limit Controls**

- ¼" quick connect terminals are standard.
- Reduces inventory while providing coverage for a wide range of temperature applications.
- Replaces the majority of fixed disc thermostats now on heating equipment and various appliances.
- 2 adjustable fan control models replace 7 fixed snap disc models.
- 5 adjustable limit control models replace 10 fixed snap disc models.



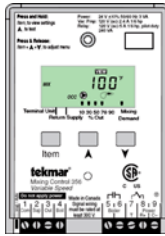
Part #	Mfg #	Temperature Range	Differential	Switch Action	Function	Price
153005	WR3F051	90 to 130°F	20°F	SPST	Fan Controls	
153003	WR3L051	135 to 175°F	40°F	SPST	Limit Controls	
222881	WR3L052	175 to 215°F	40°F	SPST	Limit Controls	

## Boiler & Zone Controls

### Heating Controls

#### 356 Mixing Control

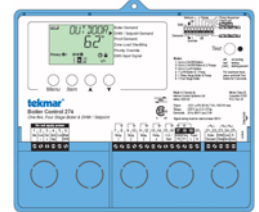
- Microprocessor-based (PID) outdoor reset control
- Designed to operate a permanent capacitor, impedance protected or equivalent pump at varying speeds
- Provides for boiler minimum protection and operation
- 120VAC Rated relay outputs



Part #	Mfg #	Description	Price
047999	356	Variable Speed Reset Controller w/Sensors	

### 274 Boiler Control

- Microprocessor PID control
- One tN4, four stage boiler & DHW/setpoint control
- Can provide outdoor reset, domestic hot water and setpoint operation with priority
- Not a safety (limit) control
- Indoor use only
- Operates up to four on/off boilers

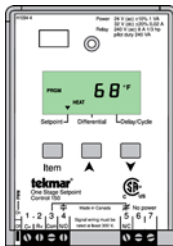


Part #	Mfg #	Description	Price
127773	274	Boiler Control (1) tN4, 4-Stage Boiler & DHW/Setpoint	

### Thermostats

#### Setpoint Controls

- Microprocessor based control
- Extremely accurate +/- 0.5°F
- Wide temperature ranges
- Remote sensing up to 500 feet
- Large load relay capacity
- Low power consumption



Part #	Mfg #	Description	Price
030576	150	1-Stage Setpoint Control	

### Snow Melting Controls

#### Automatic Snow Melting Control

- Automatic snow/ice detection
- Warm weather cut-off
- Cold weather cut-off
- Accurate slab temperature control
- Slab outdoor reset



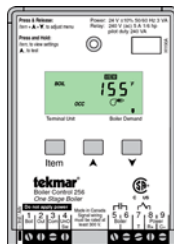
090/091

Part #	Mfg #	Description	Price
020296	090	Snow/Ice Sensor	
020298	091	Snow/Ice Sensor Socket	

### Boiler/DHW Controls

#### 256 Boiler Control

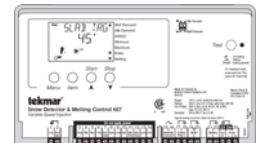
- Microprocessor-based (PID) control
- Regulates supply water temperature from a single boiler based on outdoor temperature
- Includes:
  - Warm weather shut down (WWSD)
  - Minimum boiler setting
  - Liquid crystal display (LCD)



Part #	Mfg #	Description	Price
047998	256	1-Stage Boiler Control	

### 667 Snow Detector & Melting Control

- Variable speed injection
- When combined with 090 snow/ice sensor provides automatic snow/ice detection
- Operates a variable speed injection pump to provide several protection and control features
- Microprocess PID control
- Not a safety (limit) control



Part #	Mfg #	Description	Price
065840	667	Snow Detector & Melting Control	

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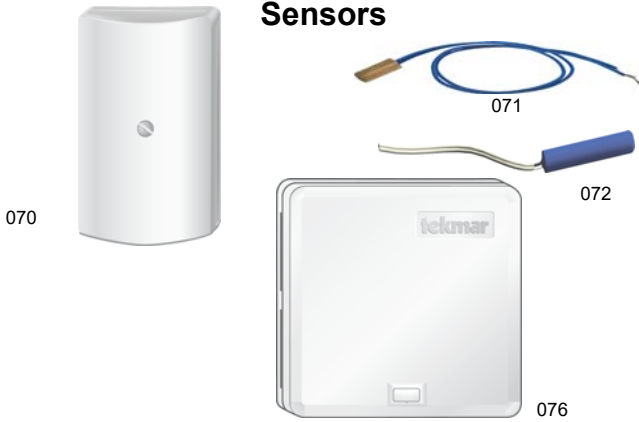
## Boiler & Zone Controls

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### Sensors



Part #	Mfg #	Description	Price
065350	070	Outdoor Sensor	
037312	071	Universal Sensor w/12" 2-Cond Wire	
044387	072	Slab Sensor w/PVC Sleeve & 20' 2-Cond Wire	
044864	076	Indoor Sensor, Surface Mount	

**Boiler Accessories**

**Hose End Valves**

**74-CL Multi-Turn Boiler Drain**

- *Buna-N seat*
- *125 psi to 100°F*
- *Max temp: 180°F*
- *Screw-in bonnet*



Part #	Mfg #	Size	Price
168326	N64N008	1/2"	
168327	N64N006	3/4"	

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## Boiler Drains

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### Boiler Drains

#### BD Series Brass Boiler Drain Shut-Off

- 3/4" Hose thread connection on outlet
- Brass body construction
- Cast iron hand wheel
- Maximum pressure: 200 psi
- Maximum temperature: 180°F



Part #	Mfg #	Model	Size	Pattern	Price
013030	0820901	BD1C	1/2" Dual Conn	Angle	
014608	0820902	BD2C	3/4" MNPT	Angle	

#### BT Series 1/4-Turn Boiler Drain Shut-Off

- 3/4" Hose thread connection on outlet
- Brass body construction
- Tee handle with positive shutoff
- Adjustable Teflon® stem packing
- Maximum pressure: 200 psi



Part #	Mfg #	Model	Size	Price
053099	0820955	BD-QT	1/2" Dual Pattern, MIP or Solder	
053100	0820956	BD-QT	3/4" MNPT	

## Boiler Accessories

### Boiler Drains

#### Quarter-Turn Boiler Drain

- CSA certified for Canadian plumbing applications.
- End connections comply with  
-ANSI / ASME B1.20.1 (MNPT)
- Manufactured in an ISO accredited facility
- Forged brass construction



Part #	Mfg #	Size	Price
195163	R-670	1/2"	
195571	R-670	3/4"	

#### Lead Free Boiler Drain

- Certified to ANSI / NSF Standard 61-G
- End connections comply with  
ANSI / ASME B1.20.1 (FNPT)  
ANSI / ASME B1.20.7 (Male Garden)



Part #	Mfg #	Size	Price
191910	T-522	1/2" FNPT	
191911	T-522	3/4" FNPT	

## Circulator Pumps

### UP Circulator Pumps - Closed Systems

- Wet rotor, single-stage, direct drive centrifugal pumps designed for domestic and light commercial applications
- Built-in motor protection
- Quiet, maintenance-free performance
- Flushed bearing design
- 60Hz
- Maximum working pressure: 145 psi
- Minimum fluid temperature: 36°F (unless noted)
- 2-Pole motor, single-phase
- 3-Year warranty

#### UP 15-42F Brute II® Cast Iron Circulator Pump

- Cast iron construction
- For residential and light commercial applications
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 17 gpm
- Head range: 0 to 15'
- 1/2 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
004957	UP1542F	0.74A	115V	10µF/180V	

#### UPS 15-58FC/FRC (3-Speed Motor) SuperBrute Cast Iron Circulator Pump

- Fits most standard hydronic applications
- Cast iron construction
- Includes removable check valve
- Flange - (2) 1/2" diameter bolt holes
- Flow range: 0 to 17 gpm
- Head range: 0 to 19.5'
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 230°F
- 1/25 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
076106	UPS1558FC	0.55-0.75A	115V	10µF/180V	
118361	UPS1558FRC	*0.55-.075A	115V	10µF/180V	

\* Reversing

### UP 26-64F Cast Iron Circulator Pump

- Cast iron construction
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 32 gpm
- Head range: 0 to 24.5'
- 1/12 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
004960	UP2664F	1.7A	115V	8µF/180V	

Less Flanges

### UPS 26-99FC (3-Speed Motor) SuperBrute Cast Iron Circulator Pump

- Cast iron construction
- Includes removable check valve
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 33 gpm
- Head range: 0 to 29'
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 230°F
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
098645	UPS2699FC	1.3-1.8A	115V	20µF/180V	
106130	UPS2699FC	1.3-1.8A	230V	20µF/180V	

### UPS Series 3-Speed Motor Circulator Pump with IFC

- Stainless steel construction
- Includes removable check valve
- Includes 2 gaskets (O-rings)
- Whisper-quiet operation
- Flanged: 1/2", 3/4", 1", 1-1/4"
- Flow range: 0 to 33 gpm
- Head range: 0 to 29'
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 230°F
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
185595	UPS2699SFC	1.3-1.8A	115V	20µF/180V	



## Circulator Pumps

### UP 26-99F Cast Iron Circulator Pump

- Cast iron construction
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 34 gpm
- Head range: 0 to 32'
- Minimum liquid temperature: 32°F
- Maximum liquid temperature: 230°F
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
004963	UP2699F	2.15A	115V	10µF/380V	
004962	UP2699F	2.15A	115V	10µF/380V Less Flanges	
059847	UP2699F	1.07A	230V	2.5µF/180V	

### UP 26-116F Cast Iron Circulator Pump

- Cast iron construction
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 37 gpm
- Head range: 0 to 37'
- Minimum liquid temperature: 32°F
- Maximum liquid temperature: 150°F
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
079629	UP26116F	1.75A	230V	2.5µF/380V	

### UPS 43-44FC (3-Speed Motor) SuperBrute Cast Iron Circulator Pump

- Cast iron construction
- For applications requiring higher head
- Includes removable check valve
- 2-Pole, single-phase
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 63 gpm
- Head range: 0 to 14'
- Minimum liquid temperature: 32°F
- Maximum liquid temperature: 230°F
- Maximum system pressure: 145 psi
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
098646	UPS4344FC	1.4-1.8A	115V	20µF/180V	

### UP 43-75F Cast Iron Circulator Pump

- Cast iron construction
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 41 gpm
- Head range: 0 to 25'
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
004964	UP4375F	2.15A	115V	10µF/180V	

### UPS 26-150F (3-Speed Motor) SuperBrute Cast Iron Circulator Pump

- Cast iron construction
- Flow range: 0 to 53 gpm
- Head range: 0 to 46'
- Flange: (2) 1/2" diameter bolt holes
- 2-Pole, single-phase
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 230°F
- Maximum system pressure: 145 psi
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
130966	UPS26150F	2.5-3.5A	115V	40µF/180V	

### UPS 43-100F (3-Speed Motor) SuperBrute Cast Iron Circulator Pump

- Flow range: 0 to 65 gpm
- Head range: 0 to 31'
- Flange: (2) 1/2" diameter bolt holes
- 2-Pole, single-phase
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 230°F
- Maximum system pressure: 145 psi
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
130968	UPS43100F	3.5A	115V	40µF/180V	



## Circulator Pumps

### Series UP Comfort Recirculation Pump

#### UP 10-16B5 Hot Water Recirculation Pump

- Specifically designed for heating systems
- Flow range: 0 to 3.5 gpm
- Head range: 1 to 5.4'
- Minimum fluid temperature: 36°F
- Maximum fluid temperature: 203°F
- Maximum working pressure: 145 psi
- Features:
  - LC = Line cord
  - TLC - Timer and line cord
  - ATLC = Aquastat, timer, line cord
  - BU ATLC = Aquastat, timer, line cord, check valve and isolation valve



Part #	Mfg #	Connection	Price
057808	UP1016BU/AT LC	1-1/4" Union	

### Comfort PM Auto Hot Water Recirculation Pump

- 115V, Auto, check valve
- 1-1/4" NPSM union
- 6' line cord included
- Easy installation
- Minimize water waste
- Lower energy consumption
- Learns and adapts to homeowner's water temp needs



Part #	Mfg #	Connection	Price
171389	UP1016APMB U/LC	1-1/4" NPSM Union	

### UP Comfort Series Recirculation Kit

- Includes:
  - (1) Pump
  - (1) Valve
  - (2) 1/2" FNPS x 1/2" FNPS x 12" Stainless steel flex hoses



Part #	Mfg #	Description	Price
061116	595916	Recirculation Kit	

### UP Circulator Pumps - Open Systems

- Wet rotor, single-stage, direct drive centrifugal pumps designed for domestic & light commercial applications
- For open systems 140°F is maximum recommended fluid temp to avoid precipitation of calcium in water
- Built-in motor protection
- Quiet, maintenance-free performance
- Flushed bearing design
- 60Hz
- 2-Pole, single-phase

#### UP 15-10B5 Circulator Pump

- Brass, lead-free housing
- 115V, 0.22A, 25W, 1/25 hp
- Capacitor: 2µF/400V



Part #	Mfg #	Connection	Price
039691	UP1510B5	1/2" Sweat	
040255	UP1510B7	3/4" Sweat	

#### UP 15-42B5 Bronze Circulator Pump

- Bronze construction
- 1/2" Sweat connection
- UP15-42B5 Includes line cord
- LC/TLC Models have 6'3" power cord
- 1/25 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
023051	UP1542B5	0.74A	115V	10µF/180V	

#### UPS 15-55SFC (3-Speed Motor) SuperBrute Stainless Circulator Pump

- Stainless construction
- Flange: (2) 1/2" diameter bolt holes
- Includes removable check valve
- Flow rate: 0 to 25 gpm
- Head range: 0 to 18'
- 2-Pole, single-phase
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 230°F
- Maximum system pressure: 145 psi
- 0.12 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
110243	UPS1555SFC	.53-.75A	115V	10µF/180V	

## Circulator Pumps

### UP 26-96BF Bronze Circulator Pump

- Bronze construction
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 28 gpm
- Head range: 0 to 30'
- 1/12 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
004961	UP2696BF	1.7A	115V	110µF/180V	

### UPS 26-99BFC (3-Speed Motor) SuperBrute Bronze Circulator Pump

- Bronze construction
- Flange: (2) 1/2" diameter bolt holes
- Includes removable check valve
- Flow range: 0 to 33 gpm
- Head range: 0 to 29'
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 230°F
- Maximum system temperature: 145 psi
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
109851	UPS2699BFC	1.3-1.8A	115V	20µF/180V	

### UPS 26-150F Superbrute Circulator Pump

- Cast iron construction
- 3-Speed
- Ceramic shaft and radial bearings
- Carbon axial bearing
- Stainless steel rotor can and bearing plate
- Corrosion-resistant impeller, composite, PES
- Cast iron pump housing



Part #	Mfg #	Amps	Volts	Capacitor	Price
130967	UPS26150F	3.5A	230V	40 µF/180 V	

### UPS 43-100F Superbrute Circulator Pump

- Ceramic shaft and radial bearings
- Carbon axial bearing
- Stainless steel rotor can and bearing plate
- Corrosion-resistant impeller, composite, PES
- Cast iron pump housing.



Part #	Mfg #	Amps	Volts	Capacitor	Price
130969	UPS43100F	1.2-1.7A	230V	10 µF/400 V	

### UP 26-116BF Bronze Circulator Pump

- Cast iron construction
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 37 gpm
- Head range: 0 to 37'
- Minimum liquid temperature: 32°F
- Maximum liquid temperature: 150°F
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
099263	UP26116BF	1.75A	115V	2.5µF/380V	

### UP 15-29SF Stainless Circulator Pump

- Stainless steel construction
- Flange pipe connection
- Flow range: 0 to 20.5 gpm
- Head range: 0 to 9.7'
- Maximum fluid temperature: 230°F
- 0.12 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
109850	UP1529SF	0.75A	115V	10µF/180V	

### UP 15-29SU Stainless Circulator Pump

- Stainless steel construction
- 1/4" Union pipe connection
- Flow range: 0 to 20.5 gpm
- Head range: 0 to 9.7'
- Maximum fluid temperature: 230°F
- T Suffix: timer
- LC Suffix: 6', 3-prong line cord
- 0.12 hp

Part #	Mfg #	Amps	Volts	Capacitor	Price
114552	UP1529 SUC/TLC	0.75A	115V	10µF/180V	

## Circulator Pumps

### UPS 15-35SFC (3-Speed Motor) Super Brute Stainless Circulator Pump

- Stainless steel construction
- Flange pipe connection
- Capacitor: 10µF/180V
- Flow range: 0 to 21.5 gpm
- Head range: 0 to 12'
- 2-Pole, single-phase
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 165°F
- Maximum system pressure: 145 psi
- Removable check valve
- 1/3 hp



Part #	Mfg #	Amps	Volts	Price
110113	UPS1535SFC	0.06-0.95A	115V	

### UP 43-75BF Bronze Circulator Pump

- Bronze construction
- Flange: (2) 1/2" diameter bolt holes
- Flow range: 0 to 41 gpm
- Head range: 0 to 25'
- 1/6 hp



Part #	Mfg #	Amps	Volts	Capacitor	Price
026604	UP4375BF	2.15A	115V	10µF/180V	

### Comfort Hot Water Recirculation Solutions - Retrofit

- Stainless steel construction
- No return line required
- Installs in less than one hour
- No electricity needed under sink
- Uses less energy than 25-watt light bulb
- Can save up to 16,000 gallons of water per year
- Flow range: 0 to 6.3 gpm
- Head range: 0 to 5.1'
- Minimum liquid temperature: 36°F
- Maximum liquid temperature: 150°F
- Maximum system pressure: 145 psi



Part #	Mfg #	Description	Price
061115	595926	Comfort Valve	

### ALPHA™ Energy-Efficient Circulator Pumps

- AUTOAdapt™ measures system changes automatically and maximizes energy savings
- LED Display shows flow indication and power consumption
- Plugs connections; no wiring required
- Motor: 1X115V
- 115V, 0.65A, 5 to 45W, 1/16 hp
- Flow range: 0 to 21 gpm
- Head range: 0 to 19'
- Maximum working pressure: 150 psi
- Minimum fluid temperature: 36°F
- Maximum fluid temperature: 230°F



ALPHA 15-55F



ALPHA 15-55SF

#### Closed System

- Cast iron construction

Part #	Mfg #	Connection	Price
233306	1555FC	GF 15/26 Flange & Line Cord, (2) 1/2" Diameter Bolt Holes	
125022	1555FC	GF 15/26 Flange & Line Cord, (2) 1/2" Diameter Bolt Holes	

### Alpha2 High Efficiency Circulator

- Can be programmed in one of 3-constant speed, 3-constant pressure, or AUTOADAPT control modes
- Large LED display
- For installation, you have the flexibility to use either our unique ALPHA Plug with line cord or the ALPHA2 with terminal box for conduit connections
- ALPHA2 is complete with an integrated check-valve, foam insulation jacket, and nut captures for flanges
- Comes in both cast iron and stainless steel models
- Robust startup enables the ALPHA2 to continuously attempt to restart – indefinitely – in blocked rotor conditions
- Motor: 1 x 115V
- Flow, Q: 21 gpm max
- Head, H: 19 FT max
- Max working pressure: 150 PSI
- Liquid Temp: 36°F to 230°F
- Watts: 5-45W
- Amps: 0.65A
- Approvals: ETL, NSF 61, NSF 372



Part #	Mfg #	Amps	Volts	Capacitor	Price
233298	GR1555SFC2			Stainless Flange w/ Terminal Box	

## Circulator Pumps

### VersaFlo® Circulator Pumps

#### VersaFlo® UPS32 - Cast Iron - 3-Speed

- Flanges: 2-Bolt with (2) 1/2" diameter hole
- Flow range: 9 to 78 gpm
- Head range: 1 to 46'
- Maximum working pressure: 145 psi
- Maximum fluid temperature: 140°F



Part #	Mfg #	Motor Poles	HP	Volts	Price
048821	UPS3280/2	2-Pole	1/2	115V	

#### VersaFlo® UPS50 - Cast Iron - 3-Speed

- Flanges: 2", 4-bolt with (4) 9/16" diameter holes (non-ANSI)
- Flow range: 20 to 180 gpm
- Head range: 1 to 62'
- Maximum working pressure: 145 psi
- Maximum fluid temperature: 140°F



Part #	Mfg #	Motor Poles	HP	Volts	Price
031312	UPS5080/4	2-Pole	3/4	115V	

## Circulator Pumps

### Flange Sets

#### Flange Set for Stainless Steel Body Union Mount Pumps

UP15-18SU - UP15-42SU - UP25-64SU

Bronze Half Union Set



Part #	Mfg #	Description	Price
058001	529913	1/2" Sweat Half Union	
058000	529911	3/4" Sweat Half Union	

#### Flanges for Stainless Steel or Bronze Body Flange Mount Pumps

- For use with UM15-18SF, UP15-42SF, UP25-64SF, UP26-96BF, UP26-99BF, & UP43-75BF pumps

Bronze Threaded Valve Set



Part #	Mfg #	Description	Price
004999	519651	3/4" Threaded	
005000	519652	1" Threaded	
034876	539615	1-1/2" Threaded for UP43-75BF	

#### Flange for Cast Iron Body Flange Mount Pumps

- Includes:
  - (2) Flanges
  - (2) Gaskets
  - (8) Nuts and bolts

Cast Iron Threaded Flange Set



Part #	Mfg #	Description	Price
004995	519601	3/4" Threaded	
004996	519602	1" Threaded	
004997	519603	1-1/4" Threaded	
004998	519604	1-1/2" Threaded	
005005	539605	1-1/2" Threaded for UP43-75F	
084839	96409354	2" Threaded	

### Timer Control

- 24-Hour programmable clock/timer
- For use with single speed, series UP circulators



Part #	Mfg #	Description	Price
091576	59-9388	115V Timer Control	

### Grundfos® Parts

Part #	Mfg #	Description	Price
051161	GR510231	Full Faced Bolt Hole Style Flange/Gasket	
084284	510179	Gasket F/ UP/UPS/TP Flange Donut	
090178	530244	Gasket for 1-1/2" Flange	
045258	595444	3/4" Clip-On Aquastat Control	
046089	595443	Thermostatic Control, 1/2" Clip-On Mount for 5/8" OD System Piping Size	



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## Circulator Pumps

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### Circulating Pumps

#### Bell & Gossett Wet Rotor Circulating Pump

- Cast Iron
- 115V



Part #	Mfg #	Description	Price
023992	NRF-22	Single Phase, 3 Speed	

## Circulator Pumps

### Grundfos Pumps

- 1/6 hp Recirculator pump with cast iron pump housing
- Built-in motor protection
- Stainless steel construction



Part #	Mfg #	Description	Price
139024	G2-116F	230V	



## Flow Valves

### Flo-Check Valves

- *Used in forced hot water heating system to prevent gravity circulation during periods when boiler is hot but space heating zone not wanted*
- *Maximum operating pressure: 125 psi*
- *Maximum operating temperature: 277°F*
- *Media: water or water/glycol*



Part #	Mfg #	Size	Body	Type	Conn Inlet	Conn Outlet	Resistance in Feet of Pipe Equivalent	Price
103903	220	1"	Cast Iron	Universal	NPT	NPT	83.7/6.7	
103904	221	1-1/4"	Cast Iron	Universal	NPT	NPT	47.8/17	
103905	222	1-1/2"	Cast Iron	Universal	NPT	NPT	57.9/23.5	



## Heat Exchangers

### Heat Exchangers ( Brazed Plate Heat Exchanger )



- Single wall copper brazed
- High heat transfer coefficient
- Small size with high heat transfer capacity
- Cost efficient
- Stainless steel 1-1/8" solder
- Easily installed

Part #	Mfg #	Size	Connection	Price
122451	LA14-20	7.5" x 3" x 2.29"	3/4"	
122452	LB31-30X	12" x 5" x 3.19"	1"	

## Heat Exchangers

### Heat Exchangers

#### Braze Plate Heat Exchanger

- *Made of high quality acid-resistant stainless steel with 99.9% pure copper brazing*
- *Compact, lightweight, and designed for a variety of applications including radiant heating, snow melt systems and domestic hot water*
- *Counter flow design resulting high turbulence and maximum heat transfer*

Part #	Mfg #	Input BTUH	Flow Rate	Boiler Pressure Drop PSI	Water @ 90 Temp Rise	Water Pressure Drop PSI	Rated 1st Hour	Price
041811	WMBP1-14E	40,000	1.7 gpm	0.2 psi	0.8 gpm	0.0 psi	86	

## Isolation Flanges

### The Isolator® Uni-Flange Ball Valves

#### The Isolator® Uni-Flange Ball Valve (IPS x Flange)

- Full port forged brass ball valve
- Adjustable packing gland
- Bonus wing style T-handle
- Nuts and bolts
- HV Suffix = fits high velocity pumps



Part #	Mfg #	Size	WOG	Price
145019	40402	1/2"	600	
143756	40403	3/4"	600	
143760	40404	1"	600	
146935	40404HV	1"	600	
143761	40405	1-1/4"	600	
146936	40405HV	1-1/4"	600	
143762	40406	1-1/2"	600	
146937	40406HV	1-1/2"	600	
143763	40407HV	2"	600	

#### The Isolator® Uni-Flange Ball Valve (Swt x Flange)

- Full port forged brass ball valve
- Adjustable packing gland
- Bonus wing style T-handle
- Nuts and bolts
- HV Suffix = fits high velocity pumps



Part #	Mfg #	Size	WOG	Price
145020	50402	1/2"	600	
143768	50403	3/4"	600	
146938	50404HV	1"	600	
146939	50405HV	1-1/4"	600	
143771	50406	1-1/2"	600	
146940	50406HV	1-1/2"	600	
143773	50407HV	2"	600	

### The Isolator® Uni-Flange Ball Valve with Rotating Flange (IPS x Rotating Flange)

- Full port forged brass ball valve
- Detachable rotating flange
- Adjustable packing gland
- Bonus wing style T-handle
- Nuts and bolts
- HV Suffix = fits high velocity pumps



Part #	Mfg #	Size	WOG	Price
143764	41403	3/4"	600	
143765	41404	1"	600	
146928	41404HV	1"	600	
143766	41405	1-1/4"	600	
146929	41405HV	1-1/4"	600	
146930	41406HV	1-1/2"	600	
168543	41407WHV	2"	600	

### The Isolator® Uni-Flange Ball Valve with Rotating Flange (Swt x Rotating Flange)

- Full port forged brass ball valve
- Detachable rotating flange
- Adjustable packing gland
- Bonus wing style T-handle
- Nuts and bolts
- HV Suffix = fits high velocity pumps



Part #	Mfg #	Size	WOG	Price
143774	51403	3/4"	600	
143775	51404	1"	600	
146931	51404HV	1"	600	
143776	51405	1-1/4"	600	
146932	51405HV	1-1/4"	600	
143777	51406	1-1/2"	600	
146934	51406HV	1-1/2"	600	

## Isolation Flanges

### The Isolator® Uni-Flange Ball Valve with Drain and Rotating Flange (IPS x Rotating Flange)

- Full port forged brass ball valve
- Detachable rotating flange
- Multi-function hi-flow hose drain
- Adjustable packing gland
- Nuts and bolts
- HV Suffix = fits high velocity pumps



Part #	Mfg #	Size	WOG	Price
143778	41413	3/4"	600	
143779	41414	1"	600	
146941	41414HV	1"	600	
143780	41415	1-1/4"	600	
146942	41415HV	1-1/4"	600	
143781	41416	1-1/2"	600	
146943	41416HV	1-1/2"	600	

### The Isolator® Uni-Flange Ball Valve with Drain and Rotating Flange (Swt x Rotating Flange)

- Full port forged brass ball valve
- Detachable rotating flange
- Multi-function hi-flow hose drain
- Adjustable packing gland
- Nuts and bolts
- HV Suffix = fits high velocity pumps



Part #	Mfg #	Size	WOG	Price
143782	51413	3/4"	600	
143783	51414	1"	600	
146944	51414HV	1"	600	
143784	51415	1-1/4"	600	
146945	51415HV	1-1/4"	600	
143785	51416	1-1/2"	600	
146946	51416HV	1-1/2"	600	

### The Isolator® Uni-Flange Ball Valve with Detachable Rotating Flange (Press x Rotating Flange)

- Full port forged brass ball valve
- Detachable rotating flange
- Adjustable packing gland
- Nuts and bolts
- HV Suffix = fits high velocity pumps



Part #	Mfg #	Size	WOG	Price
158127	81403HV	3/4"		
158128	81404HV	1"		
158129	81405HV	1-1/4"		
158130	81406HV	1-1/2"		

### Mini Ball Valves

#### 4079M Series Mini Ball Valve

- Hex body
- 110 WOG non-shock
- Chrome plated extruded brass



Part #	Mfg #	Size	WOG	Price
239062	40792	3/8" MIP x FIP	110	

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## Isolation Flanges

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### Isolation Pump Flanges

#### IPF Series Isolation Pump Flange

- Isolate circulator pumps to facilitate circulator pump replacement or repairs
- Brass body and flange with bottom loaded blowout proof stem, chrome plated ball and double o-ring stem seal
- Pressure rated at 600 psi WOG



Part #	Mfg #	Model	Size	Price
076650	0068090	IPFM1-T	3/4"	
076651	0068091	IPFM1-T	1"	
076652	0068092	IPFM1-T	1-1/4"	
076657	0068095	IPFM1-S	3/4"	
076658	0068096	IPFM1-S	1"	
082649	0068097	IPFM1-S	1-1/4"	
120420	0068098	IPFM1-S	1-1/2"	

## Low Water Cut-Offs & Feeders

### Combination Water Feeder/Low Water Cut-Offs

#### 47-2 Combination Mechanical Water Feeder/Low Water Cut-Offs

- *For steam and hot water boilers with cold water feed*
- *Continuous maintenance of minimum safe water level, independent of electrical service*
- *Proportional feed action*
- *Quick hook-up fittings provided*
- *Maximum water supply pressure: 150 psi*
- *Maximum inlet water temperature: 120°F*
- *Maximum boiler pressure: 25 psi*



Part #	Mfg #	Model #	Description	Price
007122	132800	47-2	No 2 Switch	

## Low Water Cut-Offs & Feeders

### Low Water Cut-Offs

#### Safgard™ LWCO for Steam Boilers

- No moving parts to wear or stick
- Time delay prevents short cycling
- SV Models include the shorter model EL-1214-SV probe suitable for mounting in standard reducing tees



Part #	Mfg #	Description	Price
097318	500-SV	24V, Manual Reset, Test Button	
097319	550-SV	120V, Manual Reset, Test Button	

### Pressure Pal Hydronic Mini System Feeder

- 6 Gallon
- For feeding and pressurizing closed hydronic systems that do not require cold static fill pressures higher than 25 psig
- 115VAC outlet
- Compatible with water and glycol/water solutions



Part #	Mfg #	Description	Price
111328	MF200	6 Gal, 115 V	

#### Safgard™ Direct Boiler Mounting LWCO with Primary Cut-Offs

- Burner circuit contacts open after 15 second delay in low water condition
- Automatically restarts burner 30 second after water reaches probe
- For residential & commercial boilers to 15 psi
- SV Models include the shorter model EL-1214-SV probe suitable for mounting in standard reducing tees



Part #	Mfg #	Description	Price
097320	400-SV	24VAC, 2VA, SPDT 15 psi	

### Feeders

#### Automatic Water Feeders for Steam Boilers

- Delay before feed: 2 minutes
- Feed setting: LWCO
- Maximum steam pressure: 15 psi
- Maximum water supply pressure: 150 psi
- Maximum amp draw: 5A (24VAC), 2A (120VAC)



Part #	Mfg #	Description	Price
030223	VXT-24	1 gpm, 24V	

**Low Water Cut-Offs & Feeders**

**Boiler Feed Water Backflow Preventers**

**Combination Backflow Preventer (9D) and Fill Valve (1156F) for Hot Water Boilers - 1/2"**

- *Used on boiler feed lines to provide make up water to the boiler and prevent backflow when supply pressure falls below system pressure*
- *High capacity fast fill and purge capability*
- *Maximum pressure: 100 psi*
- *Maximum temperature: 212°F*
- *Suffix Options:*
  - 911 = NPT x NPT Connections



Part #	Mfg #	Model	Description	Price
041894	0386460	911M3	1156F+9D Combo	



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## Low Water Cut-Offs & Feeders

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### Pigtails

#### Pigtail Syphon

- For use with gauges on steam line
- 1/4" MPT x 1/4" MPT
- Steel construction

G60-000



G60-001

Part #	Mfg #	Description	Price
091486	G60-000	1/4" Straight	
091487	G60-001	1/4" 90° Angle	



## Pressure Reducing Valves

### Pressure Reducing Valves

- Fast fill feature
- Low inlet pressure check valve
- Convenient cleanable strainer
- Maximum operating temperature: 225°F
- Maximum operating pressure: 125 psig



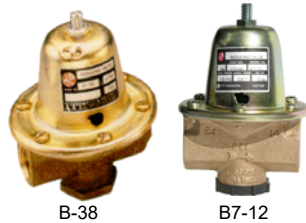
#### Combination "Dual Units" Pressure Relief and Reducing Valve

- Relief valve pressure setting: 30 psi
- 1/2" NPT Boiler connection
- Brass/iron body construction

Part #	Mfg #	Model	Components - Relief Plus	Price
002470	110199	8	B-38	

### Pressure Reducing Valve

- Brass body construction
- Pressure factory set to 12 psig
- Adjustable range: 10 - 25 psig



Part #	Mfg #	Model	Connection	Price
002402	110190	B-38	1/2" NPT	
002403	110196	B7-12	3/4" NPT	

## Pressure Reducing Valves

### Boiler Feed Water Pressure Regulators

#### High Capacity Feed Water Pressure Regulator

- Iron and bronze body
- Tight seating check valve
- Purge lever for manual purging
- Stainless steel strainer
- Maximum pressure: 100 psi
- Provides make-up water to the system in the event of system leaks
- For use in commercial and residential hydronic heating systems to fill the boiler and piping system with water, and to maintain water pressure in the system at all times



Part #	Mfg #	Model	Inlet Size	Connection	Price
036375	0386425	1156F	1/2"	Threaded	

#### BD1156F Feed Water Pressure Regulators

- High capacity
- Dial indicator
- Bronze valve body
- Tight seating check valve
- Push button fast fill with auto-stop
- Stainless steel strainer to protect valve disc from fouling



Part #	Mfg #	Model	Inlet Size	Connection	Price
238385	0386456	BD1156F	3/4"	Threaded	

#### LFN55BM1-U Water Pressure Regulator

- Double union inlet & outlet connections
- Integral stainless steel strainer
- Thermoplastic seat
- Lead Free\* brass body construction
- Serviceable in line
- Bypass feature controls thermal expansion pressure\*\*\*
- Sealed spring cage on all models for accessible outdoor or pit installations



Part #	Mfg #	Model	Size	Price
180454	0009589	LFN55M1-U	3/4"	
180453	0009639	LFN55M1-U	1"	

#### LFU5B-Z3 Water Pressure Regulator

- Union inlet connection
- Integral stainless steel strainer
- Replaceable seat module
- Lead Free\* cast copper silicon alloy construction
- Serviceable in line
- Bypass feature controls thermal expansion pressure\*\*\*
- High temperature resistant reinforced diaphragm for hot water
- Standard construction includes Z3 sealed spring cage and stainless steel corrosion resistant adjusting & cage screws for accessible outdoor or pit installations



Part #	Mfg #	Model	Size	Price
157252	0009100	LFU5B-Z3	1/2"	
156599	0009118	LFU5B-Z3	3/4"	
157250	0009154	LFU5B-Z3	1"	
157253	0009180	LFU5B-Z3	1-1/4"	
158149	0009204	LFU5B-Z3	2"	
157256	0009108	LFU5B-LP-Z3	1/2"	

#### LF25AUB-Z3 Water Pressure Regulator

- Union inlet connection
- Integral stainless steel strainer
- Replaceable seat module
- Lead Free\* cast copper silicon alloy construction
- Serviceable in line
- Bypass feature controls thermal expansion pressure\*\*\*
- High temperature resistant reinforced diaphragm for hot water
- Standard construction includes Z3 sealed spring cage and stainless steel corrosion resistant adjusting & cage screws for accessible outdoor or pit installations
- (Spring -LP model only)



Part #	Mfg #	Model	Size	Price
158193	0009217	LF25AUB-Z3	1/2"	
156645	0009257	LF25AUB-Z3	3/4"	
156601	0009128	LF25AUB-LP-Z3	3/4"	
163080	0009309	LF25AUB-Z3	1"	
159642	0009431	LF25AUB-Z3	1-1/2"	
159058	0009465	LF25AUB-Z3	2"	

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## Pressure Reducing Valves

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### LF26A Small Pressure Regulator 2-Way

- *Rugged forged Lead Free\**  
*Brass body*
- *Tee handle adjustment*
- *Oversized orifice*



Part #	Mfg #	Model	Size	Price
157268	0009811	LF26A	1/4"	
157269	0009815	LF26A	3/8"	
157270	0009819	LF26A	1/2"	

**Radiator Traps & Valves**

**Radiator Valves**

**Brass Steam Radiator Globe Valve**

- Angled with ground joint union nut and tailpiece
- 60 psi/15 WSP



Part #	Mfg #	Size	Price
148415	11534	1" IPS	
148416	11535	1-1/4" IPS	

**Brass Hot Water Radiator Globe Valve**

- Angled with ground joint union nut and tailpiece
- 60 psi



Part #	Mfg #	Size	Price
143811	11553	3/4" IPS	
143813	11554	1" IPS	
143814	11555	1-1/4" IPS	
143816	11556	1-1/2" IPS	

**Water Heater Accessories**

**The Isolator E X P E2 Tankless Water Heater Service Valve Kit**

- Residential pressure relief valve (150 PSI/200,000 BTU)
- IPS Union x Press
- 250 CWP
- ISO 9001
- Hot & Cold set of full port forged brass ball valves with Hi-flow hose drains, pressure relief valve outlet & Adjustable packing gland



Part #	Mfg #	Size	Price
182466	84443WPR-LF	3/4"	

**Radiator Traps & Valves**

**PRO-PAL® Series Valves**

**PRO-PAL® Expansion Tank Pro Service Valve™**  
(FIP x MIP x FIP x Hose)

- Full port forged brass ball valve with hi-flow hose drain



Part #	Mfg #	Size	WOG	Price
143788	41672	1/2"	600	

**Radiator Traps & Valves**

**Radiator Steam Traps**

**Series 17C Balanced Pressure BearTrap®  
Thermostatic Steam Trap**

- *For institutional, commercial, and residential heating system applications where low or moderate water hammer may occur*
- *Subcooling*
- *Replaceable Dura-Stat® module*
- *Stainless steel components*
- *Resistant to moderate water hammer and chemical attack*
- *Maximum operating pressure: 25 psig*
- *3-Year warranty*



Part #	Mfg #	NPT Size	Description	Price
005399	401536	1/2"	Angle	

**Radiator Traps & Valves**

**Hydronics - Steam Valves**

**RA Series Steam Radiator Valve  
(FNPT x MNPT Union)**

- Teflon® stem packing



**RA-1-AP Angle - Bronze Body**

Part #	Mfg #	Model	Size	Price
036349	0067450	RA1AP	1/2"	
036350	0067451	RA1AP	3/4"	
036353	0067453	RA1AP	1-1/4"	
036354	0067454	RA1AP	1-1/2"	

**Bronze Union Radiator Elbows**

- For use in steam and hot water systems
- Maximum working pressure: 60 psi (non-shock) for hot water, 15 psi (non-shock) for saturated steam



Part #	Mfg #	Model	Size	Price
072758	0067460	UL-1	1/2" FIP x M Union	
031791	0067461	UL-1	3/4" FIP x M Union	





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## Spiralink Couplings

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### Spiralink® Couplers

Part #	Mfg #	Description	Price
010269	10010	Spiralink Coupler	

## Thermal Expansion Tanks

### Thermal Expansion Tanks

#### Therm-X-Trol® ASME Diaphragm Thermal Expansion Tank

- For use with potable water heaters only
- Non-ASME
- Pre-pressurized, diaphragm type
- Drawn steel domes, welded steel construction
- Rigid polypropylene liner
- Butyl diaphragm, diaphragm hoop ring mechanically grooved for permanent air-tight seal
- Stainless steel system connection
- Maximum operating system: 200°F
- Maximum working pressure: 150 psig
- Factory pre-charge: 40 psig
- 5-Year limited warranty



#### Therm-X-Trol® ASME Diaphragm In-Line Thermal Expansion Tank

Part #	Mfg #	Dia	Height	Volume	Price
024594	ST-5-C	10"	10-3/8"	2.1 gal	
028941	ST-12-C	12"	13-3/8"	6.4 gal	

#### Therm-X-Trol® ASME Diaphragm Vertical Stand Thermal Expansion Tank

- Stainless steel system connection
- Maximum operating temperature: 200°F
- Factor pre-charge: 55 psig

Part #	Mfg #	Dia	Height	Volume	Price
029837	ST-20V-C	12"	19"	8.0 gal	
029838	ST-30V-C	16"	19"	14.0 gal	
029839	ST-42V-C	16"	24"	18.0 gal	
029840	ST-60V-C	16-1/4"	34"	25.0 gal	
113382	ST-70V-C	16"	45"	34.0 gal	
030098	ST-80V-C	24"	37"	53.0 gal	

#### Extrol Thermal Expansion Tank

- For use with closed hydronic heating and cooling systems
- Both space and energy saving
- Butyl/EPDM diaphragm
- Air separation design eliminates absorption of system air



Part #	Mfg #	Dia	Height	Volume	Price
002008	15	8"	12-5/8"	2.0 gal	

### Thermal Expansion Tanks (Continued)

#### Extrol Thermal Expansion Tank

Part #	Mfg #	Dia	Height	Volume	Price
002009	30	11"	15-1/2"	4.4 gal	
002016	60	11"	23"	7.6 gal	
021243	90	15-3/8"	21"	14.0 gal	

### Standard Expansion Tanks

#### Extrol® Vertical AX Series Expansion Tank

- Carbon steel shell construction with red oxide primer
- Diaphragm design
- Factory pre-charge: 12 psig
- Operating temperature: 240°F



Part #	Mfg #	Dia	Length	Volume	Price
052098	AX15V	12"	20"	8.0 gal	
048739	AX40V	16"	30"	21.7 gal	

#### SX Extrol® Vertical Boiler System Expansion Tank

- Factory pre-charge: 12 psig
- Maximum working pressure: 100 psig
- Maximum operating temperature: 240°F



Part #	Mfg #	Dia	Height	Volume	Price
001999	SX-30V	15"	25"	14.0 gal	
002000	SX-40V	15"	32"	20.0 gal	
002001	SX-60V	15"	48"	32.0 gal	
024728	SX-90V	22"	36"	44.0 gal	
101641	SX-160V	26"	47"	86.0 gal	

## Thermal Expansion Tanks

### Special Application Expansion Tanks

#### Radiant Extrol® Expansion Tank

- For high-efficiency radiant systems
- Plastic liner is compatible with barrier and non-barrier tubing
- Suitable for use in glycol applications
- Non-ferrous system connection for corrosion resistance
- Factory pre-charged: 12 psig
- Maximum working pressure: 100 psig
- Maximum operating temperature: 200°F

Part #	Mfg #	Dia	Height	Volume	Price
090481	RX-15	8"	13"	2.0 gal	
090482	RX-30	11"	16"	4.4 gal	
090483	RX-60	15"	19"	10.3 gal	

#### FT Fill-Trol® System Expansion Tank

- Eliminates the need for a separate, automatic fill valve
- Tank pressure controls system fill
- Factory pre-charged: 12 psig
- Fully adjustable up to a maximum working pressure of 100 psig
- Air purger not included



Part #	Mfg #	Dia	Height	Volume	Price
002002	109	8"	13"	2.0 gal	
002004	110	11"	16"	4.4 gal	

#### Fill-Trol® Expansion Tank Valve

Part #	Mfg #	Air Purger	Price
002003	109-15	Fill-Trol® Valve	

## Water Gauges & Sight Glasses

### Water Gauges

#### 20 Series Standard Pattern Bronze Water Gauge - Standard Gauge

- Use for all types of liquid level verification
- EPDM Gauge glass gaskets standard
- Equipped with (2) copper guard rods
- Standard 1/4" needle drain valve in lower arm
- CRN Registered
- Rated: 125 psig @ 350°F, 300 psig @ 100°F



Part #	Mfg #	Pipe Size	Glass OD/Length	Wheel Type	Price
003018	20-104-00	1/2"	5/8" x 12"	Aluminum	

#### 20-200 Series Heavy Pattern Bronze Water Gauge-Standard Gauge

- Heavy valve body pattern for higher service ratings
- Rated 200 psig @ 400°F, 400 psig @ 100°F subject to pressure/temperature ratings of gauge glass



Part #	Mfg #	Pipe Size	Glass OD/Length	Wheel Type	Price
003019	20-204-00	1/2"	5/8" x 12"	Aluminum	

### Water Gauge Components

#### Regular Gauge Glass

Part #	Mfg #	Size	Price
004899	9858R08	5/8" x 8"	
004892	9858R12	5/8" x 12"	
004897	9858R30	5/8" x 30"	



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## Water Gauges & Sight Glasses

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### Gauge Glasses & Accessories

#### Gray Cut Gauge Glass Gasket

- Synthetic rubber



Part #	Mfg #	Size	Price
006253	881	9/16" x 13/16" x 5/16"	

**Water Gauges & Sight Glasses**

**TruFLOW™ Classic Specific Accessories**

- Use Uponor Silicone Oil (A2620007 - sold separately) on male threads to ease installation

**TruFLOW™ Visual Flow Meter**

- Can be used on TruFLOW Jr. and TruFLOW Classic manifolds to accurately measure the flow of hydronic radiant loops



Part #	Mfg #	Description	Price
113670	A2640027	0.25 To 2.0 gpm	

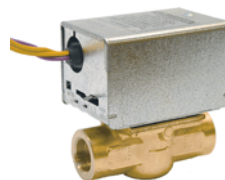
**Zone Valves**

**Hydronic Motorized Zone Valves**

**V8043/V8044 Low Voltage Hydronic Zone Valves**

**2-Position Normally Closed Straight-Through Valve with End Switch**

- For controlling flow of hot and cold water, valve closes when de-energized
- Manual opener included
- With 18" wire leads and auxiliary switch
- Voltage: 24V, 50/60Hz



Part #	Mfg #	Pipe Size	Capacity	Max Close-Off Pressure	End Switch	Electrical Connections	Price
006823	V8043E1012	3/4" Swt	3.5 Cv	20 psi	SPST	18" Leads	
006824	V8043E1061	3/4" Swt	8 Cv	8 psi	SPST	18" Leads	
006825	V8043E1079	1" Swt	8 Cv	8 psi	SPST	18" Leads	
081700	V8043E1145	3/4" NPT	3.5 Cv	20 psi	SPST	18" Leads	

**2-Position Normally Closed Straight-Through Motorized Valve**

- For controlling flow of hot and cold water
- With end switch, screw terminals and manual opener
- Terminal board with (5) terminals
- Maximum ambient temperature: 125°F
- Electrical connections: screw terminal block
- Voltage: 24V, 50/60Hz



Part #	Mfg #	Pipe Size	Capacity	Max Close-Off Pressure	End Switch	Type	Price
006826	V8043F1036/U	3/4" Swt	3.5 Cv	20 psi	SPST	2-Way Straight Thru	

**5000 Series QuickFit® 2-Position Two-Way, Straight-Through Motorized Valve**

- On-off and 2-way low voltage valves consist of an actuator and valve assembly
- For controlling flow of hot water and some models steam
- Includes end switch and manual opener
- Terminal board
- Maximum ambient temperature: 125°F
- Static pressure: 300 psi
- Voltage: 24V @ 60Hz



Part #	Mfg #	Pipe Size	Capacity	Max Close-Off Pressure	End Switch	Electrical Connections	Price
094300	V8043E5061	3/4" Swt	8.0 Cv	8 psi	SPST	18" Leads	
094301	V8043E5079	1" Swt	8.0 Cv	8 psi	SPST	18" Leads	
094302	V8043F5036	3/4" Swt	3.5 Cv	20 psi	SPST	Terminal Block	

**Zone Valves**

**V8044A 2-Position Diverting Motorized Valve**

- For controlling flow of hot water
- 1/2" Bottom inlet
- Manual opener
- Maximum ambient temperature: 125°F
- Voltage: 24V, 50/60Hz



Part #	Mfg #	Pipe Size	Capacity	Max Close-Off Pressure	End Switch	Electrical Connections	Price
006827	V8044E1011	3/4" Swt	7.0 Cv	10 psi	SPST	18" Leads	

**Miscellaneous Parts & Accessories**

Part #	Mfg #	Description	Price
168372	Q5020A1003	Globe Valve Linkage with 1/2" Shaft	

**2-Way Globe Valve**

- Sizes range from 1/2 to 2 inches
- Direct and reverse acting
- High pressure steam models with stainless steel trim
- Spring-loaded, self-adjusting packing
- Stainless steel stem prevents corrosion
- Valve designs provide equal percentage characteristics of flow for close control of water, and linear characteristic of flow for close control of steam or chilled water
- Valves utilize direct mounting, electric or pneumatic linear valve actuators; Q5001 linkage with Modutrol Motor; or Q5020/Q5022A linkages with direct coupled rotary actuators to operate the valve
- Not suitable for combustible gases



Part #	Mfg #	Pipe Size	Capacity	Max Close-Off Pressure	End Switch	Electrical Connections	Price
170336	V5011N2097	2" FPT	46.8 Cv	240 psi	N/A	N/A	



## Zone Valves

### Zone Valves

#### Whisper Guard Geothermal Valves

- Pump head: 150 feet of water
- Maximum working pressure: 125 psi
- Temperature range: 40-240°F
- Amperage rating: 0.9
- Volt frequency: 24V 60Hz
- 3-Year head, 5-year body warranty



Part #	Mfg #	Connection Size	Normal Flow Range	Pressure Drop Thru Valve Equivalent Feet of Pipe	Price
101957	5101-G2	3/4" Threaded	2 Way	125	

#### Zone Sentry® Zone Valve

- Provides on-off, normally open or normally closed control in both open and closed hot or chilled water systems
- Utilizes microcircuit based logic to control a gear driven electronic actuator which drives a ball valve based body design
- Uses up to 93% less energy than other commonly installed zone valves
- Quiet actuator operation
- Suitable for condensing environments
- Universal installation orientation
- Up to 12 valves on (1) 40VA transformer
- Multi-function LED assists with troubleshooting
- Quick release actuator mounting clips
- Positional indicator shows the ball valve's actual position
- Easy to wire quick connections
- Bi-directional flow (you cannot install the valve backwards)
- The actuator mounts on the valve in either direction
- Shut-off pressure: 125 psi
- Manual override button
- e-smart Energy saving



Part #	Mfg #	Description	Price
136624	Z075C2	2-Way, 3/4" Swt	
135892	Z100C2	2-Way, 1" Swt	

#### Zone Valve Power Head

555-050RP



Part #	Mfg #	Description	Price
010361	555-050RP	Power Unit Assembly, Snap Action Switch	
010362	555-173RP	Replacement Head	
074288	ZA024Q4A1	NO/NC Replacement Motorized Zone Valve Power Head	

## Zone Valves

### Zone Valves Hydronic Zone Control

- Self aligning barrel-type valve stem uses line pressure to seal off binding on opening and closing
- Valve stem made of stainless steel
- Built-in auxiliary contacts to control burner or circulator relay



#### 3-Wire, 24V Valve with Screw Terminal Wiring Panel & Auxiliary Switch

Part #	Mfg #	Tubing Size (ID)	24V AC Thermostat Circuit Rating	Time Cycle Open/Close	Price
012074	1311-102	3/4"	0.2A	45 Sec/45 Sec	
012072	1311-103	1"	0.2A	45 Sec/45 Sec	

#### 2-Wire, 24V Valve with Screw Terminal Wiring Panel & Auxiliary Switch

Part #	Mfg #	Tubing Size (ID)	24V AC Thermostat Circuit Rating	Time Cycle Open/Close	Price
012075	1361-104	1-1/4"	0.2A	45 Sec/60 Sec	
091732	WR1361102	3/4"	0.2A	45 Sec/60 Sec	



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## Reznor Infrared Accessories

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### Reznor Parts

Part #	Mfg #	Description	Price
066083	Rezbrkt	Low Ceiling Mounting Bracket	

## Schwank Infrared Heating

### Tube Heaters

#### Builder Schwank Tube Heater

- Line voltage thermostat ready
- Simple relay option for 24V thermostat
- Reflector & end caps improve IR heat output
- Swing-down cabinet service access
- Whisper quiet ceramic burner



Part #	Mfg #	Capacity	Fuel	Length	Price
129084	S100-45-20	45	NG	20'	
129085	S100-60-20	60	NG	20'	
129087	S100-60-30	60	NG	30'	
129088	S100-80-20	80	NG	20'	
129089	S100-80-30	80	NG	30'	
129090	S100-80-40	80	NG	40'	
129092	S100-100-20	100	NG	20'	
129093	S100-110-30	110	NG	30'	
129094	S100-110-40	110	NG	40'	
129095	S100-110-50	110	NG	50'	
129096	S100-130-30	130	NG	30'	
129098	S100-130-40	130	NG	40'	
129099	S100-130-50	130	NG	50'	
129101	S100-155-40	155	NG	40'	
129102	S100-155-50	155	NG	50'	
129103	S100-155-60	155	NG	60'	
129104	S100-175-50	175	NG	50'	
136923	S100-175-50L	175	LP	50'	
129106	S100-175-60	175	NG	60'	
137376	S100-175-60L	175	LP	60'	
129107	S100-175-70	175	NG	70'	
129109	S100-200-50	200	NG	50'	
129111	S100-200-60	200	NG	60'	
129112	S100-200-70	200	NG	70'	

#### Set Series WisperJet Two-Stage Tube Heater

- 2-Stage burner operation
- Status indicator lights
- Straight tube or "U" tube configuration
- Swing-down cabinet service access
- Whisper quiet ceramic burner



Part #	Mfg #	Capacity	Fuel	Length	Price
129932	SET 80/60	80/60	NG	20'	
129933	SET 80/60	80/60	NG	30'	
129937	SET 110/75	110/75	NG	30'	

### Tube Heaters (Continued)

#### Set Series WisperJet Two-Stage Tube Heater

Part #	Mfg #	Capacity	Fuel	Length	Price
129940	SET 110/75	110/75	NG	40'	
129941	SET 130/90	130/90	NG	30'	
129942	SET 130/90	130/90	NG	40'	
129943	SET 155/110	155/110	NG	40'	
129944	SET 155/110	155/110	NG	50'	
129945	SET 175/125	175/125	NG	50'	
129947	SET 200/140	200/140	NG	50'	
129948	SET 200/140	200/140	NG	60'	

#### PremierSchwank Tube Heater

- Line voltage or 24V thermostat ready
- Status indicator lights
- Power cord with plug
- 4" Bird screened combustion air collar
- Swing-down cabinet service access
- Whisper quiet ceramic burner
- 'Focus shield' reflector and end caps for Premier IR heat output
- Emissive coated radiant tubes



Part #	Mfg #	Capacity	Fuel	Length	Price
135859	STS-JZ-45-10	45	NG	10'	
143905	STS-JZ-45-20	45	NG	20'	
151663	STS-JZ-60-20	60	NG	20'	
143906	STS-JZ-60-30	60	NG	30'	
143907	STS-JZ-80-20	80	NG	20'	
143710	STS-JZ-80-30	80	NG	30'	
143292	STS-JZ-80-40	80	NG	40'	
143911	STS-JZ-100-20	100	NG	20'	
129457	STS-JZ-110-30	110	NG	30'	
136504	STS-JZ-110-40	110	NG	40'	
143912	STS-JZ-110-50	110	NG	50'	
143913	STS-JZ-130-30	130	NG	30'	
143914	STS-JZ-130-40	130	NG	40'	
136509	STS-JZ-130-50	130	NG	50'	
143915	STS-JZ-155-40	155	NG	40'	
143916	STS-JZ-155-50	155	NG	50'	
136967	STS-JZ-155-60	155	NG	60'	
143917	STS-JZ-175-50	175	NG	50'	
151661	STS-JZ-175-50	175	LP	50'	
143918	STS-JZ-175-60	175	NG	60'	
151662	STS-JZ-175-60	175	LP	60'	

## Schwank Infrared Heating

### Tube Heaters (Continued)

#### PremierSchwank Tube Heater

Part #	Mfg #	Capacity	Fuel	Length	Price
143919	STS-JZ-175-70	175	NG	70'	
143920	STS-JZ-200-50	200	NG	50'	
143921	STS-JZ-200-60	200	NG	60'	
143923	STS-JZ-200-70	200	NG	70'	

### Tube Heater Accessories

#### Burner Kit

Part #	Mfg #	Description	Price
129916	JS-080T-BN	NG Burner Kit for SET 80/60	
129918	JS-155T-BN	NG Burner Kit for SET 155/110	
129920	JS-200T-BN	NG Burner Kit for SET 200/140	
137325	JS-110P-BN	NG Burner Kit for STW-JZ-110	
239848	JS-110W-BN	NG Burner Kit for SPW-JZ110	
144704	JS-130P-BN	NG Burner Kit for STW-JZ-130	
128974	JS-E045-BN	NG Burner Kit for S100 45	
128980	JS-E060-BN	NG Burner Kit for S100 60	
128981	JS-E080-BN	NG Burner Kit for S100 80	
128982	JS-E100-BN	NG Burner Kit for S100 100	
128983	JS-E110-BN	NG Burner Kit for S100 110	
128984	JS-E130-BN	NG Burner Kit for S100 130	
128985	JS-E155-BN	NG Burner Kit for S100 155	
128986	JS-E175-BN	NG Burner Kit for S100 175	
136851	JS-E175-BL	LP Burner Kit for S100 175	
162577	JS-E200-BL	LP Burner Kit for S100 200	
128987	JS-E200-BN	NG Burner Kit for S100 200	
136501	JS-S110-AN	NG Burner Kit for STS-JZ-110	
136505	JS-S130-AN	NG Burner Kit for STS-JZ-130	
136965	JS-S155-AN	NG Burner Kit for STS-JZ-155	

#### Tube Kit

- Stand-alone tube kits require no additional tube kits
- Primary tube kits require at least one additional secondary tube kit
- Secondary tube kits require a primary tube kit
- Kits include:
  - Tubes
  - Reflectors
  - Hanger
  - Tube couplers

Part #	Mfg #	Description	Price
135829	TS-4510-JZ	10' Stand-Alone Kit for STR-JZ-45	
128990	TM-1020-SX	20' Stand-Alone Kit for S100-100	

### Tube Heater Accessories (Continued)

#### Tube Kit

Part #	Mfg #	Description	Price
128989	TM-1420-SX	20' Stand-Alone Kit for SET80/60	
136172	TS-1420-JZ	20' Stand-Alone Kit for STR-JZ-45 & 60	
128991	TM-1430-SX	30' Stand-Alone Kit for SET80/60, 110/75, & 130/90	
128992	TM-1040-SX	40' Stand-Alone Kit for SET110/75, 130/90, & 155/110	
136502	TS-1040-JZ	40' Stand-Alone Kit for STS-JZ-80/110/130/155	
128994	TM-1030-SX	30' Primary Kit for SET175/125 & 200/140	
128993	TM-F030-SX	30' Primary Kit for SET155/110	
136506	TS-F030-JZ	30' Primary Kit for STS-JZ-110/130/155	
137323	TW-F030-JZ	30' Primary Kit for SPW/STW-JZ-110/130/155	
128999	TM-1010-SX	10' Secondary Kit for S100	
128996	TM-0020-SX	20' Secondary Kit for SET	
128997	TM-0030-SX	30' Secondary Kit for SET	
136507	TS-0020-JZ	20' Secondary Kit for STS-JZ	
137324	TW-0020-JZ	20' Secondary Kit for SPW-JZ or STW-JZ	
136966	TS-0030-JZ	30' Secondary Kit for STS-JZ	
128998	TM-0040-SX	40' Secondary Kit for S100	

#### LP Conversion Kit

Part #	Mfg #	Description	Price
129000	JS-0556-XE	45 MBTUH NG to LP	
129001	JS-0557-XX	60 MBTUH NG to LP	
129002	JS-0559-XX	80/60 MBTUH NG to LP	
129847	JS-0555-TG	110/75 MBTUH NG to LP	
171260	JS-0563-XB	125 MBTUH NG to LP	
129929	JS-0555-TK	130/90 MBTUH NG to LP	
129930	JS-0555-TO	155/110 MBTUH NG to LP	
129129	JS-0565-XX	155 MBTUH NG to LP	

**Adjustable Pressure Switches**

**2374 Series Adjustable Air Pressure Sensing Switches**

- *Designed to replace a wide variety of air-sensing switches found in residential & light commercial applications including furnaces, electronic air cleaners & humidifiers*
- *SPDT Switching that can be actuated by positive or negative pressure, or by pressure differential*
- *Highly accurate, practically insensitive to temperature change*
- *Operating temperature range: -40° to 190°F*
- *Electrical connections: 1/4" spade*
- *Air sample line connectors: will accept 1/8", 1/4" or 3/8" tubing*
- *UL & CSA Approved*
- *Includes mounting hardware and adjustment tool*



Part #	Mfg #	Description	Price
044313	2374-495	.25" to 1.0"wc Set Point Range, SPDT Switching	
044314	2374-498	.10" to 4.0"wc Setpoint Range, SPDT Switching	

## Capacitors

### Capacitors Motor Start Capacitor

- Plastic housing
- Variable capacitance
- 1.812" Dia x 3.37" height
- (189-227220) & (233-292220) 2.062" Dia x 3.37" height
- (189-227330) 2.062" Dia x 4.37" height



Part #	Mfg #	Description	Price
205576	DV88108	Round Plastic Can, 88-108μF, 110/125 VAC	
239652	108-130220	Round Plastic Can, 108-130μF, 220/250VAC	
239653	124-156220	Round Plastic Can, 124-156μF, 220/250VAC	
239654	189-227220	Round Plastic Can, 189-227μF, 220/250VAC	
240453	189-227330	Round Plastic Can, 189-227μF, 330VAC	
239655	233-292220	Round Plastic Can, 233-292μF, 220/250VAC	

### 370VAC Single Oval Run Capacitors

- Rated Frequency: 50/60 Hz
- Applied Standard: UL-810; CSA22.2 No190, IEC60252
- Meets 10,000AFC safety requirement per UL-810
- Capacitance Tolerance +/-5%
- Permissible Temperature: -40°C to +70°C
- Individually Packaged
- Withstanding Voltage test
- Between Terminals: Rated Voltage X 1.75VAC, 10sec
- Between Terminals and Case: Rated Voltage X 2+1000VAC, 60sec
- Maximum Permissible Voltage: 110% of the rated voltage
- Maximum Permissible Current: 130% of the rated current
- Oil Filled; Non PCB
- 1/4" quick connect terminal



Part #	Mfg #	Description	Price
195226	37-125H	370VAC Oval 12.5μF	

## Capacitors

### 370VAC Dual Oval Run Capacitor

- Rated Frequency: 50/60 Hz
- Capacitance Tolerance -5% - +5%
- Permissible Temperature: -40°C - +70°C
- Individually Packaged
- Withstanding Voltage test
- Between Terminals: Rated Voltage X 1.75VAC, 10sec
- Between Terminals and Case: Rated Voltage X 2+1000VAC, 60sec
- Maximum Permissible Voltage: 110% of the rated voltage
- Maximum Permissible Current: 130% of the rated current
- Applied Standard: UL-810; CSA22.2 No190, IEC60252
- Meets 10,000AFC safety requirement per UL-810
- Oil Filled; Non PCB
- Quick Connect Terminal - Faston #250 series size



Part #	Mfg #	Description	Price
195756	3GJ7530	370VAC Oval 30+7.5μF	
214443	3GJ0515	370VAC Oval 15+5μF	

### 370VAC Dual Round Run Capacitor

- Rated Frequency: 50/60 Hz
- Applied Standard: UL-810; CSA22.2 No190, IEC60252
- Meets 10,000 AFC safety requirement per UL-810
- Capacitance Tolerance +/-5%
- Permissible Temperature: -40°C to +70°C
- Individually Packaged
- Withstanding Voltage test
- Between Terminals: Rated Voltage X 1.75VAC, 10sec
- Between Terminals and Case: Rated Voltage X 2+1000VAC, 60sec
- Maximum Permissible Voltage: 110% of the rated voltage
- Maximum Permissible Current: 130% of the rated current
- Oil Filled; Non PCB
- 1/4" quick connect terminal



Part #	Mfg #	Description	Price
195759	3GR0525	370VAC Round 25+5μF	
197632	3GR0580	370VAC Round 80+5μF	



## Capacitors

### 440VAC Single Oval Run Capacitors

- Rated Frequency: 50/60 Hz
- Applied Standard: UL-810; CSA22.2 No190, IEC60252
- Meets 10,000AFC safety requirement per UL-810
- Capacitance Tolerance +/-5%
- Permissible Temperature: -40°C to +70°C
- Individually Packaged
- Withstanding Voltage test
- Between Terminals: Rated Voltage X 1.75VAC, 10sec
- Between Terminals and Case: Rated Voltage X 2+1000VAC, 60sec
- Maximum Permissible Voltage: 110% of the rated voltage
- Maximum Permissible Current: 130% of the rated current
- Oil Filled; Non PCB
- 1/4" quick connect terminal



Part #	Mfg #	Description	Price
202161	45030H	440VAC Oval 3µF	
204347	45040H	440VAC Oval 4µF	
201308	45050H	440VAC Oval 5µF	
211592	45050HU	440VAC Oval 5µF USA	
197360	45075H	440VAC Oval 7.5µF	
211593	45075HU	440VAC Oval 7.5µF USA	
197361	45100H	440VAC Oval 10µF	
211594	45100HU	440VAC Oval 10µF USA	
197362	45125H	440V Oval 12.5µF	
211602	45125HU	440VAC Oval 12.5µF USA	
197363	45150H	440VAC Oval 15µF	
211595	45150HU	440VAC Oval 15µF USA	
239668	45175H	440VAC Oval 17.5µF	
211596	45200HU	440VAC Oval 20µF USA	
211597	45250HU	440VAC Oval 25µF USA	
211598	45300HU	440VAC Oval 30µF USA	
211600	45400HU	440VAC Oval 40µF USA	
211601	45450HU	440VAC Oval 45µF USA	
211603	45500HU	440VAC Oval 50µF USA	
211614	45600HU	440VAC Oval 60µF USA	
210278	45700H	440VAC Oval 70µF USA	

## Capacitors

### 440VAC Single Round Run Capacitor

- Rated Frequency: 50/60 Hz
- Applied Standard: UL-810; CSA22.2 No190, IEC60252
- Meets 10,000AFC safety requirement per UL-810
- Capacitance Tolerance +/-5%
- Permissible Temperature: -40°C to +70°C
- Individually Packaged
- Withstanding Voltage test
- Between Terminals: Rated Voltage X 1.75VAC, 10sec
- Between Terminals and Case: Rated Voltage X 2+1000VAC, 60sec
- Maximum Permissible Voltage: 110% of the rated voltage
- Maximum Permissible Current: 130% of the rated current
- Oil Filled; Non PCB
- 1/4" quick connect terminal



Part #	Mfg #	Description	Price
198900	45150R	440VAC Round 15µF	
198901	45200R	440VAC Round 20µF	
198902	45250R	440VAC Round 25µF	
198903	45300R	440VAC Round 30µF	
198904	45350R	440VAC Round 35µF	
198905	45400R	440VAC Round 40µF	
198906	45450R	440VAC Round 45µF	
198907	45500R	440VAC Round 50µF	
198908	45550R	440VAC Round 55µF	
198909	45600R	440VAC Round 60µF	
198910	45800R	440VAC Round 80µF	

### 440VAC Dual Oval Run Capacitor

- Rated Frequency: 50/60 Hz
- Applied Standard: UL-810; CSA22.2 No190, IEC60252
- Meets 10,000AFC safety requirement per UL-810
- Capacitance Tolerance +/-5%
- Permissible Temperature: -40°C to +70°C
- Individually Packaged
- Withstanding Voltage test
- Between Terminals: Rated Voltage X 1.75VAC, 10sec
- Between Terminals and Case: Rated Voltage X 2+1000VAC, 60sec
- Maximum Permissible Voltage: 110% of the rated voltage
- Maximum Permissible Current: 130% of the rated current
- Oil Filled; Non PCB
- 1/4" quick connect terminal



Part #	Mfg #	Description	Price
202163	4JJ0530	440VAC Oval 5+30µF	
202164	4JJ0535	440VAC Oval 5+35µF	
202165	4JJ0540	440VAC Oval 5+40µF	
202166	4JJ7535	440VAC Oval 7.5+35µF	

## Capacitors

### 440VAC Dual Round Run Capacitor

- Rated Frequency: 50/60 Hz
- Applied Standard: UL-810; CSA22.2 No190, IEC60252
- Meets 10,000AFC safety requirement per UL-810
- Capacitance Tolerance +/-5%
- Permissible Temperature: -40°C to +70°C
- Individually Packaged
- Withstanding Voltage test
- Between Terminals: Rated Voltage X 1.75VAC, 10sec
- Between Terminals and Case: Rated Voltage X 2+1000VAC, 60sec
- Maximum Permissible Voltage: 110% of the rated voltage
- Maximum Permissible Current: 130% of the rated current
- Oil Filled; Non PCB
- 1/4" quick connect terminal



Part #	Mfg #	Description	Price
197358	4JR0525	440VAC Round 25+5 µF	
211604	4JR0525U	440VAC Round 25+5 µF USA	
196431	4JR0530	440VAC Round 5+30 µF	
211605	4JR0530U	440VAC Round 5+30 µF USA	
196433	4JR0535	440VAC Round 5+35 µF	
211606	4JR0535U	440VAC Round 5+35 µF USA	
196434	4JR0540	440VAC Round 5+40 µF	
211607	4JR0540U	440VAC Round 5+40 µF USA	
196435	4JR0545	440VAC Round 5+45 µF	
211609	4JR0545U	440VAC Round 5+45 µF USA	
196436	4JR0550	440VAC Round 5+50 µF	
211611	4JR0550U	440VAC Round 5+50 µF USA	
196437	4JR0555	440VAC Round 5+55 µF	
211612	4JR0555U	440VAC Round 5+55 µF USA	
196438	4JR0560	440VAC Round 5+60 µF	
211613	4JR0560U	440VAC Round 5+60 µF USA	
224820	4JR0570	440VAC Round 5+70 µF	
213845	4JR1080	440VAC Round 10+80 µF	
197359	4JR7530	440VAC Round 7.5+30 µF	
196439	4JR7535	440VAC Round 7.5+35 µF	
196440	4JR7540	440VAC Round 7.5+40 µF	
211608	4JR7540U	440VAC Round 7.5+40 µF USA	
196441	4JR7545	440VAC Round 7.5+45 µF	
211610	4JR7545U	440VAC Round 7.5+45 µF USA	
201867	4JR7550	440VAC Round 7.5+50 µF	
204184	4JR7555	440VAC Round 7.5+55 µF	
204147	4JR7560	440VAC Round 7.5+60 µF	
224819	4JR7570	440VAC Round 7.5+70 µF	

**Capacitors**

**Capacitors**  
**Dual Round Capacitor**



Part #	Mfg #	Microfarad	Volts	Price
103724	43-25133-01	25/3mfd	370V	
078956	43-25133-02	30/3mfd	370V	
096155	43-25133-21	30/5mfd	370V	
096131	43-25133-03	35/3mfd	370V	
096156	43-25133-35	35/5mfd	370V	
086414	43-25133-04	40/3mfd	370V	
096698	43-25133-22	40/5mfd	370V	
086403	43-25133-05	45/3mfd	370V	
086404	43-25133-06	45/5mfd	370V	
113731	43-26261-48	45/10mfd	370V	
086405	43-25133-07	50/3mfd	370V	
078757	43-25133-25	50/5mfd	370V	
142501	43-25133-28	55/3mfd	370V	
086406	43-25133-08	55/5mfd	370V	
096159	43-25133-29	55/10mfd	370V	
086409	43-25133-09	60/3mfd	370V	
036187	43-25133-10	60/5mfd	370V	
142290	43-25133-19	25/5mfd	370V	
103773	43-25133-31	60/10mfd	370V	
086411	43-25133-32	70/5mfd	370V	
103775	43-26271-47	70/10mfd	370V	
080910	43-25133-33	80/5mfd	370V	
096161	43-25133-34	80/10mfd	370V	
188631	43-25133-44	40/5mfd	370V	
175434	43-25133-36	30/5mfd	440V	
086340	43-25133-11	35/3mfd	440V	
087300	43-25133-12	35/5mfd	440V	
072615	43-25133-14	40/5mfd	440V	
133921	43-25133-16	45/5mfd	440V	
175429	43-25133-24	45/10mfd	440V	
133922	43-25133-26	50/5mfd	440V	
072616	43-25133-17	55/5mfd	440V	
086410	43-25133-30	60/5mfd	440V	
161492	43-25133-37	60/10mfd	440V	
096160	43-26271-45	60/10mfd	440V	
175433	43-101665-06	35/5mfd	440V	
103708	43-25133-13	40/3/mfd	440V	

**Dual Oval Capacitor**

- Certified to the highest level of UL 810
- Tested and approved for 5,000 AFC



Part #	Mfg #	Microfarad	Volts	Price
063489	43-25135-03	35/5mfd	370V	
098888	43-25135-19	40/3mfd	370V	

**Single Round Capacitor**



Part #	Mfg #	Microfarad	Volts	Price
142502	43-25136-01	3mfd	370V	
142503	43-25136-02	4mfd	370V	
142505	43-25136-03	5mfd	370V	
142506	43-25136-04	6mfd	370V	
082669	43-25136-05	7.5mfd	370V	
094857	43-25136-06	10mfd	370V	
094858	43-25136-07	12.5mfd	370V	
074119	43-25136-08	15mfd	370V	
094861	43-25136-09	20mfd	370V	
142509	43-25136-10	25mfd	370V	
125108	43-25136-11	30mfd	370V	
095766	43-25136-12	35mfd	370V	
105798	43-25136-13	40mfd	370V	
142513	43-25136-15	55mfd	370V	
142514	43-25136-16	60mfd	370V	
113922	43-25136-18	80mfd	370V	
142515	43-25136-19	90mfd	370V	
234995	43-25136-24	7.5mfd	440V	
132363	43-25136-32	40mfd	440V	
117432	43-25136-33	45mfd	440V	
142512	43-25136-34	50mfd	440V	

**Capacitors**

**Single Oval Capacitor**



Part #	Mfg #	Microfarad	Volts	Price
022868	43-25134-01	3mfd	370V	
058909	43-25134-27	4mfd	370V	
022869	43-25134-02	5mfd	370V	
141512	43-25134-28	6mfd	370V	
017773	43-25134-03	7.5mfd	370V	
020049	43-25134-04	10mfd	370V	
020740	43-25134-05	12.5mfd	370V	
030139	43-25134-06	15mfd	370V	
141513	43-25134-07	20mfd	370V	
141515	43-25134-09	30mfd	370V	
141516	43-25134-10	35mfd	370V	
141518	43-25134-17	45mfd	370V	
141519	43-25134-18	50mfd	370V	
141520	43-25134-19	55mfd	370V	
234980	43-25134-22	10mfd	440V	
141521	43-25134-29	60mfd	370V	
141522	43-25134-30	70mfd	370V	
141523	43-25134-31	80mfd	370V	
234988	43-25134-23	15mfd	440V	
234978	43-25134-33	7.5mfd	440V	
234976	43-25134-21	5mfd	440V	

**Start Capacitor**

- Phenolic case
- 15 Ohm Bleed resistor



Part #	Mfg #	Microfarad	Volts	Price
009293	43-17075-03	135-155mfd	330V	
009294	43-17075-04	88-106mfd	330V	
009295	43-17075-05	189-227mfd	330V	
024251	43-17075-07	270-324mfd	330V	

**Parts & Accessories**

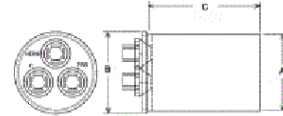
Part #	Mfg #	Description	Price
180168	84-25175-05	Disconnect Switch - 60A Non-Fused Metal Top Open	



## Capacitors

### Capacitors Dual Round Capacitor

- 440 VAC
- Capacitance (1): 30
- Capacitance (2): 3
- 1/4" Quick connects



Part #	Mfg #	Description	Price
235604	43-25133-20	Control Volts 440	

### Turbo® 200 MINI Capacitor



Part #	Mfg #	Description	Price
106682	439102	2.5 - 12.5mfd	

### Turbo® 200 Capacitor



Part #	Mfg #	Description	Price
106680	439100	Control Volts 370-440	

### Turbo® 200X Capacitor



Part #	Mfg #	Description	Price
106681	439101	2.5 - 97.5mfd	



## Chemicals

### Sealants

#### Furnace Cement

- Repairs casting cracks and fills voids
- For use on coal or wood burning furnaces and stoves
- Ready to use, no mixing
- Withstands same temperatures as fire brick



Part #	Mfg #	Description	Price
005542	45050	16 oz Can	

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## Chemicals

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### Furnace Cement

- Ready-to-apply, pre-mixed
- High temperature refractory cement for installation and repairing furnaces, heaters stoves and boilers
- Bonds to cast iron, steel, firebrick and glass
- Maximum temperature: 3,000°F



Part #	Mfg #	Size	Color	Price
004418	1354	1 qt	Gray	



## Condensate Pumps

### VCMA Automatic Condensate Pumps

- Suitable for high-efficiency, gas furnace condensate
- Fully automatic
- 1/2 Gallon leak proof, rustproof, high impact ABS tank
- (3) Drain holes
- Removable 3/8" barbed check valve
- 3-Prong plug
- Snap-action switch
- Stainless steel shaft
- Polypropylene impeller
- ABS Plastic motor, tank cover and volute
- Includes check valve
- Optional safety switch
- Thermal overload protection



#### VCMA Series Condensate Pump less Tubing

- S Suffix = safety switch
- 6' Cord

Part #	Mfg #	Model	Description	Price
005997	554405	VCMA-15ULS	115V, 15' Shut-Off	
005998	554425	VCMA-20ULS	115V, 20' Shut-Off	

### Electronic Condensate Pumps

- Maximum flow: 4 gph
- Compact 2-piece design allows flexible installation for mini-split A/C units
- Self-priming pump can be located up to 3' above reservoir
- Suction tubing: 3" x 5/32" ID  
Vent tubing: 8" x 5/32" ID  
Drain tubing: 3" x 1/2" ID



Part #	Mfg #	Model	Description	Price
053838	553455	EC-400	115V 60Hz	
106971	553458	EC-400	230V 60Hz	

### VCMX NEXTGen™ Automatic Condensate Pumps

- Dimensions: 4.8" x 10.2" x 6.5"
- Oil resistant tank and check valve to eliminate problem of cracked tanks
- 1/4-Turn check valve allows servicing without removal of tubing
- Patent-pending cooling design
- Rubber feet absorb vibration
- Thermal overhead protection
- External overflow safety switch
- External test/run lever
- External tank anti-sweat sleeve
- Multiple brackets: steel mounting bracket for use on either side of tank
- 2-Year warranty



#### VCMX Series Condensate Pump less Tubing

- 20' Shut-off
- 6' Cord

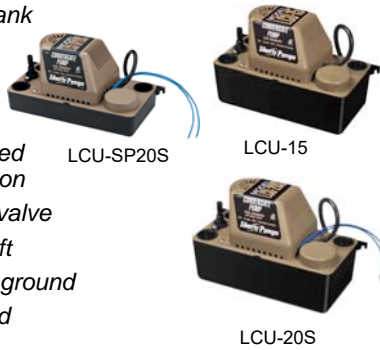
Part #	Mfg #	Model	Description	Price
120046	554530	VCMX-20ULS	115V, Safety Switch	

**Condensate Pumps**

**Condensate Pumps**

**LCU Series Condensate Pump**

- High impact ABS tank
- Wall mounts
- (3) Intake holes
- 3/8" OD Outlet
- Barbed and threaded discharge connection
- Removable check valve
- Stainless steel shaft
- 6' Power cord with ground
- Thermally protected
- Quiet operation
- 3-Year warranty



Part #	Mfg #	Description	Price
120642	LCU-15	115V, 1/50 hp	
123251	LCU-20S	115V, 1/30 hp, w/Safety Switch	
124593	LCU-SP20S	115V, 1/30 hp, w/Safety Switch, Shallow Pan Design	

## Condensate Pumps

### Condensate Pumps

#### ClearVue™ Pump - No Float, No Problem

- *iQ Technology™ to think and adapt to changing conditions*
- *Variable lift*
- *Self-cleaning*
- *Floatless Sensor™*



Part #	Mfg #	Description	Price
143695	IQP-120	Clearvue™ Pump 120V	
201298	DVIQP120T	ClearVue™ Pump, CVT 120V	

#### CP-22 Condensate Pump with Hose

- *22ft lift with 20ft of 3/8" CVT*
- *4-3/8" Height*
- *Low profile package*
- *4 inlet holes*
- *Motor mounts*
- *Metal hang tabs*
- *Clear indicator spray*
- *Vibration dampening feet*
- *Float switch and check valve*
- *1/4" quick connect terminals (3 terminals)*



Part #	Mfg #	Description	Price
243155	CP-22-230T	230V with Tubing	
196148	CP-22T	120V with Tubing	
198459	DVCP22LP	Condensate Pump low profile	

#### High Temp Boiler Condensate Removal Pump

- *46' Lift*
- *Two inlet holes*
- *1/4 turn check valve*
- *Oil resistant tank and impeller*
- *For hot water applications up to 211°*

Part #	Mfg #	Power	Price
238716	BP-46	115V	

#### Mini Split Condensate Pumps

- *DiversiTech's Mini Split Condensate Pump is a quiet, super compact, and feature rich pump that fits almost anywhere.*
- *Available in 115V and 230V versions.*
- *Pump fits easily in most line sets covers.*

Part #	Mfg #	Description	Price
187890	DVCPM230	230V	

**Condensate Pumps**

**Condensate Pumps**

**Mini-Split Condensate Pump**

- *Integral Pump-Tank*
- *Piston pump type*
- *120/230V*
- *3.25ft Power cord length*
- *Safety switch included*
- *104°F Max water temp*



Part #	Mfg #	Power Supply & Consumption	CTN Weight	Price
158107	ASP-MW-UNI	120/230V .11A 16W	1-3/4 lbs	
177095	ASP-MO-UNI	120/230V	.4 lbs	

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**Condensate Traps**

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**Condensate Traps**

- Full-flow condensate traps
- Each trap is carefully sized, minimizing bothersome clogged trap service calls
- Manufactured to demanding standards



Part #	Mfg #	Description	Price
002271	0356	3/4" Sch 40 PVC P-Trap	
116687	0357	3/4" Sch 40 PVC R-Trap	
116848	16349	1" Sch 40 PVC R-Trap	

## Condensate Traps

### Condensate Traps

#### Residential Condensate Trap

- 3/4" Sch. 40 PVC trap saves fittings and job costs when trapping coil condensate lines



Part #	Mfg #	Type	Size	Price
027598	867-30	P-Trap	8" x 2-1/2"	

#### Condensate Trap

- One piece 3/4" Sch. 40 PVC trap saves fittings and job costs when trapping condensate lines



Part #	Mfg #	Type	Size	Price
184039	867-35	Running	10-3/4" x 2"	

**Disconnects/Fuses/Electrical Box Covers**

**Electrical Boxes**

**Handy Boxes - Standard Steel Utility Box**

- Dimensions: 4"H x 2-1/8"W



Part #	Mfg #	Description	Price
002313	7596	2-1/8" Deep, 1/2" KO's	

**Steel Electrical Box**

- 1/2" & 3/4" Knockouts



Part #	Mfg #	Description	Price
143518	7588	4" Square x 2-1/8" Deep	

**Electrical Receptacles**

**Premium Duplex Receptacle**

- Premium specification grade
- 2-Pole, 3-wire grounding receptacles
- Side-wired



Part #	Mfg #	Description	Price
141783	16573	15A, 125V White	

**Electrical Switches**

**Standard Toggle Switch**

- Combination of side wiring & push-in wiring
- Framed toggle
- 15A 1/2 hp 120V



Part #	Mfg #	Description	Price
140155	16571	Grounded, White	




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**Disconnects/Fuses/Electrical Box Covers**

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**Fuses**



46-22863-82-5PK



44-ATC3-5PK

Part #	Mfg #	Description	Price
056101	44-ATC3-5PK	Fuse 3A 5-Pack	
064538	46-22863-82-5PK	Fuse 2A 5-Pack	
097898	44-ATC5-5PK	Fuse 5A 5-Pack	



## Disconnects/Fuses/Electrical Box Covers

### Fuses

#### Box Cover Units

- Maximum 15 Amps
- Maximum 125VAC
- UL Listed and CSA certified
- For use with type T plug fuses



**COOPER**  
Bussmann

Part #	Mfg #	Description	Price
002302	620-608	Switch/Fuse Combo/ESSU	

#### Blade (Auto) Fuses

- Fast acting low voltage supplementary fuses
- Automotive blade style



Part #	Mfg #	Description	Price
213723	626-AT0003	3AMP, Purple, 5/Pk	
213724	626-AT0005	5AMP, Tan, 5/Pk	

#### In-Line Fuse Holder

- Controls up to 30 amp
- For use on AC/DC circuits
- Rigid plastic covering for each fuse



Part #	Mfg #	Amps	Price
239670	FH-1	Up to 30	

#### Dual Element Fuses

- Provides time delay for temporary over-current conditions and motor running protection for heating and air conditioning equipment
- Eliminates unnecessary maintenance from harmless overloads. U.L. Class RK-5, Standard for Safety 198E, Current Limiting Fuses, Interrupting Rating 200,000 Amps. rms. A.C.

Part #	Mfg #	Description	Price
192052	7CRNR-15	Time delay, 15 Amps	
192053	7CRNR-20	Time delay, 20 Amps	
192054	7CRNR-40	Time delay, 40 Amps	
192056	7CRNR-50	Time delay, 50 Amps	
194412	7CRNR-60	Time delay, 60 Amps	
200539	7CRNR-30	Time delay, 30 Amps	

### Time Delay Plug Fuses, U.L. listed

- These plugs offer safe protection during momentary overload.
- No adapter necessary. U.L. Listed.



Part #	Mfg #	Description	Price
192066	626-15T	Type T Plug Fuse – 15 Amp	

### Disconnects

#### DiversiTech Pull-Out Disconnect Switch

- Side opening door
- Line, load, and ground terminals aligned
- Reversible door
- Full dead front



Part #	Mfg #	Description	Price
132308	DDS-60U	60A, Non-Fused	

### Utility Boxes & Accessories

#### Standard Steel Utility Box

- 2-1/8" deep
- 1/2" K.O.



Part #	Mfg #	Description	Price
192062	620-202	2-1/8" Deep Handy Box	
192068	620-254	Flat blank cover	
207287	620-252	Flat, 2 duplex receptacle cover	

#### Steel 1900 Boxes

- Steel Utility Boxes are used for convenience outlets, switch boxes and small junction boxes.



Part #	Mfg #	Description	Price
216595	PI363	4"x4"x2"	

**Electrical Tape**

**Tape**

**Scotch 3M Super 33+ Electrical Tape**

- Premium grade, 7 mil all-weather vinyl insulating
- Temperature range: 0° to 220°F



Part #	Mfg #	Size	Price
132145	ET33	3/4" x 66'	

**Economy Electircal Tape**

- Up to 175°F and not more than 600V
- UL listed



Part #	Mfg #	Description	Price
196493	6-3460	3/4" x 60'	

## Electrical Tape

### Tape Electrical Tape

- Individually wrapped
- Black vinyl
- UL Listed



Part #	Mfg #	Size	Price
106658	T20-030	3/4" x 60'	

**Electrical Tape**

**Amazing! Tile Tape**

- *Makes watertight junctions and connections for plastic tubing*
- *Made out of PVC, which provides super stretchability*
- *Properties:*
  - *Tensile strength: 20#/sq inch*
  - *Elongation: 230%*
  - *Dielectric: 8800V*
  - *Thickness: 8 mm*



Part #	Mfg #	Description	Price
127854	BT02ADC	2" x 108' Roll	

**Gas Valves**

**VR Series Combination Gas Controls**

- Standard features for combination gas valves include:
  - (2) Automatic valves
  - Solenoid-operated first automatic valve opens on thermostat call for heat; closes when call for heat ends.
  - Diaphragm-operated second automatic valve opens under control of regulator; closes if gas or power supply is interrupted
  - Meets codes requiring dual safety shutoff
  - Mounting: 0° to 90°, any direction from upright position of gas control knob, including vertically

**VR8200 Continuous Pilot Dual Automatic Valve Combo Gas Control**

- For 24VAC gas-fired, standing pilot appliances with capacities from 20-200 cfh
- Includes all standard features plus:
  - Controls include manual valve, (2) automatic operators, Servco pressure regulator and pilot adjustment
  - Standard and slow opening natural gas models include natural to LP gas conversion kits; LP to natural gas conversion kits are also available
  - All adjustments, wiring connections and pilot outlets are accessible from the top of control
  - LITE-RITE (Off-Pilot-On) lighting sequence
  - Compatible with ECO connector
  - Capacities based on 1" p.d. 20,000 BTUH minimum, 130,000 BTUH maximum



Part #	Mfg #	Inlet/Outlet Size	Capacity cfh	Capacity m3/hr	Pressure Regulator Setting	Type of Gas	Type of Pressure Regulator	Price
006813	VR8200A2132	1/2" x 1/2"	130	3.7	3.5"wc/0.9kPa	NG	Std (1)	

(1) Includes 393691 NG to LP conversion kit, 1/2"x 3/8" reducer bushing, 393690-14 bag assembly - 3/4" straight flange with o-ring, screws and wrench

**Universal Standard Opening Direct Ignition Gas Valve**

- Control includes manual valve, two automatic operators, pressure regulator, pilot adjustment, pilot plug and ignition adapter
- Replaces many IP, HSI, or DSI gas control
- For use with natural or manufactured gas or LP gas
- Includes converter kit to adapt from natural to LP gas
- Compact size
- All adjustments and wiring connections accessible from top of control
- 4" Swing radius allows easy rotation into position inside the tightest furnace vestibules
- Clearly marked, keyed terminal block allows quick attachment of wires and IP/DSI/HSI jumper
- Internal inlet screen blocks contaminants in gas line from entering valve



Part #	Mfg #	Inlet/Outlet Size	Capacity cfh	Capacity m3/hr	Pressure Regulator Setting	Type of Gas	Type of Pressure Regulator	Price
245091	VR8245M2350	1/2" x 1/2"	200	-	3.5"wc/0.9kPa	NG	Std (1)	

(1) Includes 393691 NG to LP conversion kit, 1/2"x 3/8" reducer bushing, 393690-14 bag assembly - 3/4" straight flange with o-ring, screws and wrench

**Gas Valves**

**VR8300A Continuous Pilot Dual Automatic Valve Combo Gas Control**

- For 24VAC gas-fired, standing pilot appliances with capacities from 30-300 cfh
- Includes all standard features plus:
  - Controls include 100% safety shutoff, manual valve, magnetic operators, pressure regulator and pilot adjustment
  - Standard and slow opening natural gas models include natural to LP gas conversion kits; LP to natural gas conversion kits are also available
  - All adjustments, wiring connections and pilot outlets are accessible from the top of control
  - LITE-RITE (Off-Pilot-On) lighting sequence
  - Compatible with ECO connector
  - Ambient temperature ratings: 0° to 175°F
  - Capacities based on 1" p.d. 30,000 BTUH minimum, 190,000 BTUH maximum



Part #	Mfg #	Inlet/Outlet Size	Capacity cfh	Capacity m3/hr	Pressure Regulator Setting	Type of Gas	Type of Pressure Regulator	Price
006815	VR8300A3500	1/2" x 3/4"	190	5.4	3.5"wc/0.87kPa	NG	Std (1)	

(1) Includes (1) 3/4"x 1/2" reducer bushing, 393691 NG to LP conversion kit

**VR8345 Universal Electronic Ignition Combination Gas Control**

- For use with direct spark ignition, hot surface ignition or intermittent pilot ignition in 24VAC, gas-fired appliances, with capacities from 30 to 415 cfh
- Includes all standard features plus:
  - Manual valve, two automatic operators, pressure regulator, pilot adjustment, pilot plug and ignition adapter
  - Replaces virtually any IP, HSI or DSI gas control
  - For use with natural or manufactured gas or LP gas
  - Includes converter kit to adapt from natural gas to LP gas
  - 4" Swing radius allows easy rotation into position inside the tightest furnace vestibules
  - Clearly marked, keyed terminal block allows quick attachment wires and IP/DSI/HSI jumper
  - Internal inlet screen blocks contaminants in gas line from entering valve
  - Capacities based on 1" p.d. 30,000 BTUH minimum, 300,000 BTUH maximum



Part #	Mfg #	Inlet/Outlet Size	Capacity cfh	Capacity m3/hr	Pressure Regulator Setting	Type of Gas	Type of Pressure Regulator	Price
025055	VR8345M4302	3/4" x 3/4"	300	8.5	3.5"wc/0.87kPa	NG	Std (1)	

(1) Includes two 3/4" x 1/2" NPT reducer bushings and one 1/2" x 1/2" NPT bushing

**Gas Valves**

**Combination Gas Controls**

**V800 Low Voltage Standing Pilot Gas Control**

- Auto 24V control for use with 30mV thermocouple, includes integral A and B gas cock, magnetic operator, pressure regulator, auto pilot, 100% shut-off, pressure tap and filter, one 36" thermocouple and LP kit
- Color coded blue to identify 24V operation



Part #	Mfg #	Inlet/Outlet Size	Capacity cfh	Capacity m3/hr	Pressure Regulator Setting	Type of Gas	Type of Pressure Regulator	Price
006820	V800A1070	1/2" x 3/4"	250	7.1	3.5"wc/0.87kPa	NG	Std (1)(2)(3)	
006821	V800A1088	3/4" x 3/4"	335	9.5	3.5"wc/0.87kPa	NG	Std (1)(2)(3)	

- (1) Includes one 3/4" x 1/2" and one 1/2" x 3/8" reducer bushing/adaptor
- (2) Includes Q340 (36") thermocouple with adapters
- (3) NG to LP Conversion Kit

**VS820 Millivoltage Combo**

- Provides complete control of continuous pilot gas-fired central furnaces and boilers
- Self-powered automatic control for use with 750mV thermocouple
- Includes pilot flow adjustment screw
- All adjustments and connections are accessible from top of control
- Add separate energy cutoff (ECO) where codes call for dual safety shutoff
- Complete safety shutoff on pilot flame failure
- LITE-RITE (Off-Pilot-On) lighting sequence
- Adjustable pressure regulator
- Temperature range: 32° to 175°F
- Mounting 0° to 90° in any direction from the upright position of the gas control knob, including vertically



Part #	Mfg #	Inlet/Outlet Size	Capacity cfh	Capacity m3/hr	Pressure Regulator Setting	Type of Gas	Type of Pressure Regulator	Price
006816	VS820A1047	1/2" x 3/4", 1/2" Side Outlets	250	7.1	3.5"wc/0.87kPa	NG	Std (1)	

- (1) Includes one 3/4" x 1/2" and one 1/2" x 3/8" reducer bushing/adaptor



**Gas Valves**

**SmartValve® Hot Surface Pilot Ignition Controls**

**SV9501 SmartValve® System Control**

- Provides easy field replacement of a wide range of SV9500, SV9501, SV9502, SV9601 and SV9602 SmartValve® System models
- Gas appliance manufacturers use these models in many types of gas fired heating appliances including central furnaces, residential boilers, rooftop furnaces, commercial cooking appliances and unit heaters
- Provides intermittent pilot gas ignition sequencing, pilot flame sensing, and both pilot and main gas control functions in a single control
- Ignition sequence includes timed trial for ignition
- Compatible with Q3450 or Q3480 intermittent pilot burners used with the original controls on the appliance



Part #	Mfg #	Description	Price
231871	SV9502H2522	Intermittent HSI Pilot , 1/2" x 1/2" In/Out, 3.2"wc Standard Opening, Natural Gas	
098756	SV9501M2528	Intermittent HSI Pilot , 1/2" x 1/2" In/Out, 3.5"wc Standard Opening, Natural Gas	

**SV9641 SmartValve® System Control**

- Combines gas flow control and electronic intermittent pilot sequencing functions
- Q3450 or Q3480 Pilot hardware supplies the low voltage igniter, flame sensor and pilot burner
- Communicates directly with an electronic fan timer (ST9160 for single-stage applications; ST9162 for 2-stage applications) in typical forced warm air furnace applications
- Provides pre purge, post purge, timed trial for pilot ignition, with 100% shutoff and continuous retry
- Suitable for wide range of fan assisted combustion gas-fired appliances including: furnaces, rooftop furnaces, boilers, unit heaters, infrared heaters, water heaters, and commercial cooking appliances
- Ambient temperature range: -40° to 175°F
- Diagnostic LED



Part #	Mfg #	Description	Price
144233	SV9641M4510	2-Rod Flame Sense, 3/4" NPT x 3/4" NPT Intermittent Hot Surface Pilot Ignition SmartValve®	



**Gas Valves**

**Gas Valves**

**700 24 Volt Combination Valve**

- Electrical rating: 0.18A @ 12VDC  
0.2A @ 24VAC



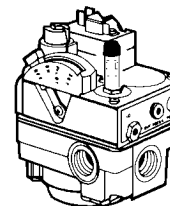
Part #	Mfg #	Inlet Size	Outlet Size	Straight Through	Side Outlet w/Plugs	Pressure Regulator Setting	Capacity	Price
058059	700-400	1/2" FPT	3/4" FPT	Yes	None	Uni-Kit	240,000	

**720 Series Dual Valve Gas Control**  
**24V Hot Surface - Intermittent Pilot Ignition**



Part #	Mfg #	Inlet Size	Outlet Size	Straight Through	Side Outlet w/Plugs	Pressure Regulator Setting	Capacity	Price
042430	720-400	1/2" FPT	3/4" FPT	Yes	None	Uni-Kit	150,000	

**24V Standing Pilot - Step-Opening w/Convertible Pressure Regulator**



Part #	Mfg #	Inlet Size	Outlet Size	Straight Through	Side Outlet w/Plugs	Pressure Regulator Setting	Capacity	Price
044307	720-474	1/2" FPT	1/2" FPT	Yes	1/2" FPT	Yes	150,000	

**Gas Valves**

**720 Series Gas Valve Uni-Kits®**

- Designed for intermittent pilot ignition applications
- 24V
- Direct spark, electronic ignition
- Valve features:
  - Manual valve
  - Pilot valve
  - (2) Dual automatic valves
  - Main gas pressure regulator



Part #	Mfg #	Inlet Size	Outlet Size	Straight Through	Side Outlet w/Plugs	Pressure Regulator Setting	Capacity	Price
044306	720-079	1/2" FPT	3/4" FPT	Yes	1/2" FPT	Uni-Kit	150,000	

**Temperature Controls**

**Ranco® A22 Series Ice Bin Cold Control**

- SPDT switch
- Dial included
- 6°F differential
- Ice bin level & harvest control
- 48" Capillary sensing element
- Normal off: 35°F, normal on: 51°F
- High-amperage contacts
- Laser-welded stainless steel elbows
- Constant on or off positions available
- Fixed or adjustable temperature settings
- 1/4" Quick-connect terminals with optional screw terminals



Part #	Mfg #	Switch	Differential	Connection	Price
239663	A22-1129	SPDT	6°F	1/4"	

**Heat Shrink Tubing**

**Heat Shrink  
Heat Shrink Tubing**



Part #	Mfg #	Description	Price
140501	455062	Assortment: (5) 1/4", (4) 3/16", & (3) 3/8"	
140612	455153	Rainbow Assortment: (5) 1/4", (4) 3/16", & (3) 3/8"	

**Igniters**

**Igniters**

**Glowfly™ Universal Hot Surface Igniter**

- Uses a 120V silicon nitride igniter design with long life and high resistance to damage or burn out in the appliance
- Kit includes specially designed silicon nitride igniter and six different bracket configurations
- Clear instructions and application templates are provided
- Replaces over 110 different models
- 3-Year warranty



Part #	Mfg #	Description	Price
126476	Q3200U1004	Glowfly™ Universal Hot Surface Igniter Kit, Pack of 1	
200822	Q3200U2002	Glowfly™ Universal Hot Surface Igniter Kit, Pack of 6	

**Q4100 Silicon Carbide Hot Surface Igniter**

- Q4100 igniters work with most configurations of element shapes, brackets, connectors, and lead wire lengths
- Honeywell igniters are made in the USA and backed by a 2-year warranty
- Temperature rating: 392 °F
- 120 Volt
- Natural LP gas



Part #	Mfg #	Description	Price
181450	Q4100C9040/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/4 in. lead lengths	
181451	Q4100C9042/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/2 in. lead lengths	
181452	Q4100C9044/U	120 Volt, Silicon Carbide Hot Surface Igniter with 6 in. lead lengths	
181453	Q4100C9046/U	120 Volt, Silicon Carbide Hot Surface Igniter with 19-1/8 in. lead lengths	
181454	Q4100C9048/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/4 in. lead lengths	
181455	Q4100C9050/U	120 Volt, Silicon Carbide Hot Surface Igniter with 11 in. lead lengths	
181456	Q4100C9052/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5 in. lead lengths	
181457	Q4100C9054/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/4 in. lead lengths	
181459	Q4100C9056/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/4 in. lead lengths	
181460	Q4100C9058/U	120 Volt, Silicon Carbide Hot Surface Igniter with 4-1/2 in. lead lengths	
181461	Q4100C9060/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/4 in. lead lengths	
181462	Q4100C9062/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/4 in. lead lengths	
181463	Q4100C9066/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/4 in. lead lengths	
181464	Q4100C9068/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-1/4 in. lead lengths	
181465	Q4100C9070/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-11/16 in. lead lengths	
181466	Q4100C9072/U	120 Volt, Silicon Carbide Hot Surface Igniter with 5-5/16 in. lead lengths	

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**Igniters**

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**Igniter Flame Rod Assembly**



- Use with SV9500, SV9600
- Field replacement for Q3450/Q3480 hot surface pilot burner

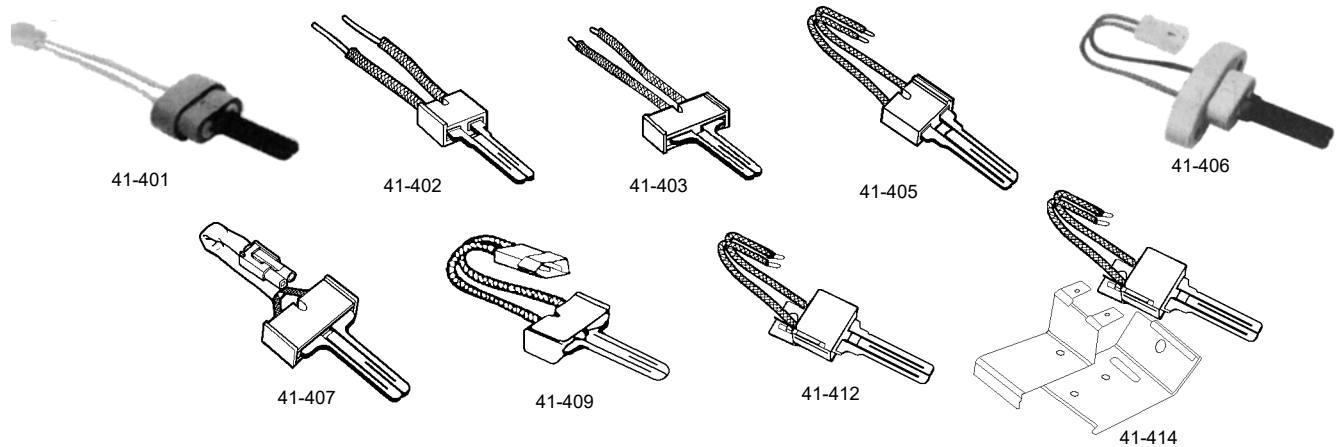
Part #	Mfg #	Description	Price
097708	Q3400A1024	30" Lead Length	

**Igniters**

**Igniters**

**41 Series Silicon Carbide Hot Surface Igniters**

- Delivers dependable ignition in heating systems of every description
- Engineered for easy handling, simple installation & trouble free operation



Part #	Mfg #	Factory Model#	Ceramic Block Style	Terminal Conn Type	Lead Wire Length	Price
044297	41-401	271A	A	A	4-1/2"	
044298	41-402	217W	B	None	19"	
044299	41-403	271	C	None	5-1/2"	
044300	41-405	2711D	D	None	5-1/2"	
044301	41-406	271Y	E	None	10-1/2"	
044302	41-407	271	C	B	4-1/2"	
044303	41-409	271	C	D	4-1/2"	
044305	41-412	271NM	F	None	5-1/4"	
045277	41-414	271NM	F	None	5-1/4"	

**Series 41-600**



Part #	Mfg #	Factory Model	Housing Length	Comments	Price
058084	41-605	601XBM +Harness & Brackets	2.5"	York Replacement Conversion Kit #473-20937-001	

**Limit Controls**

**Fan & Limit Controls**

**L4064B Combination Fan & Limit Furnace Control**

- For control of high limit and fan motor in forced air heating systems
- (3) Wiring terminal options:
  - Female receptacles for 1/4" male flange connectors
  - Push-in receptacles for stripped wire
  - Field add-on screw terminals
- Helical bimetal sensing element, high limit set @ 200°F
- Manual fan switch
- Includes jumper



Part #	Mfg #	Description	Price
006734	L4064B2210	11-1/2" Insertion, Surface-Mount	
006735	L4064B2228	5" Insertion, Surface-Mount	
006736	L4064B2236	8" Insertion, Surface-Mount	

**Oil Furnace Controls**

**Oil Primary Controls**

**R8184G Protectorelay® Oil Burner Control**

- Provides automatic, non-recycling control of an intermittent ignition oil burner system
- Low volt terminals, line volt lead wire connections and screw
- Intermittent ignition, safety switch
- 120V 60-Cycle or 110V 50-cycle
- Mount on 4" x 4" junction box or direct mount on burner housing
- With LED for lockout indication and manual trip lever on safety switch to assure burner shutdown during servicing
- C554 Cadmium Sulfide Flame Detector and 24VAC thermostat required



Part #	Mfg #	Description	Price
006771	R8184G4009	45-Second Safety Switch	

**R8184M Protectorelay® Oil Burner Control**

- Operates the oil burner and oil valve (if desired) in response to call for heat from a low voltage control circuit
- Burner mount, low volt terminals, line volt lead wire connections
- Intermittent ignition, 45-second safety switch
- 120V 60-Cycle, intermittent ignition
- 40VA Transformer for heat/cool, 0.2A thermostat current
- Use with C554



Part #	Mfg #	Description	Price
006773	R8184M1051	45 Second Safety Switch, 0.2A Anticipator Setting, Use with C554	

**R7284B Electric Oil Primary Control**

- Microprocessor oil control
- Mount onto junction box on main burner
- UL and cUL component recognized
- Burner motor, oil valve, ignition, cad cell, limit, thermostat, alarm
- Interrupted ignition type
- LED display
- 15 Second lock out



Part #	Mfg #	Description	Price
189629	R7284B1024/U	15 Second Safety Switch, -40° F to +147° F	

**RA116/RA117 Protectorelay® Oil Burner Control**

- 1-Piece, stack-mounted oil burner primary controls cycle burner on and shut down burner on flame loss or system malfunction
- 2- or 3-Wire, includes manual trip safety switch lever
- Use with line voltage or 24VAC control circuit
- RA116 - Safety switch heater energizes on flame or power failure lockout occurs if flame is not reestablished by end of safety switch timing



Part #	Mfg #	Description	Price
006764	RA116A1055	360VA, Intermittent Ignition Protectorelay	



**Oil Furnace Accessories**

**Flame Sensors**

**C554 Cadmium Sulfide Flame Detector**

- Photo conductive flame sensing device for sequencing oil burner systems

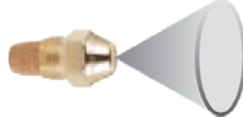


Part #	Mfg #	Description	Price
006719	C554A1463	60" Lead, A/B/E/J/P Type & Oil Line Mounting Bracket Included	

**Oil Furnace Accessories**

**Oil Burner Nozzles - Type A Red Vial**

- *Hollow cone*
- *Creates stable flame at low flows*



**60° Angle Oil Burner Nozzle - Type A**

Part #	Mfg #	GPH	Price
007771	0007560A	.75	

**70° Angle Oil Burner Nozzle - Type A**

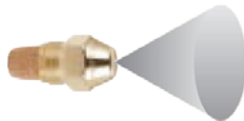
Part #	Mfg #	GPH	Price
007778	0008570A	.85	
007759	0010070A	1.00	

**80° Angle Oil Burner Nozzle - Type A**

Part #	Mfg #	GPH	Price
007779	0008580A	.85	
007761	0010080A	1.00	
007746	0011080A	1.10	
007751	0012580A	1.25	
007756	0015080A	1.50	

**Oil Burner Nozzles - Type B Blue Vial**

- *Solid cone*
- *For larger burners & where air pattern is heavy in the center or for long fires*

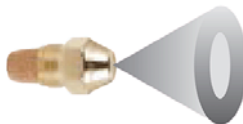


**80° Angle Oil Burner Nozzle - Type B**

Part #	Mfg #	GPH	Price
007780	0008580B	.85	

**Oil Burner Nozzles - Type W Green Vial**

- *Neither truly hollow nor solid*
- *Can be used in place of Type A or B Types in reducing specific problems*



**80° Angle Oil Burner Nozzle - Type W**

Part #	Mfg #	GPH	Price
007770	0006580W	.65	
007781	0008580W	.85	
007747	0011080W	1.10	

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## Oil Furnace Accessories

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### Fuel Filters

#### Replacement Filter Cartridge

- 10 Micron wool felt
- Center core bonded to prevent media migration



Part #	Mfg #	Description	Price
004856	1A-30	Wool Felt - for Filter 1A-25A	

**Pilot Assemblies**

**Pilot Burners**

**Q314 Pilot Burner**

- Non-primary aerated, insert orifice-type, for main burner ignition with Q340 or Q390 thermocouple for Pilotstat safety control operation
- Use with Q313 Thermopile generator for 750mV power pile applications
- Includes natural gas and LP orifice
- Compression fitting size: 1/4"
- Special mounting bracket with screws for converting "B" bracket to "A"



Part #	Mfg #	Description	Price
006748	Q314A4586	B Bracket, BCR-18/BCR-10 Orifice, Single (F) Front Tip	
037901	Q314A6094	B Bracket, BCR-18 Orifice, Single (L) Left Front Tip	
037902	Q314A6102	B Bracket, BCR-18 Orifice, Single (K) Right Front Tip	

**Q327A Standing Pilot Burner**

- Variety of mounting brackets available
- Variety of tip styles to provide desired flame pattern
- Interchangeable, color-coded orifices can be ordered to convert between natural and LP gas
- Batwing tip style



Part #	Mfg #	Description	Price
006749	Q327A-1626	A26 and K14 Orifices, For Standing Pilot Applications	

## Pressure Regulators

### Gas Appliance Pressure Regulators

- Gasses: natural, manufactured, mixed, liquefied, petroleum and LP gas-air mixtures
- Corrosion-resistant construction

#### 325-3 Lever Acting Pressure Regulator

- Self-aligning valve with lever action for dead end lockup
- Multi-poise mounting
- Maximum individual load: 100,000 BTUH
- Capacity: 150,000 BTUH
- Vent pipe connection: 1/8" NPT



Part #	Mfg #	Description	Price
124028	325-3L12	1/2" Line Reg with 12A09	
079070	325-3L48-44	1/2" Line Reg with 12A09	

#### 325-5A Lever Acting Pressure Regulator

- Self-aligning valve with lever action for dead end lockup
- Maximum individual load: 250,000 BTUH
- Capacity: 300,000 BTUH
- Vent pipe connection: 3/8" NPT
- Multi-poise mounting



Part #	Mfg #	Description	Price
138743	325-5L48	1/2" Line Reg with 12A39 & OPD 48 Installed	
113435	325-5L48	3/4" Line Reg with 12A39 & OPD 48 Installed	
078926	325-5L600	3/4" Line Reg with 12A39 & OPD 600 Installed	
118426	325-5L34	3/4" Line Reg with 12A39 Installed	
124030	325-5L1	1" Line Reg with 12A39 Installed	
138744	325-5L600	1" Line Reg with 12A39 & OPD 600 Installed	

#### 325-5L Lever Acting Pressure Regulator

- High leverage linkage assembly to deliver positive dead-end lockup
- Maximum individual load: 425,000 BTUH
- Capacity: 600,000 BTUH
- Multi-positional mounting



Part #	Mfg #	Description	Price
214294	325-5L12	1/2" w/ Vent Limiter 425 CFH w/v Limiter	

### Gas Appliance Pressure Regulators (Continued)

#### 325-5L Lever Acting Pressure Regulator

Part #	Mfg #	Description	Price
214291	325-5L34	3/4" w/ Vent Limiter 425 CFH w/v Limiter	
214580	325-5L1	1" w/ Vent Limiter 425 CFH w/v Limiter	

#### 325-7 Lever Acting Pressure Regulator

- Self-aligning valve with lever action for dead end lockup
- Maximum individual load: 1,250,000 BTUH
- Capacity: 1,250,000 BTUH
- Vent pipe connection: 1/2" NPT
- Multi-poise mounting



Part #	Mfg #	Description	Price
086239	325-7AL	1-1/4" Line Press Rated Reg with 12A49 Installed	
075957	325-7AL 1-1/2	1-1/2" Line Press Reg Cert. to 2PSI Ansi Z21.80	

### Gas Appliance Pressure Regulators Accessories

#### Vent Limiting Means

- Automatic vent limiting device
- When using, regulator must be mounted in horizontal upright position
- 12A04 - IAS Certified for 14" wc and European approval, use on RV48, RV52, RV53, RV61



Part #	Mfg #	Description	Price
134390	12A49	For use with 325-7AL	
150323	12A09	For use with 325-3 and 325-3L	

#### Vent Protector

- Designed for outdoor applications
- Protect breather hole from outside elements
- Must be mounted in upright position
- 13A15 - Use in 325-3, 325-3L
- 13A15-5 - Use in 325-5A, 325-5AL



Part #	Mfg #	Description	Price
071088	13A15	For 1/8" NPT Vent	
152096	13A155	For 3/8" NPT Vent	

**Pressure Regulators**

**Gas Appliance Pressure Regulators  
Accessories (Continued)**

**Vent Protector**

Part #	Mfg #	Description	Price
145637	13A25	For 1/2" NPT Vent	

**Maxitrol® Maxicap**

- Rain and bug shield for regulators
- Rubber



Part #	Mfg #	Description	Price
041419	MAXICAP-3R	For 325-3 and 3R Series	
098862	MAXICAP-5R	For 325-3	

## Relays

### Relays

#### General Purpose Relay



- Provides general purpose switching for refrigeration and air conditioning equipment, appliances, vending machines, etc
- 50/60Hz

Part #	Mfg #	Description	Price
006769	R4222D1013	DPDT 120V General Purpose, 1 - 6 Power Poles	
006774	R8222B1067	SPDT 24V General Purpose, Double Quick Connect, 1 - 3 Power Poles	
006775	R8222D1014	DPDT 24V General Purpose, Double Quick Connect, 1 - 6 Power Poles	

### Hydronic Switching Relays

#### R8845 Universal Hydronic Switching Relay



- Enclosed switching relay with internal 24V transformer
- (2) SPST, Plus PowerPile® rated low voltage SPST relay (if normally closed contacts are needed, use RA889A)
- Replaces Honeywell models: R182A,B,C,J; R482A,B,C,J; R845; R882A,B,C,J and RA832

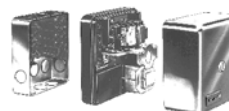
Part #	Mfg #	Description	Price
135224	R8845U1003	Intermediate Switching of Line and Low Voltage Devices from a Line or Low Voltage Controller	

### Hydronic Switching Relay

- Provides intermediate switching of line voltage device from low voltage controller
- Integral transformer provides low voltage power for control circuit
- Provides DPST switching for hot water zone control systems, or SPST control of two separate loads
- Color-coded lead wire for easier wiring
- 50/60Hz



RA89



RA832



R845

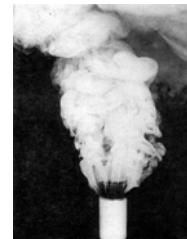
Part #	Mfg #	Description	Price
006767	RA89A1074	SPST 120V Enclosed 2-Wire for 1-Line Voltage Load	
006766	RA832A1066	DPST 120V Enclosed 2-Wire for 2-Line Voltage Loads	
030533	RA832A1074	DPST 240V Enclosed 2-Wire for 2-Line Voltage Loads	
033261	R845A1030	DPST 120V for Hot Water Zone Control Systems, 2-Wire for 2-Line Voltage Loads	

**Smoke Bombs**

**Smoke Testers**

**Smoke Bomb**

- *Emits dense oil-free non-toxic smoke*
- *Easily locates leaks in furnaces and ductwork*
- *Non-explosive, packaged in sealed capsules*



Part #	Mfg #	Description	Price
135427	0119	2,500 Cu/Ft, 4 Min Burn	



**Spades & Other Electrical Connectors**

**Motor Accessories**

**Wiring Harness**

- Use with Copeland Compressor with Molded Plug Connections



Part #	Mfg #	Description	Price
140578	45-100834-80	Bulk Pack (25/Case)	

**Terminals & Connectors**

**Ring Flag Terminal**

- 50/Pk



Part #	Mfg #	AWG	Connector Type	Size	Price
140452	455011	16-14	Ring Terminal	#10 Stud	

**Quick Connect Flag Terminal**

- 50/Pk



Part #	Mfg #	AWG	Connector Type	Size	Price
140454	455014	16-14	Quick Connect	1/4" FIP	

**Quick Connect Compressor Terminal**

- 50/Pk



Part #	Mfg #	AWG	Connector Type	Size	Price
140455	455015	12-8	Compressor Terminal	1/4" FIP	

**Quick Connect to Stud Adapter**

- 50/Pk
- Uninsulated



Part #	Mfg #	Tab Size	Terminal Size	Price
140458	455018	1/4"	#10 Stud	

**Quick Connect Spade Adapter**

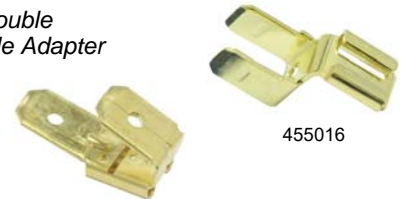
- Female to double male (Flat Style)
- 50/Pk
- Uninsulated



Part #	Mfg #	Tab Size	Tab Type	Price
140459	455019	1/4"	Female	

**Quick Connect Adapter**

- .296 Chair Gold Double Male/Single Female Adapter
- 50/Pk



455017

455016

Part #	Mfg #	Description	Price
140456	455016	Chair Style	
140457	455017	Piggyback Style	

**Insulated Quick Connect**



455045

Part #	Mfg #	AWG	Color	Tab Size	Pk	Price
140482	455043	22-18	Red	1/4"	50	
140483	455045	16-14	Blue	1/4"	100	
140484	455046	16-14	Blue	1/4"	50	
140485	455047	16-14	Blue	1/4"	100	
140486	455048	16-14	Blue	1/4"	50	
140488	455049	12-10	Yellow	1/4"	100	
140489	455050	12-10	Yellow	1/4"	50	
140564	455091	16-14	Blue	3/16"	15	
140565	455092	16-14	Blue	1/4"	15	
140566	455093	12-10	Yellow	1/4"	15	
140611	455152	22-18	Red	1/4"	50	
140562	455089	12-10	N/A	1/4"	25	

**With Piggyback**



Part #	Mfg #	AWG	Color	Tab Size	Pk	Price
140492	455052	16-14	Blue	1/4"	50	

**Spades & Other Electrical Connectors**

**Fully Insulated Quick Connect**



Part #	Mfg #	AWG	Color	Tab Size	Pk	Price
140493	455053	16-14	Blue	1/4"	100	
140603	455144	12-10	Yellow	1/4"	50	
140604	455145	16-14	Blue	1/4"	100	
140628	455170	16-14	Blue	1/4"	20	

**Twist-On Plastic Wire Connector**



Part #	Mfg #	AWG	Color	Pk	Price
140622	455163	22-14	Blue	1000	
140517	PD455075	22-14	Blue	50	
140567	455094	22-14	Blue	15	
140631	455173	22-14	Orange	50	
140627	455169	18-12	Yellow	100	
179414	PD455633	22-14	Blue	50	
179413	PD455632	22-14	Orange	50	

**Closed Connector**



Part #	Mfg #	AWG	Color	Pk	Price
140460	455020	22-14	Clear	50	
140461	455021	12-10	Clear	25	

**Uninsulated Butt Connectors**



Part #	Mfg #	AWG	Color	Pk	Price
140608	455149	16-14	SS	50	

**Insulated Butt Connectors**



Part #	Mfg #	AWG	Color	Pk	Price
140478	455038	22-18	Red	100	
140479	455039	16-14	Blue	100	
140480	455040	16-14	Blue	50	
140481	455042	12-10	Yellow	50	
140518	455076	22-18	Red	15	
140520	455078	16-14	Blue	15	
140563	455090	12-10	Yellow	15	
140630	455172	12-10	Yellow	100	

**Ring Terminal**



Part #	Mfg #	AWG	Size	Pk	Price
140451	455010	8	1/4" Stud	25	
140521	455080	16-14	#10 Stud	50	

**Insulated Ring Terminal**



Part #	Mfg #	AWG	Color	Size	Pk	Price
140463	455024	16-14	Blue	#6	100	
140464	455025	16-14	Blue	#6	50	
140465	455026	16-14	Blue	#10	100	
140466	455027	16-14	Blue	#10	50	
140469	455030	12-10	Yellow	#10	100	
140470	455031	12-10	Yellow	#10	50	
140471	455032	12-10	Yellow	5/16"	50	
140472	455033	8	Red	#10	50	
140605	455146	8	Red	1/4"	50	
140606	455147	8	Red	1/4"	25	
140607	455148	12-10	Yellow	1/4"	100	
140613	455154	16-14	Blue	#8	19	
140614	455155	16-14	Blue	1/4"	100	

**Spades & Other Electrical Connectors**

**Insulated Spade Terminal**



Part #	Mfg #	AWG	Color	Size	Pk	Price
140516	455074	16-14	Blue	#8	50	
140474	455034	16-14	Blue	#8	15	
140475	455035	16-14	Blue	#10	100	
140476	455036	12-10	Yellow	#8	25	
140477	PD455037	12-10	Yellow	#10	25	

**Compressor Lead Set**



Part #	Mfg #	AWG	Ring Size	Butt Size	Price
140498	455059	10	#10	10"	

**Strip-Tie**



Part #	Mfg #	Length	Width	Max Dia	Pk	Price
140467	455028	12"	3/4"	3"	Black	
140468	455029	12"	3/4"	3"	Yellow	

**Motor Hook-Up Wire**



Part #	Mfg #	AWG	Length	Color	Price
140522	455081	10	8'	Black	
140600	455141	10	8'	Blue	
179378	PD455082	10	8'	Red	
140601	455142	10	8'	White	
140556	455083	12	12'	Black	
140597	455138	12	12'	Blue	
140557	455084	12	12'	Red	

**Terminals & Connectors (Continued)**

**Motor Hook-Up Wire**

Part #	Mfg #	AWG	Length	Color	Price
140598	455139	12	12'	White	
140558	455085	14	15'	Black	
140595	455136	14	15'	Blue	
140599	455140	14	15'	Green	
140559	455086	14	15'	Red	
140596	455137	14	15'	White	
140560	455087	16	16'	Black	
140561	455088	16	16'	Red	
140594	455135	16	16'	White	

**Metal Box for Electrical Connectors**

- 14"x9-1/4"x2"



Part #	Mfg #	Description	Price
140616	455157	21 Compartment	

**Spades & Other Electrical Connectors**

**Terminal Kits**  
**Serviceman's Terminal Kit**

- *Consists of 175 assorted insulated and non-insulated items that are often used to service air conditioning, refrigeration and cooling units*



Part #	Mfg #	Description	Price
111395	MA02652-2	Heavy-Duty Molded Plastic Case	




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## Spades & Other Electrical Connectors

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### Terminals & Connectors Connector Kit

Part #	Mfg #	Description	Price
140444	86-6966F-1PK	665-Piece Professional HVAC Connector Kit	

### Terminal

Part #	Mfg #	Description	Price
092116	86-QT2910	Qwiklug Terminal Repair Kit	

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## Temporary Construction Thermostats

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### Thermostats

#### Temporary Construction Thermostat

- *Low cost*
- *Mercury-free and non-adjustable*
- *Rugged construction is not effected by heat, moisture, paint and drywall dust*



Part #	Mfg #	Description	Price
034003	20064	TS-60, 60°F, Heat Only	
034004	20065	TS-65, 65°F, Heat Only	
034005	20066	TS-70, 70°F, Heat Only	

**Temporary Construction Thermostats**

**T812 Low Voltage Control Thermostats**

- Snap-acting, bi-metal switch less mercury and requires no leveling
- For low voltage control of single-stage heating, cooling or heating/cooling systems
- Includes dealer logo pocket
- Switch type: snap-acting
- Electrical ratings: 18 to 30VAC
- Setting temperature change: 50° to 90°F
- Dimensions: 3-1/8"H x 3-1/8"W x 7/8"D
- Mounting: square



Part #	Mfg #	Application	Switching Action	Terminal Designations	Color	Price
101204	T812A1002	Heat Only	SPST	W,R	White	

## Thermocouples

### Power Generators

#### Q313 Replacement Thermopile Generator

- Provides power for a millivoltage, self-powered control system
- Includes spade terminals
- Use with Q314, Q324, Q327, Q377, Q379 and Q382 pilot burners



Part #	Mfg #	Description	Price
006746	Q313A1139	600-750mV Replacement Thermopile Generator, 35" Lead, Push-in Clip	
006747	Q313A1170	600-750mV Replacement Thermopile Generator, 35" Lead, PG9 Adapter	

### Thermocouples

#### Q340 Universal 30 mV Thermocouple

- Includes push-in clip, split nut and adapter assembly for easy pilot burner installation
- Male nut connector for Pilotstat™ safety control power units



Part #	Mfg #	Description	Connection	Price
006750	Q340A1066	18" Lead	11/32"-32 Male Connector Nut	
006751	Q340A1074	24" Lead	11/32"-32 Male Connector Nut	
006752	Q340A1082	30" Lead	11/32"-32 Male Connector Nut	
006753	Q340A1090	36" Lead	11/32"-32 Male Connector Nut	
006754	Q340A1108	48" Lead	11/32"-32 Male Connector Nut	

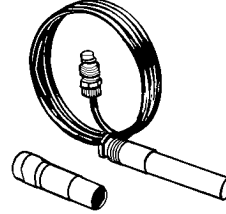


## Thermocouples

### Thermocouples & Pilots

#### 1951 Thermopile

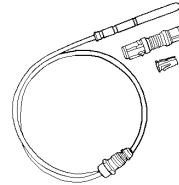
- Designed for use on self-powered gas control systems
- Easy burner installation with attached threaded nut
- Stainless steel outer jacket for long life and resistance to heat blistering
- Combination of copper and nickel alloys for good electrical conductivity
- Mica washer to insulate from shorting conditions
- Various lengths available for multiple applications



Part #	Mfg #	Length	Includes PG 9Pilot Adapter	Connection Type	Price
044312	1951-536	36"	Yes	Coaxial	

#### 1980 Snap-Fit™ Thermocouple

- Offers easy installation into the majority of pilot burners



Part #	Mfg #	Length	Price
044326	1980-018	18"	
044329	1980-036	36"	

**Thermocouples**

**Thermocouples**

**K16 Series - "Husky™" High Performance Thermocouple**

- Heavy-duty
- Millivolt range: 25 - 35 mV
- Replaces BASO 17D, 50, 58D, 87D, 88D, 97D, 107D, & K15DA thermocouples



Part #	Mfg #	Length	Carton Quantity	Price
074880	K16FA-36	36"	10	

**Thermostats**

**Non-Programmable Thermostats**

**T87K, T87N Non-Programmable Thermostats - The Round®**

- Mercury free
- Provides electronic control of 24VAC heating and cooling systems
- Separate temperature setting and thermometer
- Classic twist dial
- Manual changeover
- Battery assisted power stealing
- Setting temperature range: 40° to 90°F
- Premier White®



T87K1007



T87N1000



T87N1026

Part #	Mfg #	Application	Terminal Designations	Dimensions	Price
099889	T87K1007	Heat Only	R,W,Y	3-11/16" Dia x 1-3/4"D	
096104	T87N1000	1 Heat/1 Cool Conv & Heat Pump	R,Rc,W,Y,G,O,B	3-11/16" Dia x 1-3/4"D	
099891	T87N1026	1 Heat/1 Cool Conv & Heat Pump*	R,Rc,W,Y,G,O,B	4" Dia x 1-3/4"D	

\* EASY-TO-SEE Model with large raised markings & click at each 2° set point change, includes 6" cover ring & switch position labels

**T822K, T827K Econostat Heat Only Non-Programmable Thermostats**

- Mercury free
- 24VAC Control of single stage low voltage heating systems
- Vented cover for improved temperature sensing
- Coiled bi-metal element operates mercury switch
- Mounts vertically directly on the wall or on vertical outlet box
- Precision snap action switch
- Dimensions: 4-3/4"H x 2-7/8"W x 1-3/8"D
- Premier White®



Part #	Mfg #	Application	Switching Action	Setting Temp Range	Terminal Designations	Description	Price
124832	T822K1042	1 Heat	SPST	35° - 85°F	R,W	Heat-Off	

## Thermostats

### T8775 The Digital Round™ Electronic Non-Programmable Thermostats

- Attractive styling complements any decor
- Large easy-to-read display - the temperature reading is easily seen from a distance
- Backlit display
- No batteries required - the set point temperature is held permanently in memory in the event of a power failure.
- Powered through heating-cooling system controls
- 24VAC Gas or oil
- System and fan switches on the T8775C model
- Manual changeover from heat to cool on T8775C model
- Easy installation and set up
- Easily configurable by the use of DIP switches
- Fahrenheit or Celsius temperature
- Selectable heating cycle rates (1, 3, 6, 9 CPH) for a variety of applications
- Cooling cycle rate is fixed at 3 CPH (standard compressor setting)
- Minimum off-time for the compressor in the cooling mode. Protects and extends the life of the equipment
- Decorative cover plate is available to cover marks on the wall or to mount the T8775 Thermostat to an electrical box
- Premier White®



T8775A



T8775C

Part #	Mfg #	Application	Terminal Designations	Notes:	Price
099892	T8775A1009	1-Stage Heat Only, Gas or Oil; 2-Wire	R,Rc,W,Y,G,O,B		
074622	T8775C1005	1 Heat/1 Cool Heat Pump, No Aux Heat	R,Rc,W,Y,G,O,B	Manual Changeover	

### FocusPRO® 5000 Non-Programmable Digital Thermostats

- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Clear back light display available with large (2.98 sq in) or standard (1.95 sq in) screen
- Precise comfort control +/- 1°F of your set temperature
- Temperature control range stops
- Soft-key, simplified controls
- Easy change battery door - flips out without disassembling thermostat
- Automatic/manual selectable changeover
- Dual-powered, battery or hardwired
- Built-in compressor protection: minimum-off timer protects compressor from restarting too early after a shutdown
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-7/16"H x 4-1/2"W x 1-5/16"D
- Premier White®



Standard Display



Large Display

Part #	Mfg #	Application	Terminal Designations	Screen	Price
079592	TH5110D1006	1 Heat/1 Cool	R,Rc,C,W(O/B),Y,G	Standard	
079593	TH5110D1022	1 Heat/1Cool	R, Rc, C, W(O/B), Y, G	Standard	
084587	TH5220D1003	2H/2C Conv, 2H/1C Heat Pump	Rc,R,W(O/B),W2(AUX),Y,Y2,(E),G,L,C	Standard	
098663	TH5220D1029	2H/2C Conv, 2H/1C Heat Pump	R,Rc,W(O/B),W2 (AUX),Y,Y2,(E),G,L,C	Large	
105599	TH5320U1001	2H/2C Conv, 3H/2C Heat Pump	R,Rc,W(O/B),W2(AUX/E),Y,Y2,G,L,C	Large	

**Thermostats**

**PRO® 3000 Basic Non-Programmable Digital Thermostats**

- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Digital back light display - both current and set temperature are easy to read
- Precise comfort control (+/- 1°F)
- Easy slide switches allow selection of heat or cool mode and fan operation
- Manual changeover
- Dual-powered, battery or hardwired
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-13/16"H x 5-3/8"W x 1-1/4"D
- Premier White®



Part #	Mfg #	Application	Terminal Designations	Price
104606	TH3110D1008	1 Heat/ 1 Cool Conventional & Heat Pump	R,Rc,W,Y,G,O,B,C	
186398	TH3210D1004	Up to 2 Heat/ 1 Cool Heat Pump Systems	R, Y, AUX, E, G, O, B, L, C	

**PRO® 1000 Builder Series Non-Programmable Digital Thermostats**

- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Perfect for multi-family housing developments or apartment complexes
- Clear, back light digital display
- Manual changeover
- Simple-set programming
- Dual-powered, battery or hardwired
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 4-11/16"H x 2-7/8"W x 1-1/8"D
- Premier White®



Part #	Mfg #	Application	Mount	Terminal Designations	Price
162924	TH1100DV1000	Heat Only	Vertical	R, C, W	

**PRO 1000 Vertical Non-Programmable Thermostat**

- Vertical mount
- Switch positions: HEAT-OFF-COOL
- Dual Powered: Battery or Hardware
- Terminal Designations: R, RC, C, W, Y, G, O, B
- Manual changeover



Part #	Mfg #	Description	Price
211713	TH1110DV1009	1H/1C Conventional, Heat Pumps with No Auxiliary Heat	

## Thermostats

### Low Volt Electric Heating (Ambient and Floor) Non-Programmable Manual Thermostat

- Three choices of temperature control in a single thermostat (Ambient, Floor, or Ambient with Floor temperature limits)
- 5 mA ground fault circuit interrupter (GFCI) on GA models
- 15 mA equipment ground fault protection devices (EGFPD) on GB models
- GFCI and EGFPD test light verifies safety control is functioning properly and alerts if a leak is detected
- Advanced temperature control ensures total comfort by minimizing temperature swings
- ON/STANDBY switch enables thermostat shutdown at the end of heating season for added security
- On-screen heating power indicator gives at-a-glance verification of power being used
- Backlit display
- Battery-free



Part #	Mfg #	Description	Price
129145	TH114-AF-024T/U	Easy-to-read backlit display, slim contemporary design and precise temp control	

### Programmable Thermostats

#### Lyric Wi-Fi Thermostat

- Remote Access
- Lyric App allows you to control with your smart phone or tablet
- Geofence control for savings when you're away and comfort when you're home
- Fine Tune temperature control
- Smart Cues for system information and recommendations
- Programmable with Geofencing
- Hardwired, battery back-up, power transformation



Part #	Mfg #	Description	Price
223085	TH8732WFH5002	3 Heat/2 Cool Heat Pumps; Up to 2 Heat/2 Cool Conventional Systems	

#### Lyric™ T6 Pro Wi-Fi Thermostat

- Stages: up to 3 heat/2 cool heat pumps and 2 heat/2 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter, small decorative plate, screws and anchors, installation guide, and user guide
- Programmability: 7 day, 5-1-1 day, 5-2 day, 1-week or non-programmable
- Geofence technology
- Optional wired indoor/outdoor sensors
- Electrical ratings & supply voltage: 20 to 30 vac
- Integrates with smart home Apple HomeKit and Amazon Alexa
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
228228	TH6320WF2003	3 Heat/2 Cool Heat Pumps; Up to 2 Heat/2 Cool Conventional Systems	

**Thermostats**

**FocusPRO® 6000 5+2 or 5+1+1 Day Programmable Digital Thermostats**

- Selectable to 5-1-1 (weekdays, Saturday, Sunday) or 5-2 (weekdays, weekend) programmable thermostat
- Large, clear, back light display - easy to read in various lighting conditions
- Display size options - available in large screen or standard
- Precise comfort control (+/- 1°F) - maintains consistent comfort to the highest level of accuracy
- Simplified programming and operation
- Easy change battery door - flips out without disassembling thermostat
- Built in instructions - simple, pull out instruction manual
- Adaptive Intelligent Recovery™ - ensures programmed temperature is reached by programmed time
- Temperature range stops - prevents user from setting the temperature too high or too low
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-9/16"H x 5-13/16"W x 1-1/2"D
- Premier White®
- 5-Year warranty



Large Display

Part #	Mfg #	Application	Terminal Designations	Screen	Price
084585	TH6110D1005	1 Heat/1 Cool	Rc,R,W(O/B),C,Y,G	Standard	
086938	TH6110D1021	1 Heat/1 Cool	Rc,R,W(O/B),C,Y,G	Large	
084586	TH6220D1002	2H/2C Conv, 2H/1C Heat Pump	Rc,R,W(O/B),W2(AUX),Y,Y2(E),G,L,C	Standard	
173731	TH6220D1028	2H/2C Conv, 2H/1C Heat Pump	R, RC, C, W(O/B), G, Y, W2(AUX, E, Y2-L	Standard	
135014	TH6320U1000	2H/2C Conv, 3H/2C Heat Pump	Rc,R,W(O/B),W2(AUX/E),Y,Y2,G,L,C	Large	

**VisionPRO® 8000 Universal Touchscreen 7-Day Programmable Thermostats**

- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Universal system compatibility, heating only or heating and cooling; conventional or heat pump systems
- Large back light on-screen menu
- Ability to select multiple days
- Real-time clock
- Armchair programming - allows you to remove thermostat from wall to set the schedule
- Multiple HOLD, lockout options
- Adaptive Intelligent Recovery™
- Programmable fan
- Auto or manual changeover
- Dual-powered, battery or hardwired
- Change reminders - reminds you to service or replace the air filter, humidifier pad, ultraviolet lamp or thermostat batteries
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Horizontal mounting, dimensions: 4-9/16"H x 6"W x 1-1/4"D
- Premier White®
- 5-Year warranty



Part #	Mfg #	Application	Terminal Designations	Notes:	Price
155766	TH8321R1001	3H/2C Heat Pump, 2H/2C Conv	R,RC,W,(O/B),W2(AUX),Y,Y2,L*,E,G,C,S1,S2	Dehumidity Control	
155765	TH8320R1003	3H/2C Heat Pump, 2H/2C Conv	R,RC,C,W-O/B,W2-AUX/E,Y,Y2,G,A-L/A,K,S1		



**Thermostats**

**Programmable Thermostats (Continued)**

**VisionPRO® 8000 Universal Touchscreen 7-Day Programmable Thermostats**

Part #	Mfg #	Application	Terminal Designations	Notes:	Price
181757	TH8321WF1001	3H/2C Heat Pump, 2H/2C Conv	R,RC,W,(O/B),W2(AUX),Y,Y2,L*,E,G,C,S1,S2		

\* The L terminal is an input or output

**VisionPRO® 8000 with RedLINK™ Technology**

- Thermostat works standalone or with the THM5421R1021 Equipment Interface Module or with the TrueZONE Wireless Adapter
- Smart Schedule - programs in seconds for any lifestyle
- Patented interview based programming and installer setup
- RedLINK™ wireless communication
- Customizable service reminders allow dealers to remind their customers when its time to call for service, when their warranty is expiring and to provide customized alerts.
- MicroSD port for copying the installer setup, customizable reminders, custom events and holidays to multiple thermostats.
- 1 assignable output on the TH8321 model to control humidification, dehumidification, ventilation or a stage of heating/cooling.
- 3 assignable outputs on the Equipment Interface Module to control humidification, dehumidification, ventilation or a stage of heating/cooling  
The TH8110 and TH8320 models require the use of a wireless indoor sensor to control humidification and dehumidification
- 1 assignable input can be used with a wired outdoor, indoor or discharge sensor
- 4 assignable inputs on the Equipment Interface Module can be used with wired outdoor, indoor or discharge sensors, occupancy sensor for remote setback and dry contact devices to trip pre-packaged or custom alerts such as a full drain pan or water leak
- Extend wireless range of the Equipment Interface Module by connecting a THM4000R1000 Wireless Adapter to the ABCD terminals
- Dual powered - battery or hardwired (C wire)
- Precise temperature control (+/- 1° F) for reliable and consistent temperature
- Multiple staging options to provide comfort or energy savings



Part #	Mfg #	Application	Terminal Designations	Notes:	Price
155764	TH8110R1008	1H/1C Conv and Heat Pump	R, RC, C, W-O/B, Y, G, K, S1 S1		

**VisionPRO® 8000 with RedLINK™ Technology - Kit**

- Includes:
  - RedLINK™ Internet Gateway
  - Portable Comfort Control
  - Wireless Outdoor Sensor
  - Wireless Indoor Sensor
  - Wireless Entry/Exit Remote
  - Wireless Vent
  - Filter Boost Remote



Part #	Mfg #	Description	Price
173007	YTH8321R1002/U	3H/2C Heat Pump, 2H/2C Conv R,RC,C,W-O/B,W2-AUX/E,Y.Y2,G,A-L/A,K,U1,S1	



**Thermostats**

**LineVolt™ TH450/U Electric Manual Thermostat**

- Electric heating, baseboard heater, convector or fan-forced heater
- Battery-free, min & max temperature locks
- Minimum Load: 1.25 A (resistive only) 300 W @240 Vac, 150 W @ 120 Vac, Maximum Load: 16.7 A (resistive only), 4000 W @ 240 Vac, 2000 W @ 120 Vac
- Temp range: 40 F to 85



Part #	Mfg #	Description	Price
181190	TH450/U	Line Voltage T-Stat, Non-Programmable	

**T6 Pro Series Programmable Thermostat**

- 24 Vac systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems
- Includes:
  - Thermostat
  - UWP mounting system
  - Installation (J-box) adaptor
  - Small decorative cover plate
  - Screws and anchors
  - Installation Guide & User Guides
  - 2 AA Batteries



Part #	Mfg #	Description	Price
228229	TH6320U2008/U	Up to 3 Heat/2 Cool Heat Pumps; Up to 2 Heat/2 Cool Conventional Systems	
228231	TH6210U2001/U	Up to 2 Heat/1 Cool Heat Pumps; Up to 1 Heat/1 Cool Conventional Systems	
228230	TH6220U2000/U	Up to 2 Heat/1 Cool Heat Pumps; Up to 2 Heat/2 Cool Conventional Systems	

**PRO® 4000 5+2 Day Programmable Digital Thermostats**

- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Weekday/weekend programming to fit your lifestyle
- Clear, back light display
- Precise comfort control +/- 1°F of your set temperature
- Easy slide switches allow selection of heat or cool mode, and fan operation
- Dual-powered, battery or hardwired
- Manual changeover
- Built-in instructions - simple, pull out instruction manual
- Adaptive Intelligent Recovery™ - ensures programmed temperature is reached by programmed time
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-13/16"H x 5-3/8"W x 1-1/4"D
- Premier White®



Part #	Mfg #	Application	Terminal Designations	Price
096358	TH4110D1007	1 Heat/1 Cool Conv & Heat Pump	Rc,R,W,Y,G,O,B,C	
199720	TH4210D1005	2 Heat/1 Cool Heat Pump	R, Y, AUX, E, G, O, B, L, C	

**Thermostats**

**LineVoltPro™ 8000 Programmable Electric Heat Only Thermostats**

- Use for electric baseboards, convectors and fan forced heaters (resistive rated loads)
- 7-Day preprogrammed schedule or modify programming to suit your lifestyle
- On-demand back light
- On/off switch and visible heat indicator
- Electrical rating: 15.0A
- 4-Wire/DPST Switching action



Part #	Mfg #	Description	Price
144533	TL8230A1003	7-Day Programmable Electric Heat, Premier White®	

**Thermostat Accessories**

**Cover Plate Assembly For Use With Lyric T6 Pro, T6 Pro, T4 Pro, and T1 Pro Thermostats**

- 6-7/64" x 6-7/64"
- Square mounting with two screw holes
- Includes small & large cover plate, one bracket & mounting hardware
- Use to cover marks on wall or mount thermostat to a 2" x 4" electrical box

Part #	Mfg #	Description	Price
232739	THP2400A1068	Cover Plate Assembly	

**Universal Thermostat Guard**

- Tamper-resistant lock; key cannot be removed unless in locked position
- Vents in guard base allow airflow



TG511A /TG512A

Part #	Mfg #	Description	Price
006787	TG511A1000	Fits Series TH3000, TH4000, TH5000, TH6000, TH8000 & Similar 6-1/2"H x 7-1/2"W x 2-15/16"D	
006788	TG512A1009	Fits Series TH5000, TH6000, TH8000 & Most Electronic Thermostats 7-1/4"H x 9-3/4"W x 3-3/8"D	

**Coverplate Assembly for Prestige® 2-Wire IAQ Thermostat**

- Use to cover marks on the wall or to mount the thermostat to a 2 in. X 4 in. electrical box. Includes a small and large cover plate, one bracket and mounting hardware

Part #	Mfg #	Description	Price
209854	THP2400A1027W	Used with: THX9421R5021WW Prestige® 2-Wire IAQ Thermostat	

**Thermostats**

**Coverplate Assembly for VisionPRO® Series Thermostats**

- 7-7/8" x 5-1/2"
- Premium White®



Part #	Mfg #	Description	Price
078078	32003796-001	Used with: TH8000 VisionPRO® Series Thermostats	

**Wall Plate for 8000 Series Thermostat**

- Includes bracket and mounting hardware
- Use to cover marks on wall or mount thermostat to a 2" x 4" electrical box



Part #	Mfg #	Description	Price
170430	THP2400A1019/U	Wall Plate for 8000 Series Thermostat	

**Wireless Thermostat Systems**

**Prestige® IAQ Comfort System**

- 4 Heat/2 cool heat pump or up to 3 heat/2 cool conventional
- Powered by RedLINK™ reliability
- Wireless outdoor sensor
- Large back-lit color display shows current indoor temperature, humidity, temperature setting, date and time on the home screen (also displays outdoor temperature and humidity on home screen if wireless outdoor sensor is installed)
- Automatic daylight savings update
- Auto or manual changeover
- Change reminders for air filter, humidifier pad, ultraviolet bulb or batteries in connected devices
- 7-Day multiple day programming or non-programmable
- Humidity and dehumidity control
- 18 to 30VAC
- Arctic white



Part #	Mfg #	Description	Price
155759	YTHX9421R5101W	Prestige HD IAQ Thermostat, Equipment Interface Module	
155758	YTHX9421R5085W	Prestige HD IAQ Thermostat, 2-Wire Comfort System Kit White Front/White Sides	
174482	YTHX9421R5085W	Prestige HD IAQ Thermostat, 2-Wire Comfort System Kit White Front/Gray Sides	
155761	THX9421R5021WW	Prestige HD IAQ Kit, w/ 2 Sensor 7-Day Programmable	
223119	YTHX9421R5127W	Prestige HD IAQ Kit, w/ RedLINK, 2-Wire Touchscreen, Interface Module, & Return Sensors	

## Thermostats

### Honeywell IAQ Equipment Interface Module

- 4 Sensor inputs for wired sensors or dry contact devices
- 3 Sets of IAQ contacts to control humidification, dehumidification, and ventilation
- Used with all versions of Prestige IAQ thermostats and RedLINK™ VisionPRO thermostats
- 4 Heat/2 cool heat pump
- 3 Heat/2 cool traditional



Part #	Mfg #	Description	Price
163861	YTHM5421R1010	Prestige 2-Wire IAQ Equipment Interface Module Kit w/ 2 Duct Sensors	
155767	THM5421R1021	3 Universal IAQ Contacts to control Humidification, Dehumidification, or Ventilation	

### Wifi Heat and Cool Thermostat

#### FocusPRO® Thermostat Kit with RedLINK Internet Gateway

- Includes:
  - C7735A1000 Return Air Sensor
  - THM5320R1000 Equipment Interface Module
  - THM6000R1002 RedLINK Internet Gateway
  - (YTH6320R1114/U has TH5320R1002 Thermostat)
  - (YTH6320R1122/U has TH6320R1004 Thermostat)
- 3 Heat/2 cool heat pump or up to 2 heat/2 cool conventional



Part #	Mfg #	Description	Price
174483	YTH6320R1114/U	Includes TH5320R1002 Wireless Non-Programmable FocusPRO® Thermostat	
174484	YTH6320R1122/U	Includes TH6320R1004 Wireless 5+1+1 Programmable FocusPRO® Thermostat	

### FocusPRO® Wireless Thermostat Kit

- Powered by RedLINK™ reliability
- Can display outdoor temperature and humidity
- 1-Year battery life, 2-month low battery warning



Part #	Mfg #	Description	Price
119159	YTH5320R1000	Includes TH5320R1002 Wireless Non-Programmable FocusPRO® Thermostat	
119158	YTH5320R1017	Includes TH5320R1002 Wireless Non-Programmable FocusPRO® Thermostat	
119161	YTH5320R1025	Includes TH5320R1002 Wireless Non-Programmable FocusPRO® Thermostat	
119090	YTH6320R1001	Includes TH6320R1004 Wireless FocusPRO® 5+1+1 Programmable Thermostat	
119089	YTH6320R1015	Includes TH6320R1004 Wireless FocusPRO® 5+1+1 Programmable Thermostat	

**Thermostats**

**Wi-Fi 9000 with Voice Control**

- Change temperature with Voice Control (English only)
- Get Connected – Connect to homes existing Wi-Fi network
- Remote Control – Convenience, comfort and control from anywhere through web, tablet or smartphone access
- App available for tablet and smartphones
- Automatic software updates through Wi-Fi
- Selectable to 7 Day or Non-Programmable
- Program thermostat locally or over the web or app
- Customize the screen color to match any décor



Part #	Mfg #	Description	Price
167150	TH9320WFV	7-Day Program or Non-Programmable, Up to 2H/2C Conv or 3H/2C Heat Pump	

**Wi-Fi 9000 Color Touchscreen Thermostat**

- Get Connected – Connect to home's existing Wi-Fi network
- Remote Control – Convenience, comfort and control from anywhere through web, tablet or smartphone access
- Apps available for tablet and smartphones
- Automatic software updates through Wi-Fi
- Selectable to 7 Day or Non-Programmable
- Program thermostat locally or over the web or app
- Customize the screen color to match any décor
- TH9320WF5003 is ENERGY STAR® Certified



Part #	Mfg #	Description	Price
163964	TH9320WF5003	7-Day Program Or Non-Programmable, Up to 2H/2C Conv or 3H/2C Heat Pump	

**Wireless FocusPRO® Thermostat**

- Compatible with gas, oil, electric, heat pump, forced warm air, hot water, steam or gravity
- Easily add a zone to a TrueZONE™ system without running new wires
- Powered by RedLINK™ reliability
- No interference with other wireless devices in the home
- Works with compatible RedLINK™ enabled devices
- Same great features of the FocusPRO® thermostat now wireless
- Installs in minutes
- Can display outdoor temperature and humidity (if wireless outdoor sensor is installed)
- Battery powered only
- 1-Year battery life, 2-month low battery warning
- Premier White®



TH5320R1002



TH6320R1004

Part #	Mfg #	Description	Price
119160	TH5320R1002	Non-Programmable, Up to 3 Heat/2 Cool Heat Pump or Up to 2 Heat/2 Cool Conventional	
119091	TH6320R1004	5+1+1 or 5+2 Day Programmable, Up to 3 Heat/2 Cool Heat Pump or Up to 2 Heat/2 Cool Conventional	
154516	TH6320WF1005	7-Day Program, Up to 3Heat/2 Cool Heat Pump or Up to 2 Heat/2 Cool Conventional	

**Thermostats**

**Wireless Outdoor Temperature Sensor**

- Powered by RedLINK™ reliability
- No interference with other wireless devices in the home
- Reliable performance in all climates
- Installs in minutes
- Up to 5-years battery life, 2-month low battery warning
- Battery warning displayed on RedLINK™ enabled thermostats
- Includes (2) AA Lithium batteries and mounting hardware



Part #	Mfg #	Description	Price
120395	C7089R1013	Wireless Outdoor Sensor, Senses Outdoor Temperature and Humidity, RedLINK™	

**Personal Comfort Station™**

- Works in both zoned and non-zoned applications
- Powered by RedLINK™ reliability
- Built in pager with an audible noise helps locate the device in the home
- Battery powered
- Touchscreen interface with back light display
- Can display outdoor temperature and humidity



Part #	Mfg #	Description	Price
120396	REM5000R1001	Portable Comfort Station Control, RedLINK™ Enabled	

**RedLINK™ Equipment Remote Module Kit**

- Wireless RedLink™ communication between condensing unit/compressor or boiler and thermostat
- Eliminates the need to run additional wires to your equipment, for example, during a heat pump upgrade
- Suitable for outdoor use
- Temperature sensor terminals for outdoor temp sensors or indoor freeze protection
- LEDs for easy installation checkout
- May reduce damage to homes since wiring/drilling is eliminated



Part #	Mfg #	Description	Price
220491	YERM5220RVPEIM	Includes: Equipment Remote Module (ERM) (ERM5220R1018), VisionPRO 8000 (TH8321R1001), and Equipment Interface Module (EIM) (THM5421R1021)	



**Thermostats**

**RedLINK™ Equipment Remote Module**

- Wireless RedLink™ communication between condensing unit/compressor or boiler and thermostat
- Eliminates the need to run additional wires to your equipment
- Suitable for outdoor use
- Temperature sensor terminals for outdoor temp sensors or indoor freeze protection
- LEDs for easy installation checkout
- May reduce damage to homes since wiring/drilling is eliminated
- Erm is NOT compatible with RedLink Zone Boards



Part #	Mfg #	Description	Price
189864	Suitable for outdoor use.	Wireless RedLink™ communication between condensing unit/compressor or boiler and thermostat use.	

**RedLINK™ to Internet Gateway and Ethernet Cable and Power Cord**

- 20-30 Vac
- 24 Volt plug in transformer
- 5Vdc, 1000mA power adapter
- 902-928 MHz frequency
- Includes 3' ethernet cable



Part #	Mfg #	Description	Price
240373	LEDs for easy installation checkout.	4Heat/2Cool Heat Pumps	

**RedLINK™ Internet Gateway**

- Provides remote access to any RedLINK® enabled thermostat through the internet, smart phone or tablet
- Includes 3' Ethernet cable and plug-in power adapter
- Operating temperature: 32° to 120°F



Part #	Mfg #	Description	Price
143270	THM6000R1002	Up to 4 Heat/2 Cool Heat Pumps	

**RedLINK™ Wireless Indoor Air Sensor**

- Used to change the sensing location of the thermostat
- Works with RedLINK™ 2.0 thermostats
- Sense temperature and humidity remotely
- Control temperature and humidity in separate locations
- Humidify and dehumidify in separate locations
- Up to (6) wireless sensors per thermostat
- Dimensions: 2-7/8"H x 1-7/8"W x 15/16"D
- Operating temperature: 0° to 120°F
- Includes:
  - (2) AAA Batteries
  - Mounting hardware



Part #	Mfg #	Description	Price
143274	C7189R1004	RedLINK™ Wireless Indoor Sensor	

**Thermostats**

**TrueIAQ™ Total Home Comfort System**

- Manages humidification, dehumidification, ventilation and bathroom fans from a central point in your home
- Setting changes can be made easily with the touch of a button
- Simultaneously displays both indoor and outdoor temperature and humidity
- y levels on-screen
- Automatically adjusts inside settings based on outdoor conditions
- Include individual air quality enhancements to your system with TrueIAQ™, or integrate them all as part of a total air quality system
- Intuitive digital back light display.



Part #	Mfg #	Description	Price
111238	DG115EZIAQ	Steam Type, 120VAC, Duct or Remote Mount with Outdoor Temperature/Humidity Sensor, White	

**Sensors**

**C7089 Remote Outdoor Temperature Sensor**

- Senses outdoor temperature for display; can manage dual-fuel and lock-out auxiliary heat in heat pump applications
- Maximum wire run of 200'
- Includes 60" lead wire, mounting clips and screws
- Dimensions: 2-1/4" x 3/8" with 60" lead wire
- Factory calibrated



Part #	Mfg #	Description	Price
078072	C7089U1006	For VisionPRO® & VisionPRO® IAQ Thermostats	

**PT1000 Duct TempSensor**

- Electronic temperature sensors used with DDC systems
- PT1000 Tempsensor, 6" insertion
- Use w/ T775, operating range -40-250°FPT1000 TempSensor



Part #	Mfg #	Description	Price
190400	C7031B2005/U	For Duct, Use with Excel 10, 50, 80, 100, 500, T775 Series 2000	

**C7041 Immersion Sensor**

- 20K ohm NTC temp sensor, 5 in. insertion
- Immersion sensor for hot or chilled water, purchase well 50001774-001 separately



Part #	Mfg #	Description	Price
190399	C7041D2001/U	For Excel 10, 50, 80, 100, 500	



**Thermostats**

**Outdoor Air Temperature Sensor**

- Electronic temperature sensors used with DDC systems
- 1715 ohm, for use with W7100 (outdoor reset)
- Outside air temperature



Part #	Mfg #	Description	Price
190401	C7031G2006/U	1715 ohm Outdoor Air Temperature Sensor, for use with W7100	

**Discharge Temperature Sensor**

- Primary and/or secondary sensors in electronic control systems
- No settings or calibration required.
- Solid state components not affected by dust or dirt.
- Fast reacting.
- Rugged aluminum insertion probe.
- Mounts on duct or plenum surface with integral mounting flange, or in a 2 x 4 in. junction box.



Part #	Mfg #	Description	Price
190397	C7046D1008/U	1097 ohm @ 77 F PTC, Excel 600, Excel 500, Excel 100, Excel 80, and T775 Series 2000	

**Slab/Floor Sensor for use with AQ1000 Series Thermostats**

- Sensor-- -58 F to +230 F



Part #	Mfg #	Description	Price
134580	AC12C20	Slab/Floor sensor for use with AQ2000 series control panels & AQ1000 series thermostats	

**C7189 Remote Indoor Sensor**

- Mounts in living space up to 200' away from W8900 remote module



Part #	Mfg #	Description	Price
078076	C7189U1005	For VisionPRO and VisionPRO IAQ Thermostats	

**Thermostats**

**Water Leak Freeze Detectors and Sensor Cables**

- 4-Pack
- Place near sinks, washers, water heaters, sump pumps—anywhere leaks could happen
- Battery life lasts up to 3 years without incident
- Notification messages can alert you or your family/ friends, while audible (100 dB alarm) alerts sound when you are at home
- Use to detect temperatures that can freeze pipes, and humidity
- Runs on WiFi - No Extra Hub or hardware purchase required
- Daisy chain extra cable sensors and cover up to 500 feet of space with one leak detector
- Five year warranty for professionally installed devices



Part #	Mfg #	Description	Price
234359	YCHW4000W4004	Sold in Packs of 4. 3-1/16" Square x 1-1/4" high for each detector	

**Lyric C1 Wi-Fi Security Camera**

- Allows the user to keep an eye on their home or business while they are away
- Intelligent sound detection
- High definition wide angle view
- Adjustable alert zones
- Cloud and SD storage
- Night vision
- Two-way talk



Part #	Mfg #	Description	Price
236992	CHC8080W1000/U	Compatible with Lyric App for iPhone, iPad and Android	

**Commercial Thermostats**

**Programmable Commercial Thermostats**

**TL8100 Hydronic 7-Day Programmable Electronic Thermostat**

- Controls 2- or 3-way zone valves or circulator pumps in both line and low volt
- Special protection modes to prevent system seizures and reduce call backs
- Easy to install
- Millivolt compatible
- Electrical ratings: maximum load: 5A (resistive), 2A (inductive) @ 24VDC, 120VAC and 240VAC



Part #	Mfg #	Description	Price
128315	TL8100A1008	Programmable Electronic Thermostat, White	

**T4 Pro Programmable Thermostat**

- Stages: up to 1 heat/1 cool heat pumps or 1 heat/1 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter
- Programmability: 7 day, 5-1-1 day, 5-2 day, or non-programmable
- Electrical ratings: 20 to 30 vac
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
233821	TH4110U2005/U	Programmable Electronic Thermostat, White	

**T6 Pro Programmable Thermostat**

- Stages: up to 2 heat/1 cool heat pumps or 2 heat/2 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter, small decorative cover plate, screws & anchors, installation guide, user guide, and 2 AA batteries
- Programmability: 7 day, 5-1-1 day, 5-2 day, or non-programmable
- Electrical ratings: 20 to 30 vac
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
240768	TH6220U2000	T-Series Programmable Thermostat, White	

**Lyric T6 Pro Wi-Fi Programmable Thermostat**

- Stages: up to 2 heat/1 cool heat pumps or 2 heat/2 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter, small decorative cover plate, screws & anchors, installation guide, user guide, and 2 AA batteries
- Programmability: 7 day, 5-1-1 day, 5-2 day, 1 day, geolocation or non-programmable
- Electrical ratings: 20 to 30 vac
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
228227	TH6220WF2006	T-Series Wi-Fi Programmable Thermostat, White	

**Commercial Thermostats**

**Line Voltage Commercial Thermostats**

**T451 Medium-Duty Line Voltage Commercial Thermostat with Thermometer**

- SPST Switching action, makes on temperature fall, breaks on temperature rise
- Heating application
- Control line voltage on valves, motors, contactors, electric heat elements, duct furnaces and fan coil units
- Mounts on standard vertical or horizontal outlet box
- Includes vertical scale plate with thermometer and high accuracy dual diaphragm sensor
- Dimensions: 4-1/2"H x 2-15/16"W x 1-1/2"D (switches and wiring terminals protrude into outlet box 3/4")
- Champagne gold faceplate with beige cover



Part #	Mfg #	Temp Setting	Description	Price
065237	T451A3005	44° - 86°F	Range Stops, Locking Cover Screws & Wall Plate	

**T651A Light-Duty Line Voltage Commercial Thermostat**

- Control line voltage on valves, motors, contactors, electric heat elements, duct furnaces and fan coil units
- SPDT Switching action, breaks heating and makes cooling on temperature rise
- Heating and cooling application
- Mount on standard vertical or horizontal outlet box
- Automatic cooling and heating anticipation
- Includes vertical scale plate with thermometer, horizontal scale plate without thermometer, and high accuracy dual diaphragm sensor
- Dimensions: 4-1/2"H x 2-15/16"W x 1-1/2"D (switches and wiring terminals protrude into outlet box 3/4")
- Champagne gold faceplate with beige cover



Part #	Mfg #	Temp Setting	Description	Price
065613	T651A3018	44° - 86°F	Range Stops, Locking Cover Screws & Wall Plate	

**T631A-C Farm Controller**

- Provides line voltage control of heating, cooling and ventilating systems in farm buildings or storage areas
- Light-duty line volt thermostat, 2°F fixed differential
- Treated to resist corrosion



Part #	Mfg #	Description	Price
006794	T631A1006	Farm-O-Stat, 35° - 100°F, SPDT Snap Switch, Red	

**Winter Watchman**

- Used as freeze warning device
- Completes circuit to household lamp on temperature fall, indicating inoperative heating equipment



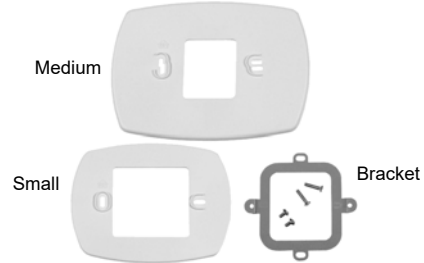
Part #	Mfg #	Description	Price
006784	S483B1002	Winter Watchman Freeze Warning Device, 30° - 60°F, Adjustable	

**Commercial Thermostats**

**Thermostat Accessories**

**Thermostat Cover Plate for FocusPRO® & PRO® Series**

- Small cover plate: 4-5/16"H x 5-1/2"W
- Medium cover plate: 5"H x 6-7/8"W
- Large cover plate: 6"H x 8-5/16"W
- Premier White®



Part #	Mfg #	Description	Price
079594	50001137-001	For TH5110 Thermostat	
079595	50002883-001	For FocusPRO® 6000/5000, PRO® 4000/3000	

**C2 Indoor Wi-Fi Security Camera**

- Intelligent sound detection
- Adjustable alert zones
- Cloud and microSD storage
- Night vision
- Two-way talk
- 5V/2A power adaptor
- High definition wide angle view



Part #	Mfg #	Description	Price
240959	CHC8480W1013/U	C2 Indoor Wi-Fi Security Camera	

**Thermostats (Private Label)**

**Programmable Thermostats**

**Lyric T6 Pro Wi-Fi Programmable Thermostat - Private Label for Northwest Mechanical**

- Stages: up to 2 heat/1 cool heat pumps or 2 heat/2 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter, small decorative cover plate, screws & anchors, installation guide, user guide, and 2 AA batteries
- Programmability: 7 day, 5-1-1 day, 5-2 day, 1 day, geolocation or non-programmable
- Electrical ratings: 20 to 30 vac
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
240770	TH6220WFNWMEC	Private Label Programmable Thermostat for Northwest Mechanical	
246108	TH6220WFNORTH	Private Label Programmable Thermostat for Northwest Mechanical	

**T4 Pro Series Programmable Thermostat - For Private Label Colony**

- 20-30 Vac systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems
- Includes:
  - Thermostat
  - UWP mounting system
  - Installation (J-box) adaptor



Part #	Mfg #	Description	Price
239306	TH4210U2002	Up to 2 Heat/1 Cool Heat Pumps; Up to 1 Heat/1 Cool Conventional Systems	

**T4 Pro Programmable Thermostat—For Private Label Northwest Mechanical**

- Stages: up to 1 heat/1 cool heat pumps or 1 heat/1 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter
- Programmability: 7 day, 5-1-1 day, 5-2 day, or non-programmable
- Electrical ratings: 20 to 30 vac
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
240772	TH4110U2005-NWMECH	Private Label Programmable Thermostat for Northwest Mechanical	
246109	TH4110U2NORTH	Private Label Programmable Thermostat for Northwest Mechanical	

**T4 Pro Programmable Thermostat—For Private Label Reece Heating and Cooling**

- Stages: up to 1 heat/1 cool heat pumps or 1 heat/1 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter
- Programmability: 7 day, 5-1-1 day, 5-2 day, or non-programmable
- Electrical ratings: 20 to 30 vac
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
242263	TH4110U2005-3586	Private Label Programmable Electronic Thermostat for Reece Heating and Cooling, White	



**Thermostats (Private Label)**

**T4 Pro Programmable Thermostat—For Private Label Precision Plumbing, Heating, and Air**

- Stages: up to 1 heat/1 cool heat pumps or 1 heat/1 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter
- Programmability: 7 day, 5-1-1 day, 5-2 day, or non-programmable
- Electrical ratings: 20 to 30 vac
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
245297	TH4110U2005-4471	Private Label Programmable Electronic Thermostat for Precision Plumbing, Htg & AC, White	

**FocusPRO® 6000 Programmable Digital Thermostats—For Private Label Colony**

- **TH6110D1021** Stages: 1 Heat/1 Cool or heat pump without auxiliary heat
- **TH6220D1028** Stages: 2 Heat/2 Cool conventional; 2 Heat/1 Cool heat pump with auxiliary heat
- Selectable to 5-1-1 (weekdays, Saturday, Sunday) or 5-2 (weekdays, weekend) programmable thermostat
- Large, clear, back light display - easy to read in various lighting conditions
- Display size options - available in large screen or standard
- Precise comfort control (+/- 1°F) - maintains consistent comfort to the highest level of accuracy
- Easy change battery door - flips out without disassembling thermostat
- Built in instructions - simple, pull out instruction manual
- Adaptive Intelligent Recovery™ - ensures programmed temperature is reached by programmed time
- Temperature range stops - prevents user from setting the temperature too high or too low
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-9/16"H x 5-13/16"W x 1-1/2"D
- Premier White®
- 5-Year warranty



Large Display

Part #	Mfg #	Description	Price
095462	TH6110D1021-68	Private Label FocusPRO 6000 Thermostat for Colony	
095463	TH6220D1028-131	Private Label FocusPRO 6000 Thermostat for Colony	

**Lyric™ T6 Pro Wi-Fi Thermostat—For Private Label Colony**

- Stages: up to 3 heat/2 cool heat pumps and 2 heat/2 cool conventional systems
- Includes thermostat, UWP mounting system, installation (j-box) adapter, small decorative plate, screws and anchors, installation guide, and user guide
- Programmability: 7 day, 5-1-1 day, 5-2 day, 1-week or non-programmable
- Geofence technology
- Optional wired indoor/outdoor sensors
- Electrical ratings & supply voltage: 20 to 30 vac
- Integrates with smart home Apple HomeKit and Amazon Alexa
- Dimensions: 4-1/16" long x 4-1/16" wide x 1-3/32" deep



Part #	Mfg #	Description	Price
239303	TH6320WF2003-386	Private Label T6 Pro Wi-Fi Thermostat for Colony	

**Thermostats (Private Label)**

**VisionPRO® 8000 with RedLINK™ Technology—For Private Label Colony**

- **TH8110R1008** Stages: 1 heat/1 cool conventional systems and heat pumps
- **TH8321R1001** Stages: 2 heat/2 cool conventional systems and 3 heat/2 cool heat pumps
- Similar stages: 4 heat/2 cool heat pump or 3 heat/2 cool conventional when used with interface module
- Residential or commercial use
- Thermostat works standalone or with the THM5421R1021 Equipment Interface Module or with the TrueZONE Wireless Adapter
- Smart Schedule - programs in seconds for any lifestyle
- Patented interview based programming and installer setup
- RedLINK™ wireless communication
- Customizable service reminders allow dealers to remind their customers when its time to call for service, when their warranty is expiring and to provide customized alerts.
- MicroSD port for copying the installer setup, customizable reminders, custom events and holidays to multiple thermostats.
- 1 assignable output on the TH8321 model to control humidification, dehumidification, ventilation or a stage of heating/cooling.
- 3 assignable outputs on the Equipment Interface Module to control humidification, dehumidification, ventilation or a stage of heating/cooling  
The TH8110 and TH8320 models require the use of a wireless indoor sensor to control humidification and dehumidification
- 1 assignable input can be used with a wired outdoor, indoor or discharge sensor
- 4 assignable inputs on the Equipment Interface Module can be used with wired outdoor, indoor or discharge sensors, occupancy sensor for remote setback and dry contact devices to trip pre-packaged or custom alerts such as a full drain pan or water leak
- Extend wireless range of the Equipment Interface Module by connecting a THM4000R1000 Wireless Adapter to the ABCD terminals
- Dual powered - battery or hardwired (C wire)
- Precise temperature control (+/- 1° F) for reliable and consistent temperature
- Multiple staging options to provide comfort or energy savings



Part #	Mfg #	Application	Terminal Designations	Notes:	Price
168623	TH8110R1008-95	Private Label VisionPRO 8000 for Private Label Colony			
168626	TH8321R1001-361	Private Label VisionPRO 8000 for Private Label Colony			



**Thermostats (Private Label)**

**PRO® 4000 5+2 Day Programmable Digital Thermostats Private Label Chown Appliance**

- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Weekday/weekend programming to fit your lifestyle
- Clear, back light display
- Precise comfort control +/- 1°F of your set temperature
- Easy slide switches allow selection of heat or cool mode, and fan operation
- Dual-powered, battery or hardwired
- Manual changeover
- Built-in instructions - simple, pull out instruction manual
- Adaptive Intelligent Recovery™ - ensures programmed temperature is reached by programmed time
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-13/16"H x 5-3/8"W x 1-1/4"D
- Premier White®



Part #	Mfg #	Application	Terminal Designations	Price
119999	TH4110D1007-544	Private Label Programmable Digital Thermostat for Chown Appliance		

**T6 Pro Series Programmable Thermostat - Private Label for Reece Heating & Cooling**

- 24 Vac systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems
- Includes:
  - Thermostat
  - UWP mounting system
  - Installation (J-box) adaptor
  - Small decorative cover plate
  - Screws and anchors
  - Installation Guide & User Guides
  - 2 AA Batteries



Part #	Mfg #	Description	Price
242259	TH6210U2001-1623	Private Label Programmable Digital Thermostat for Reece Heating & Cooling	

**T6 Pro Series Programmable Thermostat - Private Label for Northwest Mechanical**

- 24 Vac systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems
- Includes:
  - Thermostat
  - UWP mounting system
  - Installation (J-box) adaptor
  - Small decorative cover plate
  - Screws and anchors
  - Installation Guide & User Guides
  - 2 AA Batteries



Part #	Mfg #	Description	Price
246107	TH62202UNORTH	Private Label Programmable Thermostat for Northwest Mechanical	

**Thermostats (Private Label)**

**Non-Programmable Thermostats**

**FocusPRO® 5000 Non-Programmable Digital Thermostats—For Private Label Colony**

- **TH5110D1022** Stages: 1 Heat/1 cool conventional systems and heat pumps with no auxiliary heat
- **TH5220D1029** Stages: 2 Heat/2 cool conventional systems and 2 heat/1 cool heat pumps
- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Precise comfort control +/- 1°F of your set temperature
- Easy change battery door - flips out without disassembling thermostat
- Automatic/manual selectable changeover
- Dual-powered, battery or hardwired
- Built-in compressor protection: minimum-off timer protects compressor from restarting too early after a shutdown
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-7/16"H x 4-1/2"W x 1-5/16"D
- Premier White®



Large Display

Part #	Mfg #	Description	Price
095457	TH5110D1022-157	Private Label Non-Programmable Digital Thermostat for Colony, White	
095461	TH5220D1029-183	Private Label Non-Programmable Digital Thermostat for Colony, White	

**Pro Non-Programmable Digital Thermostat—For Private Label Kraus**

- Manual changeover
- Battery or Hardwired
- Frequency: 50 Hz; 60 Hz
- Electrical ratings: 20-30 vac or 750 mV
- 1 Heat/1 cool conventional systems and heat pumps with no auxiliary heat
- Dimensions: 3-13/16" high x 5-3/8" wide x 1-1/4" deep



Part #	Mfg #	Description	Price
136069	TH3110D1008-197	Private Label Non-Programmable Digital Thermostat for Kraus, White	

**Pro Non-Programmable Digital Thermostat—For Private Label Hollond**

- Manual changeover
- Battery or Hardwired
- Frequency: 50 Hz; 60 Hz
- Electrical ratings: 20-30 vac or 750 mV
- 1 Heat/1 cool conventional systems and heat pumps with no auxiliary heat
- Dimensions: 3-13/16" high x 5-3/8" wide x 1-1/4" deep



Part #	Mfg #	Description	Price
168438	TH3110D1008-1571	Private Label Non-Programmable Digital Thermostat for Holland, White	

**Thermostats (Private Label)**

**FocusPRO® 5000 Non-Programmable Digital Thermostat - Private Label Scharnweber Water Conditioning Inc**

- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Clear back light display available with large (2.98 sq in) or standard (1.95 sq in) screen
- Precise comfort control +/- 1°F of your set temperature
- Temperature control range stops
- Soft-key, simplified controls
- Easy change battery door - flips out without disassembling thermostat
- Automatic/manual selectable changeover
- Dual-powered, battery or hardwired
- Built-in compressor protection: minimum-off timer protects compressor from restarting too early after a shutdown
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-7/16"H x 4-1/2"W x 1-5/16"D
- Premier White®



Part #	Mfg #	Application	Terminal Designations	Screen	Price
079893	TH5110D1006-157	Private Label Non-Programmable Digital Thermostat for Scharnweber Water Conditioning			

**FocusPRO® 5000 Non-Programmable Digital Thermostat - Private Label for Soper Plumbing Heating & Electric**

- Electronic control of 24VAC, heating and cooling systems or 750mV heating systems
- Clear back light display available with large (2.98 sq in) or standard (1.95 sq in) screen
- Precise comfort control +/- 1°F of your set temperature
- Temperature control range stops
- Soft-key, simplified controls
- Easy change battery door - flips out without disassembling thermostat
- Automatic/manual selectable changeover
- Dual-powered, battery or hardwired
- Built-in compressor protection: minimum-off timer protects compressor from restarting too early after a shutdown
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 50° to 99°F
- Dimensions: 3-7/16"H x 4-1/2"W x 1-5/16"D
- Premier White®



Part #	Mfg #	Application	Terminal Designations	Screen	Price
122149	TH5220D1003-625	Private Label Non-Programmable Digital Thermostat for Soper Plumbing Heating & Electric			

## Pro1 Thermostats

### Pro1 Thermostats

- Separate heating and cooling swing adjustments
- Battery or 24V power
- 5-Year warranty

#### T700 Thermostat

- Blue back light with glow-in-the-dark light button
- Easy access battery compartment
- Electric or gas configurable
- Simple private label badge system
- Separate B & O terminals
- Easy wire color-coded terminal blocks
- Room temperature calibration adjustment
- 5-Minute compressor delay protection
- Universal sub-base
- Mounts on wall or junction box



T701/T771/T721



T705/T715



T755/ T755H

Part #	Mfg #	Stages	Programs	Description	Price
138686	T701	1 Heat/1 Cool	Non-Programmable	Single-Stage	
138687	T705	1 Heat/1 Cool	5+1+1	Single-Stage	
138688	T715	2 Heat/2 Cool	5+1+1	Multi-Stage	
148128	T755S	2 Heat/2 Cool	5+1+1	Multi-Stage	
138690	T755	3 Heat/2 Cool	5+1+1 or Non-Programmable	Heat Pump	
140228	T755H	3 Heat/2 Cool	5+1+1 or Non-Programmable	Universal	
138691	T771	1 Heat/1 Cool	Non-Programmable	Single-Stage	

#### T800 Thermostat

- Blue back light with glow-in-the-dark light button
- Easy access battery compartment
- Extra large, easy-to-read temperature display
- Electric or gas configurable
- Simple private label badge system
- Separate B & O terminals
- Easy wire color-coded terminal blocks
- Room temperature calibration adjustment
- 5-Minute compressor delay protection
- Universal sub-base
- Mounts on wall or junction box



Part #	Mfg #	Stages	Programs	Description	Price
138693	T805	1 Heat/1 Cool	5+1+1	Single-Stage	
138694	T855	2 Heat/2 Cool	7-Day or 5+1+1	Universal	
240777	T855S	3 Heat/2 Cool	7-Day or 5+1+1 or NP	Universal	
172146	T855I	2 Heat/2 Cool	7-Day or 5+1+1	Multi-Stage	

**Pro1 Thermostats**

**T801 Thermostat**

- Extra large, easy-to-read temperature display
- Auto Changeover
- 8 sq. inch display
- Blue Back-light
- Glow in the dark light button
- Separate B & O terminals
- Room temperature calibration adjustment
- 5 minute compressor delay protection (selectable on or off)
- Filter change indicator(selectable on or off)
- Simple private label badge system
- Easy wire color coded terminal blocks
- Universal sub-base
- Mounts on wall or junction box
- Battery or 24v power
- 5 year warranty



Part #	Mfg #	Stages	Programs	Description	Price
169127	T801	1 Heat/1 Cool	Non-Programmable	Single Stage	

**T900 Thermostat**

- Touchscreen with blue back light and glow-in-the-dark light button
- Auto changeover
- Easy access battery compartment
- Electric or gas configurable
- Filter change indicator
- Simple private label badge system
- Keypad lockout
- Separate B & O terminals
- Easy wire color-coded-terminal blocks
- Room temperature calibration adjustment
- 5-Minute compressor delay protection
- Universal sub-base
- Mounts on wall or junction box



Part #	Mfg #	Stages	Programs	Description	Price
138905	T925	3 Heat/2 Cool	7-Day or 5+1+1	Heat Pump	

## Pro1 Thermostats

### T955W Wireless Thermostat

- 13" Touchscreen display with blue back light and glow in the dark light button
- Set dual fuel balance points
- Connects up to 4 indoor remotes (R251W)
- Connects to outdoor remotes (R250W)
- Auto changeover
- Programmable fan
- Electric or gas configurable
- Heating and cooling setpoint limit
- Room temperature calibration adjustment
- 5 Minute compressor delay protection
- Mounts on junction box



Part #	Mfg #	Stages	Programs	Description	Price
159881	PD411093	3 Heat/2 cool	7-Day, 5+1+1 or Non-Programmable	Universal with Humidity Control	

### Thermostat Accessories

#### Wireless Wire® Base Module

- Replaces 25V wire
- Input module: 7 terminal inputs and 2 terminal outputs
- Output module: 7 terminal outputs and 2 terminal inputs



Part #	Mfg #	Description	Price
138696	WW160W	Includes Both Input Base Module and Output Base Module	

### Remote Temperature Sensor



Indoor



Outdoor

Part #	Mfg #	Description	Price
138685	PD411070	Remote Indoor Sensor	
138683	PD411071	Remote Outdoor Sensor	
146724	PD411098	Remote Outdoor Sensor	

### T119 Wall Plate

- 5-1/2" x 7-1/2"
- White
- Fits all Pro1 IAQ models



Part #	Mfg #	Stages	Programs	Description	Price
142069	PD411073	Wall Plate			



**Protech Thermostats**

**Thermostats**

**500 Series High Definition Communicating Thermostat**

- Universal choice of 7-day, 5/2 day programmable or non-programmable
- Dehumidification and humidification control
- Outdoor temperature display
- Intelligent scheduling ramp-up/program anticipation
- USB connection for uploading of programming and configuration
- Maintenance reminders
- Compressor short cycle protection
- 5-Year limited warranty



RHC-TST550CMMS

Part #	Mfg #	Description	System	Type	Price
126929	UHC-TST550CMMS	2 Heat/2 Cool	Dual Fuel	Dehumidification & Humidification	

**T701i WiFi Single Stage Thermostat**

- 1 Heat 1 cool
- 4" sq. inch display
- Glow in the dark light button
- Universal sub-base
- Electric or gas configurable
- Easy wire color coded terminal blocks
- Programming optional through app
- Separate heating and cooling swing (cycle rate) adjustments
- 5-Minute compressor delay protection (selectable on or off)



Part #	Mfg #	Description	Price
177242	T7011	1 Heat/1 Cool Single Stage WiFi Thermostat	

**EcoNET™ Smart Thermostat**

- Built-In WiFi
- 4.3" LCD Touch Screen
- Amazon Alexa Compatible – Enables the use of voice commands to control the HVAC system with Amazon Echo or Echo Dot devices<sup>1</sup>
- Local Weather – Current conditions plus 6-day forecast
- 5 Operating Modes – Heat, Cool, Auto, Emergency Heat and Fan Only
- 7-Day Programmable Schedule – Offers comfort without thought
- One-Touch Away – Quickly switch to your energy-saving away preferences
- Vacation Scheduling – Allows you to save while you're away and come home to comfort
- Motion Sensor – Automatically wakes the screen as you approach
- Standby Screen – Displays indoor temperature and current weather



Part #	Mfg #	Description	Price
250408	UETST700SYS	Compatible w/ select HVAC and Water Heating Products, and the new R96V Furnaces	

**Protech Thermostats**

**EcoNet WiFi Kit**

- *Enables remote operation*
- *WiFi Kit Components:*
  - EcoNet WiFi Module
  - Installation Instructions
  - V Power Adapter
  - Junction Box
  - 24" Port to Port Connection Cable
  - 1" x 2" Double Adhesive Mounting Tape
  - RJ12 Y Splitter (for use with communicating electric water heaters)



Part #	Mfg #	Description	Price
174498	REWRA630SYS	Works with any HVAC system which includes an EcoNet Enabled Furnace or Air Handler	





## Ruud Thermostats

### Thermostats

#### 200 Series Universal Programmable Thermostat

- Universal choice of 7-day, 5+1+1 or 5+2 programmable or non-programmable
- 4 Time and 4 temperature settings per program (heat & cool)
- 4" Lighted blue display
- Permanent program retention
- Battery/hardwired



Part #	Mfg #	Description	System	Type	Price
131301	UHC-TST213UNMS	2 Heat/2 Cool	Universal (AC/HP/GE)	Multi-Stage	

#### 300 Series Deluxe Programmable Thermostat

- Universal programming, choice of 7-day, 5+2 or non-programmable
- 12 Sq inch touchscreen display
- Larger, easy-to-read character size
- Keypad lockout option
- Dual power - hardwired or battery
- Easy, menu-drive programming
- Audio prompting to ensure program change confirmation
- Intuitive red/blue temperature keys
- 5-Year warranty from date of purchase



Part #	Mfg #	Description	Price
123952	UHC-TST305UNMS	4 Heat / 2 Cool Gas, Oil, Electric, Heat Pump, Dual Fuel	

#### 400 Series Special Deluxe Programmable Thermostat

- Hardwired power source
- Lighted display



Part #	Mfg #	Description	System	Type	Price
124272	UHC-TST412MDMS	1 Heat/2 Cool	Dual Fuel	Multi-Stage	

#### 500 Series Touchscreen Communicating Thermostat

- Scrolling system status
- Dehumidification control
- Armchair programming allows users to remove thermostat from wall to set the schedule
- Outdoor temperature display
- Intelligent scheduling ramp-up/program anticipation
- Maintenance reminders
- Compressor short cycle protection
- 5-Year limited warranty



Part #	Mfg #	Description	System	Type	Price
131449	UHC-TST501CMMS	4 Heat/2 Cool	Dual Fuel	Dehumidification	

**White-Rodgers Thermostats**

**Thermostats**

**80 Series® Blue 2" Thermostats**

- 2" Wide LCD lighted screen
- Fossil fuel or electric heat compatible
- Dual powered, choice of battery or hardwired for all applications
- Easy push-connect color coded terminals
- Cool Savings™
- Dimensions: 3.8"H x 4.8"W x 1.5"D
- Classic white color
- 5-Year warranty



Part #	Mfg #	Stages	Program	Control Range	Terminals	Price
127608	1F86-0244	1 Heat/1 Cool	Non-Prog	45 to 90°F	R,C,W,Y,G,O/B	
200234	1F89-0211	2 Heat/1 Cool	Non-Prog	45 to 90°F	R, C, W2, Y, O/B, G, L	

**80 Series® Universal Thermostats**

- Attractive Sensi thermostat styling for non-wi-fi applications.
- Universal (single stage, multi-stage, heat pump), conventional and heat pump models.
- Bright, high contrast backlight.
- Automatic heat/cool changeover option.
- Keypad lockout and adjustable heat/cool temperature limits.
- Built in dual fuel logic program eliminates the need for an outdoor sensor.



Part #	Mfg #	Stages	Program	Control Range	Terminals	Price
227366	WR1F85U42PR	2 Heat/2 Cool	7, 5+1+1, Ø	45 to 99°F	RC, RH, C, W/E, W2, Y, Y2, O/B/6, G, L	

**70 Series™ Digital Thermostat**

- (-E) Economy series



Part #	Mfg #	Stages	Program	Control Range	Terminals	Price
195654	1E78-144	1 Heat/1 Cool	Non-Prog	45 to 90°F	RC,RH, W, Y,O, B, G	
194271	1F78-144	1Heat/1Cool	Non-Prog	45 to 90°F	RC,RH, W, Y,O, B, G	
195653	WR1E78151	1Heat/1Cool	5+2	45 to 90°F	RC,RH, W, Y,O, B, G	
194272	WR1F78151	1Heat/1Cool	5+2	45 to 90°F	RC,RH, W, Y,O, B, G	

## White-Rodgers Thermostats

### Line Voltage Thermostats

- For Direct Control of Fan Coils, Fans, Motor Starters, Circulator Motors, Contactors, Valves for Heating, Cooling and SPDT Applications
- Two dial stops for setting a maximum or minimum temperature. Minimum between 66 to 87°F. Maximum between 60 to 81°F.
- Thermostat mounts on 2" x 4" electrical box.
- Includes set point locking feature at 66°, 69°, 72°, 75°, 78° or 81°F
- Optional heating and cooling subbase S29-21 available



Part #	Mfg #	Description
191149	WR1A10651	36 to 90°F, SPDT Switch Action, 1.5°F Differential

### Light Duty Fan Coil Thermostat

- For Direct Control of Line Voltage Valves and/or Blower Motors on Fan Coil Units Featuring Manual Changeover from Heat to Cool and a 3-Speed Fan Switch, Subbase Included
- Mounts to a standard vertical outlet box or on a two-gang outlet box. May also be mounted on a 4"x 4" junction box with an adapter (not provided).
- Wiring color coded for ease of installation.
- 3-speed manual fan switch: High – Medium – Low.
- System Switch: Heat – OFF – Cool. "OFF" breaks both valve and fan circuits.



Part #	Mfg #	Description
210672	WR1A112	36 to 90°F, SPDT Switch Action, 1.5°F Differential

### Line Voltage Baseboard Thermostats

- 1A66 types are a double-pole disconnect model with "OFF" position which mechanically breaks both sides of line.
- Electric Heat Thermostats Used for Controlling Baseboards, Cable Heat, Glass Panels, etc.



Part #	Mfg #	Description
191145	WR1A65641	40 to 85°F, Open on Rise, 1.0°F Switch Action
191146	WR1A66641	40 to 85°F, Open on Rise, 1.0°F Switch Action

**White-Rodgers Thermostats**

**Economy Mechanical Thermostats**

- Rugged snap-action contacts.
- Adjustable heat anticipator.
- Bi-Metal thermometer.
- Heat / Cool model includes switching subbase.
- Heat / Cool model compatible with Electric Heat systems.



Part #	Mfg #	Stages	Program	Control Range	Terminals	Price
194088	WR1C20101	1 Heat	Non-Prog	50-90°F	R, W	
191147	WR1C26101	1 Heat/1 Cool	Non-Prog	50-90°F	RC, RH, W, Y, O, B, G, A	

**Mechanical Thermostats**

- Mercury free snap-action contacts with dust cover.
- Resistant to vibration.
- Mounts to wall or junction box.
- Built in bimetal thermometer.
- Horizontal and Vertical models.
- 24 Volt, 750 mV and 3 - wire zone options.



Part #	Mfg #	Stages	Program	Control Range	Terminals	Price
198249	WR1E30N910	Heat Only	Non-Prog	50 to 90°F	R, W	
198248	WR1E56N444	Heat-Cool	Non-Prog	50 to 90°F	RC, RH, W, Y, O, B, G, A	

**Line Voltage Digital Thermostats**

- Line Voltage Digital Thermostats for Applications Covering 150W
- Up to 4000W. Choice of Programmable or Non-programmable
- Models. For Electric Baseboard, Convectors and Fan-Forced Heater
- Applications. 1E65-144 will Also Cover Radiant Floor and Ceiling
- Large LCD with great contrast for greater viewing.
- 100% silent operation with optional proportional control feature.
- Selectable anticipation for ultimate performance.
- Celsius of Fahrenheit compatible.



Part #	Mfg #	Description	Price
205606	WR1E65144	45 to 90°F, Open On Rise, 0.5°C Differential	

## White-Rodgers Thermostats

### Blue 12" Touchscreen Thermostats

- Universal models quickly configure for single stage, multi-stage or heat pump and heat pump dual fuel systems - programmable or non-programmable.
- Humidity control offers humidification/dehumidification.
- Commercial offers occupied damper or economizer control.
- Staging control for nearly all conventional and heat pump systems.
- Single stage model compatible with all single stage systems low voltage, 750 mV and 3-wire zone systems.
- Heat Pump dual fuel option eliminates the need for a fossil fuel kit.
- Automatic changeover option.
- Program fan options.
- Keypad lockout and setpoint temperature limit options.
- Indoor remote sensor for averaging option.
- Outdoor remote sensor option. Add to Universal models for outdoor temp reading or, on select models, dual fuel balance point and outdoor thermostat functions.
- Dual power - hardwire and/or battery or Tripower—hardwire and/or battery with system assist.



Part #	Mfg #	Stages	Program	Control Range	Terminals	Price
198569	WR1F951291	Universal	7, 5+1+1, Ø	45 to 99 F	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, 6, +, S, -, DHM, HM	

### Thermostat Accessories

#### 90 Series Wired Indoor Remote Sensor

- Indoor Remote Sensor
- Compatible With ALL White-Rodgers Thermostats With Wired Indoor Remote Sensor Option



Part #	Mfg #	Description	Price
094177	WRF1451328	40 to 99°F Wired Indoor Remote Sensor	

**Thermostat Wire**

**Genesis Cable  
Mini Split Cable**

- For mini-split systems
- Sunlight resistant
- RoHS Compliant PVC jacket
- 600V Direct burial
- Operating temperature: -4° to 194°F
- UL Listed



Part #	Mfg #	Description	Price
120933	1070-01-08	14 AWG 4/C Solid, 250' Spool	
177516	1075-01-08	14 AWG 4/C Solid, 250' Spool	
209840	1070-39-08	14 AWG 4Stranded, 50' Spool	

**Jacketed Cables Shielded (Overall Shield) - CL2 Rated**

- For wiring of thermostat controls, heating & air conditioning equipment, doorbells, and other low voltage applications
- Sunlight resistant
- Copper conductors, polypropylene insulation & polyvinyl-chloride jacket



Part #	Mfg #	Description	Price
131441	1216-03-09	18 AWG 6/C Stranded OAS, 250'	

**Jacketed Cables Overall Shield - CL2P Rated**

- For wiring of burglar alarms, public address systems, intercoms, telephone stations, speakers, instrumentation, control and other low voltage circuits that are power-limited
- Sequential footage markings
- Twisted copper conductors, low smoke PVC insulation, aluminum/mylar shield, low smoke PVC jacket



Part #	Mfg #	Description	Price
224240	4710-48-01	18 AWG 2/C Solid, 500' Spool	
010365	4710-48-07	18 AWG 2/C Solid, 500' Spool	
010366	4711-48-07	18 AWG 3/C Solid, 500' Spool	
222664	4711-48-01	18 AWG 3/C Solid, 500' Spool	
010367	4712-03-07	18 AWG 4/C Solid, 250' Spool	
010368	4713-03-07	18 AWG 5/C Solid, 250' Spool	
029999	4714-03-07	18 AWG 6/C Solid, 250' Spool	
222666	4716-03-01	18 AWG 8/C Solid, 250' Spool	
030000	4716-03-07	18 AWG 8/C Solid, 250' Spool	
117899	4718-03-07	18 AWG 10/C Solid, 250' Spool	

**Jacketed Stranded Shielded (OAS) CM/CL2 (PVC) Cable**

- 1000ft - 22/1pr
- Grey Jacket
- HVAC applications
- AWG: 22



Part #	Mfg #	Description	Price
155918	10631109	22 AWG CM/CL2, 1000'	

**Thermostat Wire**

**Stranded CL2P Rated Plenum Control Cable**

- For wiring of burglar alarms, public address systems, intercoms, telephone stations, speakers, instrumentation, control and other low voltage circuits that are power-limited
- Available in 500 ft or 1,000 ft tangle-free boxes or spools



Part #	Mfg #	Description	Price
201661	31155012	18/4 Stranded Plenum 500' Roll	

**Solid CL2P Plenum Thermostat Cable**

- Braided ripcord
- Sunlight resistant except CL2P
- For use with all power-limited circuits
- For wiring of thermostat controls, heating and air conditioning equipment, doorbells, as well as other low voltage applications



Part #	Mfg #	Description	Price
094125	47660312	18/8 Solid Plenum 250' Roll	

**Tracer Wire**

- For water pipes, fiber optics, gas pipes, and dog containment systems
- Polyethylene insulation
- 600V Direct burial
- UL Listed

Part #	Mfg #	Description	Price
104923	13045006	12 AWG 1/C Solid, 500' Blue	
159042	13045002	500' Yellow	



**Transformers**

**Transformers**

**AT72 NEMA Standard Transformer**

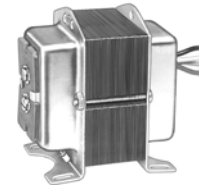
- 24V Control circuit step-down transformer designed to power any 24V control system, including thermostats, gas valves and relays
- NEMA Type D, meets NEC Class 2 Not Wet, Class 3 Wet and UL 1585 requirements
- Color-coded lead wire for primary connections
- 9" Lead wire (primary)
- Combination mount can be foot-mounted, plate-mounted on 4 x 4", 4" octagon or 2" x 4" electrical boxes (transformer all above or 3/4 above plate) or clamp-mounted via a junction box knockout



Part #	Mfg #	Output (100 % Factor)	Primary Voltage @ 50/60 Hz	Secondary Voltage (Open Circuit)	Mounting	Electrical Connections Secondary	Price
006714	AT72D1683	40VA	120V	26.5	Combination	(2) Screw Terminals	
006715	AT72D1691	40VA	208/240V	26.5	Combination	(2) Screw Terminals	

**AT87 NEMA Standard Transformer**

- Used primarily for powering 24V air conditioning circuits
- NEMA Type E, meets NEC Class 2 Not Wet, Class 3 Wet and UL 1585 requirements
- Overload protection provided
- Color-coded lead wire for primary connections
- 13" Lead wire, built-in protection, primary winding burnout



Part #	Mfg #	Output (100 % Factor)	Primary Voltage @ 50/60 Hz	Secondary Voltage (Open Circuit)	Mounting	Electrical Connections Secondary	Price
006717	AT87A1106	50VA	120/208/240V	26.5	Foot or 4" x 4" Plate	(2) Screw Terminals	

**AT175A Class 2 General Purpose Transformer**

- Color-coded lead wire for primary connections
- 9" Leads (primary)
- Screw terminal secondary
- UL Listed, CSA certified



AT140A



AT175A

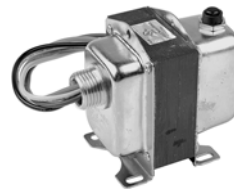
Part #	Mfg #	Output (100 % Factor)	Primary Voltage @ 60 Hz	Mounting	Price
006713	AT140A1000	40VA	120V	Universal-Mount (Plate, Foot & K/O)	
098836	AT140A1018	40VA	120/208/240V	Universal-Mount (Plate, Foot & K/O)	
098838	AT175A1008	75VA	120/208/240V	Universal-Mount (Plate, Foot & K/O)	



**Transformers**

**AT150F/AT175F Circuit Breaker Transformer**

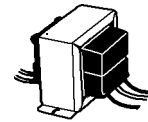
- 9" Leads on primary and secondary
- Includes circuit breaker button
- UL Listed, CSA certified



Part #	Mfg #	Output (100 % Factor)	Primary Voltage @ 60 Hz	Mounting	Price
120399	AT150F1022	50VA	120/208/240V	Conduit & Foot-Mount	

**Transformers**

**Transformers**  
**620 Transformer**  
**Foot Mounted Model**



Part #	Mfg #	VA Rating	-----Blower----- Voltage (50/60Hz)	Lead Length	Price
044319	620-405	40	120V	8"	



## Transformers

### Parts & Accessories Transformer

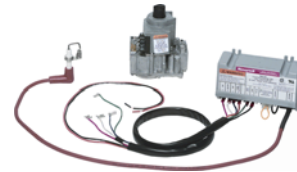
Part #	Mfg #	Description	Price
107986	46-101496-01	120V-24V 40VA Fused Control Transformer (OEM Mount), Leads with 1/4" Insulated Female Quick Connects	
094838	46-101905-01	208/230V Primary 24V Secondary 40VA Transformer	
094839	46-101944-02	120V Transformer	
145468	46-102856-01	Transformer	
037653	46-22863-04	Transformer	
055227	46-23115-02	208/230V-24V 40VA Transformer (OEM Mount), Leads with Stripped Ends	
020764	46-25107-02	Transformer	
030177	46-25107-03	Transformer	
141189	46-25107-04	120/208/240V-24V 40VA Transformer (Channel Mount - 2-Hole), Leads with Stripped Ends	
141509	46-25107-12	120/208/230/460V-24V 75VA Transformer (Channel Mount - 2-Hole), Leads with Stripped Ends	
172658	46-102856-02	120V Primary 24V Secondar 50VA Transformer	

**Universal Ignition Modules**

**Ignition Pilot Modules**

**Y8610U Universal Retrofit Intermittent Pilot Gas Burner Ignition System**

- Complete kit for converting conventional standing pilot systems to intermittent pilot systems
- For use with 24VAC gas-fired atmospheric furnaces, boiler and heating appliances
- Includes:
  - S8610U Intermittent pilot module
  - VR8304M Dual valve combination gas control or VR8204A dual valve combination gas control
  - 392431 Igniter sensor
  - 394800-30 Ignition cable
  - 393691 Natural to LP gas conversion kit
  - Wiring harness
  - 393690-14 3/4" Straight flange kit
  - Reducer adapters for gas control with VR8304M
  - Installation hardware



Part #	Mfg #	Description	Price
021614	Y8610U6006	Y-Pack Containing S8610U3009 & VR8304M w/1/2" x 3/4" Inlet/Outlet, Flange Kit, LP Conversion Kit	

**S8610U Universal Intermittent Pilot Module**

- Field service replacement for most Honeywell, Robert Shaw, Johnson and UTEC (HSC) intermittent pilot ignition modules
- Provides electronic control of most intermittent pilot ignition systems used on gas-fired furnaces, boilers and other heating appliances
- For use in systems with combination igniter-sensor (single rod or dual rod sense)
- 100% Pilot gas shut-off and lockout on loss of pilot flame
- Includes relay contacts for use with any intermittent pilot gas control string with max 1.0A pilot or 2.0A main valve rating
- Honeywell VR8204, VR8304 or VR8345M combination gas control recommended
- Functional equivalent of S86, S8600, S8610 and S90 modules
- Includes spark cable adapters to allow field replacement of both Honeywell and competitive controls without replacing existing spark cable
- Includes damper connection and automatic vent damper plug

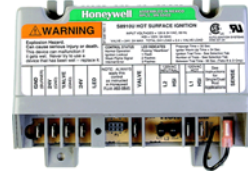


Part #	Mfg #	Description	Price
102849	S8610U3009	NG or LP Gas, 90 Second Trial for Ignition, 6-Minute Wait, Continuous Retry (Replaces S8610U1003)	

**Universal Ignition Modules**

**S8910U Universal Hot Surface Ignition Module**

- Provides operating control of a direct ignition system using 120VAC hot surface igniter
- Replaces most hot surface ignition modules manufactured by Honeywell, Robert Shaw and White-Rodgers
- Flame failure response time: 1.5 seconds
- For local (single rod) or remote (dual rod) rectification type flame sensing
- Provides (1) or (3) ignition trials (4-second or 7-second trials) per call for heat; pre purge of 32-seconds or less; up to 96-seconds between purge trial times
- Number of trials for ignition and trial time is determined by the selection tab. If a selection tab is not installed, the module will operate at 4-seconds trial time and (1) ignition trial
- Temperature range: -40° to 175°F



Part #	Mfg #	Description	Price
016077	S8910U1000	60 Hz Frequency	
229139	S89103000	50 Hz; 60 Hz Frequency	

**S9200U Hot Surface Ignition Control**

- Universal hot surface ignition integrated furnace control
- Controls a standard induction-type circulating fan motor
- Can be used with conventional thermostats as well as the EnviraCOM™ enable VisionPRO IAQ and FocusPRO
- Main burner ignition using a 120V hot surface igniter
- Flame rectification circuit to monitor flame presence
- Monitors system pressure switch, high temperature limit, and Rollout functions



Part #	Mfg #	Description	Price
110086	S9200U1000	Universal Integrated Furnace Control	

**Universal Ignition Modules**

**Pilot Ignition  
Automatic Pilot Relight Kit**



Part #	Mfg #	Description	Price
044310	785-001	24/120V Includes Igniter Assembly & Mounting Bracket	

**780-910 Universal Hot Surface Ignition Module Uni-Kit®**

- Local or remote flame sensors
- 1 or 3 Ignition attempts
- 17 or 34 Second igniter warm-up time
- 34 seconds or less prepurge
- Natural or LP gas controls
- 120VAC



Part #	Mfg #	Description	Price
044309	780-910	100% Lockout/Complete Gas Shutoff if Main Burner Does Not Light After the Selected Trial f/Ignition Sequence Has Been Completed	

**Wire Nuts & Leads**

**Wire Connectors**  
**Screw-On Wire Connector**

- Color-coded connector shells
- Heat resistant up to 221°F
- Resists practically all chemical action
- Unaffected by gasoline, oils, diluted acids and alkaline solutions



Part #	Mfg #	Description	Price
139015	8651	Blue, #22 - #14 AWG, Min 3 #22, Max 2 #16, 300V	
139016	8652	Orange, #22 - #14 AWG, Min 3 #22, Max 3 #16 & 1 #18, 600V	
139017	8653	Yellow, #18 - #12 AWG, Min 1 #14 & 1 #18, Max 2 #14 & 3 #16, 600V	

**Wire Ties & Connectors**

**Wire Ties**  
**Stainless Steel Wire Tie**

Part #	Mfg #	Description	Price
140499	455060	7.5", 250 lb Tensile Strength, 50/Pk	
140500	455061	14.5", 250 lb Tensile Strength, 50/Pk	

**Nylon Wire Tie**

Part #	Mfg #	Description	Price
140502	455063	4" Natural, 100/Pk	
140503	455064	4" UV Black, 100/Pk	
140504	455065	5.5" Natural, 100/Pk	
140506	455066	5.5" UV Black, 100/Pk	
140507	455067	7.5" Natural, 100/Pk	
140508	455068	7.5" UV Black, 100/Pk	
140509	455069	11.5" Natural, 100/Pk	
140510	455070	11.5" UV Black, 100/Pk	
140513	455071	14.5" Natural, 100/Pk	
140514	455072	14.5" UV Black, 100/Pk	
140515	455073	7.5" UV Black, Screw Mount-Heat, 100/Pk	
179377	PD455068	7.5" UV Black, 100/Pk	



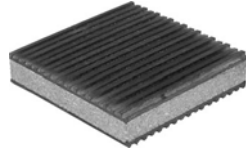
**Vibration Pads**

**Anti-Vibration Pads**

- Reduces vibration and noise from air-conditioning and refrigeration equipment
- Compounded for excellent resistance to aging, compression set and oil

**Cork/Rubber Anti-Vibration Pad**

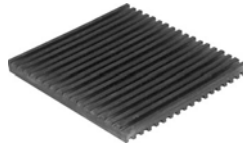
- Solid cross-ribbed design (3/8" thick)
- Ribbed design with cork center (7/8" thick)



Part #	Mfg #	Size	Price
095859	6132	2" x 2" x 7/8"	
120264	6133	3" x 3" x 7/8"	
027603	6134	4" x 4" x 7/8"	

**All Rubber Anti-Vibration Pad**

- Has a solid cross-ribbed design (3/8" thick)
- High quality Elastomeric materials
- 50 lbs per square inch maximum loading capacity



Part #	Mfg #	Size	Price
058036	6434	4" x 4"	
002304	6438	18" x 18"	

## Zone Dampers & Accessories

### Wifi Heat and Cool Accessories

#### TrueZONE™ Wireless Zoning Kit

- Includes TrueZONE panel, transformer and discharge air temperature sensor



Part #	Mfg #	Description	Price
111211	HZ311K	For Conventional, Single-Stage Applications up to (3) Zones	
111209	HZ322K	For Conventional & Heat Pump Applications up to (3) Zones (2 Heat/2 Cool)	
111207	HZ432K	For Conventional, Heat Pump or Dual Fuel Applications up to (32) Zones (3 Heat/2 Cool)	
202880	HZ221K	For Single Stage Heat Pumps w/ Auxiliary Heat Applications up to 2 Zones	

#### Wireless RedLINK™ Adapter

- Allows you to easily add RedLINK™ enabled thermostats to a TrueZONE™ system without running new wires



Part #	Mfg.#	Description	Price
129308	THM4000R1000	Add RedLINK™ Enabled Thermostats to a TrueZONE™ System	

#### TrueZONE™ Panel

- Universal application
- Robust push terminals
- Common-sense LED's
- Clean, professional installation
- Smaller footprint
- Auto changeover
- Variable-speed fan control
- Discharge air temperature compatible
- Resettable fuse
- Individual zone fan control



Part #	Mfg #	Description	Price
111206	HZ432	3 Heat/2 Cool Conv, Heat Pump or Dual Fuel, 4-Zone Expandable, Standard Checkout Procedure	

**Zone Dampers & Accessories**

**Communicating Programmable Thermostats**

**VisionPRO® IAQ Communicating Touchscreen Digital 7-Day Programmable Thermostat**

- Electronic control of 24VAC heating and cooling systems in addition to humidification, dehumidification and ventilation control with just 3 wires to the thermostat in conventional and heat pump systems
- 7-Day multiple day programming or non-programmable
- For use with W8835A Envirazone Panel and THM5421C1008 equipment interface module
- Eliminate the need for fossil fuel kit
- Clear back light display available in large or standard screen
- Precise Comfort control +/- 1°F of your set temperature
- Temperature range:
  - Heat: 40° to 90°F
  - Cool: 60° to 99°F
- Automatic/manual selectable changeover
- Premier White®
- 5-Year warranty



Part #	Mfg #	Description	Price
103348	TH9421C1004	Up to 3 Heat/2 Cool Conventional, up to 4 Heat/2 Cool in Heat Pump Mode	

**Wifi Temperature Sensors**

**C7735A1000 Discharge Air Temperature Sensor**

- Use with THM5320R1000 Equipment Interface Module; TH6320R1004 or TH5320R1002 Wireless FocusPRO® Thermostat
- Mount on return duct for backup control of non-zoned systems RedLINK™ enabled wireless systems
- Works with EIM to maintain safe indoor temperatures if power is lost at the wireless thermostat
- Operating temperature range: 0° to 200°F
- Dimensions: 3-7/8"H x 4-1/8"W x 1-1/4"D
- Gray



Part #	Mfg #	Description	Price
068726	C7735A1000	Discharge Air Temperature Sensor, Includes Mounting Hardware	

**Zone Control Dampers**

**Automatic Round Damper**

- Galvanized steel, single-blade damper
- Side or top motor mount
- Used with Honeywell zoning systems
- 24V, 60Hz, 2-Position motor type, (2) wires to motor



Part #	Mfg #	Size	Price
179708	ARD6TZ/U	6"	
179709	ARD8TZ/U	8"	
179704	ARD10TZ/U	10"	
179705	ARD12TZ/U	12"	

**Zone Dampers & Accessories**

**Zone Control Dampers (Continued)**  
**Automatic Round Damper**

Part #	Mfg #	Size	Price
179707	ARD14TZ/U	14"	

**Retrofit Round Damper**

- Inserts into rigid round ducts for retrofit zoning in forced air heating and cooling
- Power open, power closed actuator draws 2.5 VA allowing multiple dampers per zone



Part #	Mfg #	Size	Price
104578	RRD6	6"	

**TrueZONE® Bypass Pressure Regulating Damper**

- Quick installation and setup
- No weight to adjust
- Can be installed in any orientation
- Engineered to provide constant system pressure regardless of changes in zones ceiling or blower speed



Part #	Mfg #	Size	Shape	Price
155823	CPRD8U	8"	Round	
155822	CPRD10U	10"	Round	
155824	CPRD12U	12"	Round	
155885	CPRD14U	14"	Round	

**ZD Series Damper**

- Power close, spring open
- 24V Spring-return motor used to control circulating air in HVAC systems
- Used when a normally open damper is required, typically used with the TrueZONE™ systems and other electronic zoning damper systems
- Kevlar gearing reduces wear, more than doubling damper life
- Adjustable range stops
- Mechanical visual position indicator for damper status
- Solid construction using extruded aluminum frame and blades
- Parallel blade design for low leakage performance
- Quieter operation with fewer blades
- Simple, easy-to-wire, 2-wire installation
- Compatible with conventional and networked zoning
- Ordering Instructions: Order ZD + dimension 1 x dimension 2; note: motor is always mounted on dimension 2 side
- Damper can be installed in any orientation (mounting side can be on either the bottom or the side of the duct)



Part #	Mfg #	Size	Shape	Motor Mount	Price
179655	ZD8X8TZU	8" x 8"	Square	Side	

**Zone Dampers & Accessories**

**Zone Control Dampers (Continued)**

**ZD Series Damper**

Part #	Mfg #	Size	Shape	Motor Mount	Price
179656	ZD8X10TZU	8" x 10"	Rectangular	Bottom	
179657	ZD8X12TZU	8" x 12"	Rectangular	Bottom	
179658	ZD8X14TZU	8" x 14"	Rectangular	Bottom	
179659	ZD8X16TZU	8" x 16"	Rectangular	Bottom	
179660	ZD8X18TZU	8" x 18"	Rectangular	Bottom	
179661	ZD8X20TZU	8" x 20"	Rectangular	Bottom	
179662	ZD8X22TZU	8" x 22"	Rectangular	Bottom	
179663	ZD8X24TZU	8" x 24"	Rectangular	Bottom	
179703	ZD8X24TZU	8" x 28"	Rectangular	Bottom	
179664	ZD10X8TZU	10" x 8"	Rectangular	Side	
179697	ZD10X10TZU	10" x 10"	Square	Side	
179698	ZD10X12RZU	10" x 12"	Rectangular	Bottom	
179694	ZD10X14TZU	10" x 14"	Rectangular	Bottom	
179695	ZD10X16TZU	10" x 16"	Rectangular	Bottom	
179696	ZD10X18TZU	10" x 18"	Rectangular	Bottom	
179699	ZD10X20TZU	10" x 20"	Rectangular	Bottom	
179700	ZD10X24TZU	10" x 24"	Rectangular	Bottom	
179665	ZD12X8TZU	12" x 8"	Rectangular	Side	
204141	ZD12X10TZU	12" x 10"	Rectangular	Side	
113931	ZD12X12TZU	12" x 12"	Rectangular	Side	
205075	ZD12X14TZU	12" x 14"	Rectangular	Side	
208374	ZD12X16TZU	12" x 16"	Rectangular	Side	
179666	ZD14X8TZU	14" x 8"	Rectangular	Side	
204142	ZD14X10TZU	14" x 10"	Rectangular	Side	
179667	ZD16X8TZU	16" x 8"	Rectangular	Side	
207829	ZD16X10TZU	16" x 10"	Rectangular	Side	
206764	ZD16X12TZU	16" x 12"	Rectangular	Side	
206512	ZD16X16TZU	16" x 16"	Square	Side	
179668	ZD18X8TZU	18" x 8"	Rectangular	Side	
179669	ZD20X8TZU	20" x 8"	Rectangular	Side	
179701	ZD20X10TZU	20" x 10"	Rectangular	Side	
205792	ZD20X12TZU	20" x 12"	Rectangular	Side	
179670	ZD22X8TZU	22" x 8"	Rectangular	Side	
207321	ZD22X10TZU	22" x 10"	Rectangular	Side	
179671	ZD24X8TZU	24" x 8"	Rectangular	Side	
213765	ZD24X10TZU	24" x 10"	Rectangular	Side	

**Zone Dampers & Accessories**

**Damper Actuators**

**M847D 24VAC Spring Return Damper Actuator**

- 2-Position, 24 VAC spring return actuator for ARD, EARD, and ZD dampers
- Low voltage, spring-return damper actuator.
- Equipped with anti-rotation and drive shaft extensions for direct mounting to 7/16 inch diameter coupling style dampers.
- Adjustable range stops.
- Direct replacement for M847D1004



Part #	Mfg #	Description	Price
185746	M847D-ZONE	Replacement Motor for ARD and ZD Dampers	

**MSTN Damper Actuator**

- Power open/power close damper motor
- Use with MVRV; MVRH; SRTD; IOBD; AOBD-BM; AOBD; ASCD; ARCD



Part #	Mfg #	Description	Price
023257	MSTN	3-Wire 24V Actuator Motor	

**Zone Control Accessories**

**Freeze Protection Control**

- Breaks Y circuit to compress below 36°F and remakes it at 46°F
- For use with minizone panels



Part #	Mfg #	Description	Price
023258	FPC	Protects A/C Coil From Freezing Due to Low Air Flow or Excessive Bypass Air	

**Fresh Air Ventilators**

**Y8150 Fresh Air Ventilation System**

- "Set it and forget it" program calculates needs based on square feet and number of rooms, etc.
- Operates a fresh air intake damper and when necessary activates the main HVAC blower to efficiently meet ASHRAE ventilation rates
- Includes W8150A fresh air ventilation control, EARD6 normally closed 6" damper, AT120B 120VAC/24VAC 20VA transformer, mounting hardware, homeowner information label
- 5-Year warranty



Part #	Mfg #	Description	Price
179801	Y8150A1017	50 to 160 CFM Fresh Air Ventilation System	

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## Duct Insulation & Adhesives

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### Duct Liner Insulation Adhesives

#### Insta-Tack™ Insulation Adhesive

- *Instant-tacking, solvent-based spray booth application*
- *UL Classified*



Part #	Mfg #	Size	Color	Price
124942	308591	1 gal	Red	

**Duct Liner**

**Duct Liner**

Part #	Mfg #	Size	Price
058537	INS1259100	1/2" x 59" x 100'	

**Black Duct Liner**

Part #	Mfg #	Size	Price
005629	3010031	1/2" x 47" x 100'	
141887	3010033	1/2" x 59" x 100'	
005631	3010005	1" x 47" x 100'	
190433	SOIT-01	1/2" x 47-1/2" x 100'	

**Duct Board**

Part #	Mfg #	Size	Price
222851	3004001	4 x 10'	





Duct Wrap

Foil Duct Wrap

Foil Duct Wrap - R4.2

Part #	Size	Price
005622	1-1/2" x 48" x 100'	

Foil Duct Wrap - R6

Part #	Size	Price
131777	2" x 48" x 75'	
190435	2-1/8" x 48" x 75'	

Foil Duct Wrap - R8

Part #	Size	Price
094791	3" x 48" x 50'	

## Duct Liner

### Duct Liner

#### rFOIL Big8™ Reflective Bubble with Spacer

- 97% reflectivity.
- Inhibits condensation, mold and fungi growth
- Helps reduce heat loss through your duct surfaces
- Raises your cooling and heating efficiency
- Performance Tested UL723 Test Standard
- Class 1 / Class A fire rating approved
- Only 1" Thick for minimal space requirements

Part #	Mfg #	Size	Price
237000	2280-48-050	48" x 50'	
237030	2280-48-075	48" x 75'	

#### Thermo Reflect Reflective Double Bubble

- 97% reflectivity
- Easy to install
- Fiber free and environmentally friendly
- Inhibits condensation, mold and fungi
- NFPA 286 Full Room Burn Test Approved
- Helps reduce heat loss through your duct surfaces
- Raises your cooling and heating efficiency
- Helps ensure better climate control and comfort
- R-6 with air-space, R-4.3 without air-space
- ASTM E84-Class 1/Class A fire rating approved also
- ASTM C411-Passed

Part #	Mfg #	Size	Price
189839	T12290-36-050	36" x 50'	
195275	T12290-48-125	48" x 125'	
197219	T12290-60-125	60" x 125'	

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## Duct Liner

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### Mastic Duct Sealants

#### Duct-Seal™ 321

- Indoor/outdoor use
- Water-based
- All pressure classes
- UL Classified



Part #	Mfg #	Size	Color	Price
094151	DS-321	1 gal	Gray	

## Foam Board

### In-Floor Heating Systems

#### Thermo-Snap™ Foam Board

- Quick, easy PEX tube installation
- Panels hold PEX in place during concrete pour - no float or displacement
- Retains strong bond with concrete
- Panels are easily trimmed to accommodate custom shapes



Part #	Mfg#	Size	PSI	Price
158110	24416PSI	2" x 4' x 4'	16	
159066	24425PSI	2" x 4' x 4'	25	
177240	2124416PSI	2-1/2" x 4' x 4'	16	
177241	2124425PSI	2-1/2" x 4' x 4'	25	

**Fiberglass Pipe Insulation**

**Fiberglass Pipe Covering**

Part #	Mfg #	Size	Price
005607	3001000	1/2" x 1/2"	
076280	3001100	1/2" x 1"	
189766	3001000	7/8" x 1/2"	
005613	3001001	5/8" x 1/2'	
005611	3001002	3/4" x 1/2"	
005604	3001003	1" x 1/2"	
005606	3001004	1-1/4" x 1/2"	
005605	3001005	1-1/2" x 1/2"	
005608	3001006	2" x 1/2"	
005640	3001110	3" x 1"	

**Insulation Tape**

**Insulation Tape  
Cork Insulation Tape**

- Adheres firmly to all metals
- Can be used on hot and cold pipes
- Won't dry or crack
- Stops condensation and drips



Part #	Mfg #	Description	Price
002287	1006	1/8" x 2" x 30' Roll	

**Foam Insulation Tape**

- Self-adhesive tape
- Easily cut and molded
- Works on both hot and cold pipes, valves and fittings



Part #	Mfg #	Description	Price
002288	1007	1/8" x 2" x 30' Roll	

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**Insulation Tape**

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**Insulation Accessories**

**ASJ White Tape for Fiberglass**

Part #	Mfg #	Size	Price
087593	3043052	3" x 50 yds	

**FSK Tape for Foil Wrap**

Part #	Mfg #	Size	Price
010342	3043040	3" x 50 yds	

**Insulation Tape**

**Polyken Pipeline Accessory Products**

**Polyken 826 Joint and Pipe Wrap Tape**

- 12 mil Thickness
- Tensile strength: 25 lb/in
- Polyethylene joint and pipe wrap
- Use Polyken primer for surface prep
- Corrosion protection for use interior, exterior and in-ground of small diameter pipe



Part #	Mfg #	Size	Color	Price
010352	826	2" x 100'	Black	



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## Mechanical Fasteners

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### Insulation Fasteners

#### Weld-Ons™



Part #	Mfg #	Size	Qty	Price
132418	308119	1/2" Flat Head	5,000/Box	
132419	308120	3/4" Flat Head	5,000/Box	

**Duct Fasteners**

**Insulation Fasteners**

**DynaStick Self-Adhesive Hanger  
with Steel Washer**



Part #	Mfg #	Size	Pack	Price
005633	26071	2"	100	
157583	SAH34	3/4"	100	

**Standard Bangers™**



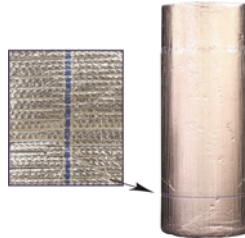
Part #	Mfg #	Size	Pack	Price
005637	BGT-12	1/2" - 2 lbs	1,000	

## R-Foil Insulation

### Reflective Insulation

#### Reflective Duct Insulation

- Double layer of polyethylene bubbles sandwiched between two highly reflective surfaces
- Three methods of installation that will yield thermal resistances of R-4.3, R-5.5 and R-6.0
- Class 1/Class A in accordance with ASTM E84 fire test standard
- Vapor barrier
- Inhibits condensation, mold and fungi growth
- Non-toxic and non-carcinogenic
- Reflects 94% of radiant heat



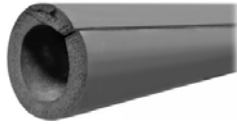
Part #	Mfg #	Description	Price
098392	2290-48-100	48" x 100' Insulation	

## Rubber Pipe Insulation

### Pipe Insulation

#### Double Stick Rubber Pipe Insulation

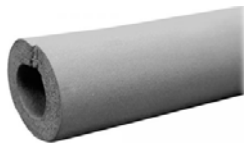
- 318' (I80) or 24' (I81) per carton
- Environmentally friendly
- Split with adhesive on both sides
- CFC-free
- Color – Black with blue ink
- Easy installation, flexible



Part#	Mfg#	Size	Wall	Price
229189	I80-034	3/4" OD	3/8"	
242308	I81-418	4-1/8 OD	1/2"	

#### Seamless Rubber Pipe Insulation

- Environmentally friendly
- Tough skin withstands tearing, rough handling and severe environmental conditions
- CFC-Free
- Color: black with blue ink
- Flexible



Part #	Mfg #	Copper (IPS/PVC)	Wall	Price
015045	I60-038	3/8" OD	3/8"	
013153	I60-050	1/2" OD (1/4")	3/8"	
015580	I60-058	5/8" OD (3/8")	3/8"	
014724	I60-075	3/4" OD	3/8"	
015774	I60-078	7/8" OD (1/2")	3/8"	
013018	I60-118	1-1/8" OD	3/8"	
013450	I60-138	1-3/8" OD	3/8"	
013631	I60-158	1-5/8" OD (1-1/4")	3/8"	
012476	I60-200	2" OD (1-1/2")	3/8"	
014204	I60-218	2-1/8" OD	3/8"	
013841	I60-250	2-1/2" OD (2")	3/8"	
014278	I60-258	2-5/8" OD	3/8"	
014511	I60-318	3-1/8" OD	3/8"	
014366	I60-350	3-1/2" OD (3")	3/8"	
092086	I61-058	5/8" OD (3/8")	1/2"	
092087	I61-075	3/4" OD	1/2"	
092578	I61-078	7/8" OD	1/2"	
092579	I61-118	1-1/8" OD	1/2"	
140961	I61-138	1-3/8" OD	1/2"	
126912	I61-158	1-5/8" OD (1-1/4")	1/2"	
126911	I61-200	1-1/2" IPS	1/2"	
143431	I61-218	2-1/8" OD	1/2"	
126909	I61-250	2-1/2" OD (2")	1/2"	
074497	I61-358	3-5/8" OD	1/2"	
122310	I61-450	4-1/2" OD (4")	1/2"	
237573	I62-038	3/8" OD	3/4"	

### Pipe Insulation (Continued)

#### Seamless Rubber Pipe Insulation

Part #	Mfg #	Copper (IPS/PVC)	Wall	Price
173788	I62-058	5/8" OD	3/4"	
237572	I62-050	1/2" OD (1/4"IPS)	3/4"	
173789	I62-075	3/4" OD	3/4"	
173790	I62-078	7/8" OD	3/4"	
173791	I62-118	1-1/8" OD	3/4"	
173792	I62-138	1-3/8" OD	3/4"	
173793	I62-158	1-5/8" OD	3/4"	
173795	I62-200	1-1/2" OD	3/4"	
173796	I62-218	2-1/8" OD	3/4"	
173797	I62-250	2" OD	3/4"	
173798	I62-258	2-5/8" OD	3/4"	
173911	I62-350	3" OD	3/4"	
227362	I63-058	5/8" OD	1"	

#### Double Stick Pipe Insulation

- Complete seal assured on hot or cold water pipes
- (2) Strips of self-adhesive mylar seal easily at any length
- 100% Closed cell polyethylene
- Temperature range: -160° to 200°F



Part #	Mfg #	Size	Wall	Price
014723	I52-034	3/4" Nom ID	3/8"	
015579	I52-058	5/8" Nom ID	3/8"	
015773	I52-078	7/8" Nom ID	3/8"	
013017	I52-118	1-1/8" Nom ID	3/8"	
013449	I52-138	1-3/8" Nom ID	3/8"	
055569	I52-158	1-5/8" Nom ID	3/8"	
101687	I52-178	2" Nom ID	3/8"	
045207	I52-218	2-1/8" Nom ID	3/8"	
142337	I52-238	2-3/8" Nom ID	3/8"	
086331	I52-258	2-5/8" Nom ID	3/8"	
072530	I52-318	3-1/8" Nom ID	3/8"	
191221	I53-038	3/8" Nom ID	1/2"	
191220	I53-058	5/8" Nom ID	1/2"	
191223	I53-075	3/4" Nom ID	1/2"	
191224	I53-078	7/8" Nom ID	1/2"	
191234	I53-218	2-1/8" Nom ID	1/2"	
191225	I53-118	1-1/8" Nom ID	1/2"	
191231	I53-138	1-3/8" Nom ID	1/2"	
191226	I53-158	1-5/8" Nom ID	1/2"	
191233	I53-178	2" Nom ID	1/2"	
191241	I53-238	2-3/8" Nom ID	1/2"	
191243	I53-258	2-5/8" Nom ID	1/2"	

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## Rubber Pipe Insulation

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### Pipe Insulation (Continued)

#### Double Stick Pipe Insulation

Part #	Mfg #	Size	Wall	Price
191240	I53-312	3-1/2" Nom ID	1/2"	
140583	I53-418	4-1/8" Nom ID	1/2"	
032093	I53-412	4-1/2" Nom ID	1/2"	
129849	I57-078	7/8" Nom ID	1"	

#### Insulation Contact Adhesives

- Fast tack
- Brush top cans
- For use with rubber insulation only



Part #	Mfg #	Size	Price
005643	IA1100	1 Pt	

**Cleaners**

**Hand Cleaners**

**Klein Kleaners® Hand Cleaning Towels**

- *Pre-moistened towels*
- *Powerful, gentle, pumice like cleansing action*
- *No rinsing, no drying, no residue*
- *10-1/2" x 12-1/4"*



Part #	Mfg #	Description	Price
125643	51425	(72) Count Tub	



## Cleaners

### (Hand Cleaners)



38156

Part #	Mfg #	Description	Price
041715	38050	Towels-In-A-Tub, Resealable	
017668	38156	Plumb Label Power Scrub	

### Cit-Grit Hand Cleaner

- Natural citrus formula, biodegradable
- Contains aloe, lanolin and jojoba oil
- Flip-top spout plastic bottle



Part #	Mfg #	Description	Price
005539	038125	15 fl oz	

## Cleaners

### Ice Machine Maintenance

#### IMS-III Sanitizing Concentrate

- EPA Registered
- Registered in all 50 states
- Controls slime build-up on all hard surface areas
- Bacteria will not grow or multiply
- Controls mold and mildew formation
- Eliminates odor



Part #	Mfg #	Description	Price
202563	4211-34	16 fl oz	

### De-Greasing Solvents

#### Degreasing Solvent EF

- Dries at a controlled rate, leaving no residue
- Dissolves grease and oil in seconds
- Has a dielectric strength greater than 26,000 volts
- Non-corrosive
- Environmentally & Ozone safe



Part #	Mfg #	Description	Price
221598	4083-75	EF- 14oz Can	

### Nickel-Safe IMC

- Specially formulated citric/phosphoric food-grade product for removing scale deposits from ice makers having nickel-plated or tin-plated evaporators



Part #	Mfg #	Description	Price
208988	4287-08	1 Gallon	
208987	4287-34	16 fl oz	

### Hand Cleaners

#### Great Wipes

- Industrial strength hand towels
- Waterless wipes made specifically for the A/C, and Plumbing services
- Absorbent, non-scratching abrasive hand towels



Part #	Mfg #	Description	Price
189899	4185-75	75/Pk	

### Urinal Cleaners

#### UrinaKleen Urinal Cleaner

- Acid-based bowl cleaner removes scale deposits and odors
- Ideal for dissolving rust, urinary salts and mineral scale from flush tanks, urinal drains and bowls



Part #	Mfg #	Description	Price
159421	4590-24	1 Quart	
159422	4590-08	1 Gallon	






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## Cleaners

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### Cleaners

#### Gel-Gloss® Cleaner

- *Contains non-harmful abrasive cleaning agents that remove surface oxidation and light scratches while leaving behind a protective carnauba wax coating*
- *Cleans, protects and restores luster while providing a long lasting protective finish*

Part #	Mfg #	Description	Price
120346	GA-12	12 oz, Aerosol	

#### Gel-Gloss® No-Streak Glass & Silver Polish Cleaner

- *Contains silicone and protects like a wax*
- *Wipe it on, allow it to dry to a haze and polish it off*
- *Cleaner works aggressively on hard water spots and tough residue*
- *Beads water and leaves behind a protective coating*

Part #	Mfg #	Description	Price
141442	NS-8	1/2 pt	



## Lubricants

### Pipe Joint Lubricant

#### Plumber's Faucet & Valve Grease

- *Waterproof*
- *Resists high temperature*
- *Frees sticky faucets, prevents rust*
- *Use on hot water or steam up to 350°F*



Part #	Mfg #	Description	Price
029140	05005012	1 oz Tube	

**Lubricants**

**Lubricants**

**Pull-A-Spout Oiler**

- All purpose oiler
- 14" Telescoping spout



Part #	Mfg #	Size	Price
002300	CO-1	4 oz	

**Rust Breaker**

- Loosens rusted bolts, screws, shafts, piping etc
- Telescoping spout applicator



Part #	Mfg #	Size	Price
002299	CR-1	4 oz	



## Lubricants

### Lubricants

#### Dow 111 Silicone Lubricant

- For o-rings and valve stems



Part #	Mfg #	Tub Size	Price
060945	963-01	1/4 Ounce	

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## Lubricants

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### WD-40® Lubricants

- *Cleans, lubricates, displaces moisture*
- *Penetrates stuck metal parts*
- *Protects against rust and corrosion*



Part #	Mfg #	Size	Price
045103	S95-700	8 oz	

**Radon Fans**

**Fans for Radon Applications**

- 4-1/2" Pipe diameter, 115V
- Improved UV-resistant housings approved for commercial applications
- Sealed housings and wiring boxes to prevent Radon leakage or water penetration
- Energy efficient permanent split capacitor motors
- External wiring box
- UL Approved for wet locations (outdoors)
- Full 5-year factory warranty



**HP Series Radon Fans**

Part #	Mfg #	Wattage Range	Max Amps	CFM @ 0.75"	Price
113123	HP2133	14 - 20W	0.17A	19	
113124	HP2190	60 - 85W	0.78A	104	

## Radon Pits and Lids

### Radon Sewage Basins

- *Constructed of durable, corrosion-resistant polyethylene resin*

#### Economy Basin - 18" x 22"

- *Designed for new construction or retrofit applications*
- *Rotationally molded*
- *22 Gallon capacity*



Part #	Mfg #	Description	Price
180279	E222001UD	4" Inlet Grommet	

### Radon Economy Basin - 18" x 22"

- *Includes: gas-tight Ringer grommets*
- *22 Gallon capacity*



Part #	Mfg #	Description	Price
013695	B22SSR	Gas-Tight Simplex Steel Cover	

## Radon Pits and Lids

### Radon Sump Pump Basins

#### Corrugated Pit and Radon Lid

- Includes:
  - (1) 18" x 24" Pit
  - (1) 18" Radon pit lid (SLR1)



Part #	Mfg #	Description	Price
133074	COMBO RADON	Radon Pit & Lid	

### Accessories

#### GOLDLINE® Radon Safety Locking Lid

- For radon abatement systems
- Child-proof, rugged self-locking lid is drilled for gasketed piping and venting
- Includes gaskets



Part #	Mfg #	Description	Price
133071	SLR1	Radon Safety Locking Lid	



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**Airease Repair Parts & Accessories**

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**Parts & Accessories**

Part #	Mfg #	Description	Price
208935	H4TXV01-HP	1.5-3T HP/AC TXV	
208936	H4TXV02-HP	3-5/T HP/AC TXV	
208937	H4TXV03-HP	4-5/T HP/AC TXV	
209605	AEHBCC05CSA1	1.821056 5KW Heat Kit	
209606	AEHBCC07CSA1	1.821057 7.5KW Heat Kit	
209607	AEHBCC10CSA1	1.821058 10KW Heat Kit	
209608	AEHBCC15CSA1	1.821046 15KW Heat Kit	
209609	AEHBCC20CSA1	1.821048 20KW Heat Kit	
208677	ECB255CBP	12R60 5KW H/K *SER 2	
208678	ECB2575CBP	12S08 7.5KW HK *SER 2	
208679	ECB2510CBP	12S60 10KW H/K *SER 2	
209590	ECB25125CBP	12S77 12.5KW *SER 2	
208680	ECB2515CBP	12S87 15KW H/K *SER2	

## American Standard Repair Parts

### Faucet Repair/Replacement Parts

#### Diaphragm Kit

Part #	Mfg #	Description	Price
001906	72940-0700	Aquaseal Diaphragm f/Heritage (Pr)	

### Toilet Repair/Replacement Parts

#### Flapper

Part #	Mfg #	Description	Price
026083	47146-0070A	Am Std, Rubber Flapper	

#### Tank-to-Bowl Kit

Part #	Mfg #	Description	Price
001760	47060-07	Am Std, Tank-to-Bowl Kit	

#### Toilet Flush Actuator

Part #	Mfg #	Description	Price
001662	33642-0700	Am Std, Toilet Actuating Valve for #5 w/Disc, Chain, Clip & Grommet	

#### Toilet Installation

Part #	Mfg #	Description	Price
001663	33643-0700	Am Std, Snap-on Seat Disc for 2031.016 Heritage Toilet	

#### Trip Lever

Part #	Mfg #	Description	Price
001778	47242-0020A	Am Std, Chrome f/Cadet II	
001779	47242-0200A	Am Std, White f/Cadet II	



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## Basco Repair Parts

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### Tub & Shower Accessories Self-Adhesive Tape

Part #	Mfg #	Description	Price
048292	SC4248	Self Adhesive Tape	

### Vinyl

Part #	Mfg #	Description	Price
048294	SCV284	Tapered Drip Vinyl, 37"	



## Bell & Gossett Repair Parts

### Check-Trol™ Isolation Flow Control Flange Sets

- Packaged with an isolation flange of the same size as a pair
- For circulator installations, gives you features of flow control valve, isolation valve and companion flange
- Cap screws and nuts included
- Maximum working pressure: 150 psi
- Maximum operating temperature: 200°F



**Flange for NRF/NBF/SSF Wet Rotors (Except NRF-45 & NBF-45),  
Series PL-30, PL-36, PL-55, Series 100, PR & LR**

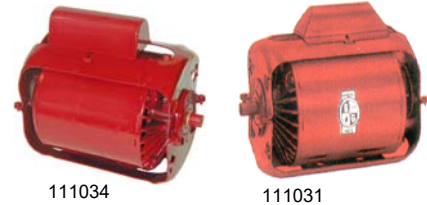
Part #	Mfg #	Model	Size	Price
079000	101232	CTF-1	1" NPT x Flange	

**Flange for 4JA87, 4JA88, 4PD08, 4PD11, 4P976, 4P977, 4RC92, 4RD05, 4RD10, 4RD17, 5P428, 5P433, All Taco  
Bronze Pumps Except 4PC79**

Part #	Mfg #	Model	Size	Price
002423	101208LF		3/4" NPT x Flange	

### Pump Motors and Accessories

#### Power Pack Motor



Part #	Mfg #	Phase	Voltage	HP	Price
002433	111034	Single	115V	1/12	
002432	111031	Single	115V	1/6	

#### Motor Coupler



Part #	Mfg #	Description	Price
002446	118473	For PD-35, PD-37, 60 "AA", 1522 (1/2" Shaft Frame)	
002452	118705	Pump Coupler for Series 100, HV, 2", PR	

#### Seal Kit

Part #	Mfg #	Description	Price
002457	186862	Seal Kit #1 1-1/4" ID Bronze Fit	



## Bell & Gossett Repair Parts

### Bearing Assembly



Part #	Mfg #	Description	Price
002455	118844	For 100 Series NFI & BI	
048806	185332	For PD-35, PD-37, 60 "AA"; IB, BF or AB	
002462	189105	For Series PR, 2-1/2", LD-3, HD-3	
002465	189134	Series 100	
044637	189163	Obsolete 1-1/2", Obsolete 2", Obsolete HV	
044778	189165	For HV, 2", 1-1/2" Obsolete IB or BI	

### Flange Gasket Set



Part #	Mfg #	Description	Price
002442	118373	For 1-1/2", HV and All 1-1/2AA or 1-1/2A Models	
002441	118368	For LR, PL-30, PL-36, Series 100, PR, 60 1AA, 60 11/4AA, PL-55 and All 1AA or 1-1/4AA Models	

### Parts & Accessories



Part #	Mfg #	Description	Price
002407	L23401	1.5 oz Oil Tube	
002454	118723	Coupler	

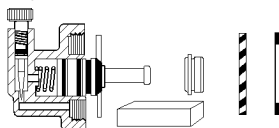
**Bradley Washfountain Repair Parts**

**Classic Washfountain Parts**

**Foot Valve Repair Kit**

• Includes:

- S21-027 Needle assembly
- S64-006 Valve plunger assembly
- 125-001BW Gasket
- 117-016 Valve seat
- 125-001Y Diaphragm
- 124-001V Fibre washer
- 110-095 Body-needle valve
- 135-001P Spring
- 130-033 Key-valve seat



Part #	Mfg #	Description	Price
002730	S65-001A	Foot Valve Repair Kit	

## Chicago Faucet Repair Parts

### Handles & Handle Parts



Part #	Mfg #	Description	Finish	Price
002876	369-PRJKCP	(2) 2-3/8" ADA Levers with Hot/Cold Index Buttons	CP	

### Faucet Stem & Cartridge



1-099XTJKNF/1-100XTJKNF

377-XTRHJKNF/377-XTLHJK

Part #	Mfg #	Description	Finish	Price
016112	1-099XTJKNF	New Style RH Quatum™ Short Stem Unit for Exposed Valve (12/Box Only)	NF	
056563	1-099XKJKNF	RH Ceramic Short Stem Unit for Exposed Valve (12/Box Only)	NF	
016112	1-099XTJK(AB)NF	New Style RH Quatum™ Short Stem Unit for Exposed Valve (12/Box Only)	NF	
016111	1-100XTJKNF	New Style LH Quatum™ Short Stem Unit for Exposed Valve (12/Box Only)	NF	
056562	1-100XKJKNF	LH Ceramic 1/4-Turn Short Stem Unit for Exposed Valve	NF	
099706	377-XKLHJKNF	LH Ceramic 1/4-Turn Long Stem Unit for Concealed Valve (Sold by box 12/Lot)	NF	
099700	377-XKRHJKNF	RH Ceramic 1/4-Turn Long Stem Unit for Concealed Valve (Sold by box 12/Lot)	NF	
002877	377-XTLHJKNF	LH Quatum™ Long Stem Cartridge for Concealed Valve (Sold by box 12/Lot)	NF	
002878	377-XTRHJKNF	RH Quatum™ Long Stem Cartridge for Concealed Valve	NF	
020910	386-XSLOJKNF	Urinal Push-Button Cartridge	NF	

### Pre-Rinse Faucet Components

#### Stainless Steel Hose/Handle Assembly

- Insulated handle
- 3/4"-14 UNS Female outlet, 3/8" MNPT inlet
- T&S & Fisher adapters supplied



Part #	Mfg #	Description	Finish	Price
068698	83-44NF	44" Stainless Steel Hose/Handle Assembly	NF	

### Single Water Inlet Fittings

#### Deck-Mount Fitting

- Solid brass body construction
- 5-1/4" Rigid/swing gooseneck spout
- 1/2" NPSM Coupling nut for 3/8" or 1/2" flexible riser
- Mounting hardware included



Part #	Mfg #	Description	Finish	Price
002897	626-E3CP	1-Hole, E3 Softflo Pressure Compensating Aerator	CP	

## Chicago Faucet Repair Parts

### Spouts

- Fits 1-1/16"-18 UNEF male body outlet



DJ13JKCP



L8JKCP

Part #	Mfg #	Description	Finish	Price
002797	DJ13JKCP	Double Jointed Swing Spout, 3-7/8"H, 13" Reach, E3 Softflo® Aerator	CP	
002798	DJ18JKCP	Double Jointed Swing Spout, 3-7/8"H, 17-3/4" Reach, E3 Softflo® Aerator	CP	
002811	L8JKCP	L-Type Swing Spout, 4-3/8"H, 8" Reach, E3 Softflo® Aerator	CP	
020853	L9JKCP	L-Type Swing Spout, 6-1/2"H, 9-1/2" Reach, E3 Softflo® Aerator	CP	
002810	L12JKCP	L-Type Swing Spout, 4-5/8"H, 12" Reach, E3 Softflo® Aerator	CP	
002812	S6JKCP	Swing Spout, 1-3/4"H, 6" Reach, E3 Softflo® Aerator	CP	

### Gooseneck Spouts

- Available in numerous standard dimensions
- Heavy 11/16" OD chrome-plated brass tubing
- Inlet union nut for quick change out
- Allows for field conversion of gooseneck spouts from rigid to swing AND vice-versa

#### Type A Gooseneck Spout

- Designed to accept Group A spout ends
- Fits 1-1/16"-18 UNEF male body outlet



Part #	Mfg #	Description	Finish	Price
002804	GN1AE3JK	Rigid/Swing GN Spout w/13/16"-24 Male Outlet 8-3/8"H, 3-1/2" Reach	CP	
002805	GN2AE3JKCP	Rigid/Swing GN Spout, 9-3/4"H, 5-1/4" Reach, E3 Softflo® Aerator	CP	
002806	GN8AE3JKCP	Rigid/Swing Spout w/E3 Pressure Compensating Softflo® Aerator 2.2 gpm, 11-1/4"H, 8" Reach	CP	

### Outlets & Adapters

- All flow rates up to 80 psi

#### E3 Pressure Compensating Softflo® Aerator

- Maximum flow rate: 2.2 gpm @ 60 psi
- 13/16"-24 Female inlet



Part #	Mfg #	Description	Finish	Price
002802	E3JKCP	Fits Spouts w/Group A Outlets	CP	

#### E12 Pressure Compensating Softflo® Aerator

- Maximum flow rate: 2.2 gpm @ 60 psi
- 13/16"-27 Male inlet

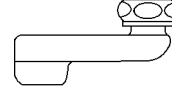


Part #	Mfg #	Description	Finish	Price
002799	E12JKCP	For Widespread & Centerset Lavatory Faucet	CP	



## Chicago Faucet Repair Parts

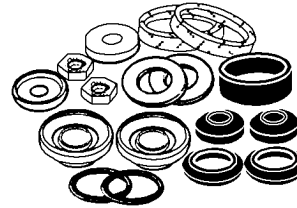
### Supply & Shank Connections/Inlets Shanks



Part #	Mfg #	Description	Finish	Price
020958	HJKCP	2-1/2" Offset Inlet Supply Arm	CP	

### Renewing Kits

#### Quatern™ & Slow Compression Unit Kit - New Style



Part #	Mfg #	Description	Price
002833	1277D	Jiffy Kit - Box of 12	

### Replacement Parts



671-XJKNF

Part #	Mfg #	Description	Finish	Price
002818	1-006JKNF	Packing (50/Box Only)	NF	
002819	1-011JKNF	Rubber Washer (50/Box Only)		
002822	1-021JKNF	Rubber Seat Washer for X or XT	NF	
002823	1-022JKNF	Retainer for X or XT (100/Box Only)		
002825	1-027JKNF	Seat for X Style (100/Box Only)		
002826	1-031JKNF	Stem Washer for X Style (100/Box Only)		
002827	1-043JKNF	Cap Gasket for X Style (100/Box Only)		
134195	1-104JKNF	Spout Gland		
100595	1104-007JKNF	O-Ring		
028379	50-035JK(AB)NF	Spout O-Ring		
144383	122-NF	Thermostatic Mixing Valve	NF	
139530	131-NF	Thermostatic Mixing Valve	NF	
026523	217-XTLHJKNF	LH Slo-Comp (12/Box)	NF	
002847	217-XTRHJK	RH Slo-Comp (12/Box)		
002848	244-006JKNF	Rubber Seat Washer for NAIAD Cartridges	NF	
133595	305-SVBJKCP	Rigid Atmospheric Vacuum Breaker Spout w/3/4" Hose Thread	CP	
028864	333-XSLOPSHJKNF	Pushbutton Unit with Slow-Closing Push Button Cartridge, Push Index & Adj Cycle Time Closure		
138699	420-XJKNF	Ceramic Volume & Temperature Control Cartridge	NF	
033135	671-XJKNF	Metering Valve Unit		
135738	734-CP	Vacuum Breaker Kit		
029908	734-005JKNF	Body Gasket		
134779	892-254JKCP	Vacuum Breaker Cover & Screw Kit	CP	

## Chicago Faucet Repair Parts

### Replacement Parts (Continued)

Part #	Mfg #	Description	Finish	Price
130310	892-302KJKAB	Atmospheric Vacuum Breaker Repair Kit	NA	
173077	892-402KJKAB	Vacuum Breaker	NA	

### Ceramic Operating Cartridge for Single Lever Faucets

- ECAST™ construction
- Lift on
- Replaceable
- Manual shut off
- Left or right hand
- Short stem for exposed caps



Part #	Mfg #	Description	Finish	Price
227046	2300-XJKABNF	Ceramic Operating Cartridge		

### Parts & Accessories

#### Angle Stop Ball Valve with Loose Key Handle

- Stop with 5/8" Inlet
- 2" Tee Handle, Tapered Square Broach
- 5/8" O.D. (1/2" Nominal) Female Compression Inlet
- 3/8" O.D. Female Compression Outlet
- Chrome Plate Finish
- Weight: 0.506lbs
- ECAST® construction with equal to or less than 0.25% lead content by weighted average



Part #	Mfg #	Description	Finish	Price
186612	STB-31-00-AB	5/8" O.D. x 3/8" F Comp		

#### HyTronic Cover Plate

- Locating pin and mounting hardware included



Part #	Mfg #	Size	Price
103250	240.627.21.1	4"	

## Chicago Faucet Repair Parts

### Check Valve

- 3/8" Compression male thread outlet
- Includes 3/8" Compression nut and ring
- 3/8" Compression female nut thread
- Inlet rubber sealing washer
- Spring loaded check
- ECAST® construction with equal to or less than 0.25% lead content
- Weight: 0.045lbs



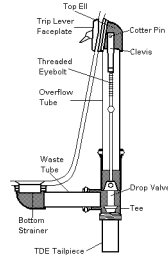
Part #	Mfg #	Description	Finish	Price
188846	243.315.AB.1	Package Dimensions: 7.00"L x 6.00"W x 2.00"H		

**Dearborn Brass Repair Parts**

**Waste Repair Parts**

**Repair Part for Bath Waste**

- -1 Polished chrome



Part #	Mfg #	Description	Price
003327	4503-1	Faceplate, Trip Lever	

**Cast Brass Fittings**

**90° Slip Joint Elbow**

- Cast Brass



Part #	Mfg #	Size	Gauge	Price
175072	1675-2	1-1/2"		

## Delta Faucet Repair Parts

### Single-Handle Repair Parts Kit

Part #	Mfg #	Description	Price
243409	RP46748	Metal Lever Handle Kit, Chrome	
168961	RP46748SS	Metal Lever Handle Kit, Stainless*	
157966	RP47270SS	Single Lever Handle Kit	
157967	RP47271	Button and Set Screw	
152794	RP52833	Single Metal Lever Handle Kit	
143022	RP53409	Dryden™ Metal Lever Roman Tub Handle Kit, Chrome	
153001	RP60965	Single Lever Handle Kit w/ Button and Set Screw	
131775	RP63138	Single-Handle Repair Parts Kit	
245340	RP70640RB	Linden™ Volume Control Hdl, Venetian Bronze	
240471	RP72749	Cassidy™ Metal Lever Handle Kit, Chrome	

### Ara® 17 Series Temperature Knob and Cover



Part #	Mfg #	Description	Price
240123	RP75441SS	Stainless*	

### Classic Roman Tub Handle Base & Gasket



Part #	Mfg #	Description	Price
248389	RP62094	Chrome	
155272	RP62094SS	Stainless*	

### Dryden™ Roman Tub Handle Base

- Nut & gasket



Part #	Mfg #	Description	Price
144013	RP53410	Chrome	

### Trinsic® Roman Tub Handle Base

- Gasket included

Part #	Mfg #	Description	Price
243415	RP73161SS	Stainless*	

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### Installation Aids

#### Quick-Connect Vegetable Spray Nipple Cap

- Converts "with spray" to "less spray"

Part #	Mfg #	Description	Price
074978	RP40301	Quick Connect Coupling, Vegetable Spray Cap	
181058	RP70613	Set Screw & Wrench	

#### Quick-Connect Hose

- For installing handle and spout farther apart

Part #	Mfg #	Description	Price
144185	RP50390	Hose Assembly & Clip	

#### Hose Assembly



Part #	Mfg #	Description	Price
055924	RP32527	Hose Assembly	

### Lavatory Drains

#### Metal Lavatory Drain Assembly

- Metal pop-up drain
- Metal lift-rod



Part #	Mfg #	Description	Price
003641	RP5651	Chrome	
003643	RP5651PB	Polished Brass*	
093335	RP5651RB	Venetian Bronze®	
103471	RP5651SS	Stainless*	

#### Lavatory Drain Stopper



Part #	Mfg #	Description	Price
003637	RP5648	Chrome	
168193	RP5648CZ	Champagne Bronze™	
168478	RP5648NK	Luxe Nickel*	
159075	RP5648RB	Venetian Bronze®	
158887	RP5648SS	Stainless*	

## Delta Faucet Repair Parts

### RP51732 Lift Rod Assembly



Part #	Mfg #	Description	Price
167091	RP51732SS	Stainless*	

### RP41588 Lift Rod



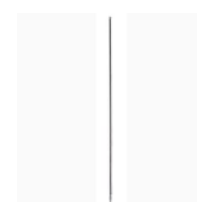
Part #	Mfg #	Description	Price
164015	RP41588	Chrome	

### Ara® Lift Rod and Slider

- Metal pop-up

Part #	Mfg #	Description	Price
248925	RP90058	1-Hole, Chrome	

### RP40267 Lift Rod



Part #	Mfg #	Description	Price
171467	RP40267	Chrome	
249496	RP40267SS	Stainless	

### Peerless Double Bend Lift Rod

- For B2596LF



Part #	Mfg #	Description	Price
245524	RP42092SS	Stainless*	

### RP52597 Lift Rod



Part #	Mfg #	Description	Price
230772	RP52597RB	Venetian Bronze	

### Dryden™ Roman Tub Diverter Lift Rod & Finial

- SpotShield®



Part #	Mfg #	Description	Price
249640	RP53411	Chrome	

### RP54095 Lift Rod and Finial

Part #	Mfg #	Description	Price
168032	RP26151	Chrome	
187287	RP51291	Chrome	
157901	RP54095RB	Venetian Bronze®	

### Lahara® Lift Rod and Finial

- Flextech

Part #	Mfg #	Description	Price
242268	RP64165	Chrome	

### Lift Rod and Finial

- For diverter roman tub



Part #	Mfg #	Description	Price
238742	RP41586	Chrome	

### Trinsic® Lift Rod & Finial

- 1H lavatory



Part #	Mfg #	Description	Price
244866	RP74666BL	Matte Black	

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## Delta Faucet Repair Parts

### Final - Lavatory Lift Rod Top



Part #	Mfg #	Description	Price
171468	RP41574	Chrome	
173135	RP41574SS	Stainless*	

### Lavatory Drain Flange

- RP5651 & RP26533



Part #	Mfg #	Description	Price
027896	RP23060	Chrome	
168192	RP23060CZ	Champagne Bronze™	
149920	RP23060SS	Stainless*	

### Bath Installation Aids

#### Delta® Extension Kits

- Adds 1" to shanks



Part #	Mfg #	Description	Price
051857	RP10612	For 3530/3540/3543/3544/ 3555/3665/3567/3569/ 3577/3578/3583	

### RP31845 Extension Kit



Part #	Mfg #	Description	Price
046440	RP31845	Extension Kit	

### TempAssure® 17T Series Extension Kit

- Additional 1-3/4" installation



Part #	Mfg #	Description	Price
183263	RP75136	Extension Kit - 17T Series	

### Monitor 14 Series MultiChoice Extension Kit



Part #	Mfg #	Description	Price
231280	RP77991	Extension Kit - 14 Series	

### 3 And 6-Setting Diverter Extension Kit



Part #	Mfg #	Description	Price
157035	RP75137	Extension Kit - Diverter	

### Delta® Horizontal Rod



Part #	Mfg #	Description	Price
003436	RP12517	Chrome	

### Conversion Ball

- Converts knob to lever handle
- Makes faucet ADA compliant



Part #	Mfg #	Description	Price
003587	RP20111	Conversion Ball	

### Cartridges and Valves

#### Diverter Cartridge



Part #	Mfg #	Description	Price
135236	RP51919	6-Setting, Diverter Cartridge	
135235	RP51918	3-Setting, Diverter Cartridge	

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## Delta Faucet Repair Parts

### 3-Setting Non-Shared Diverter Cartridge



Part #	Mfg #	Description	Price
163268	RP71718	Diverter Cartridge	

### 2-Hdl DIAMOND™ Valve Assembly



Part #	Mfg #	Description	Price
148058	RP60400	Valve Assy	

### Euro-Motion™ Valve Assembly



Part #	Mfg #	Description	Price
153040	RP60114	Valve Assy	

### Euro-Motion™ Ceramic Valve



Part #	Mfg #	Description	Price
187321	RP75402	Ceramic Valve	

### Tesla® Lavatory Cartridge

- DIAMOND™ seal valve

Part #	Mfg #	Description	Price
247066	RP78715	Cartridge with Seal Valve	

### Trinsic® DIAMOND™ Euro-Motion Valve

- Short stem



Part #	Mfg #	Description	Price
242251	RP73000	Short Stem	

### Multi-Choice® Universal Cartridge Assembly -13/14 Series

- Monitor® single-function pressure-balance cartridge
- Rotational limit stop easily adjusts via lift and turn
- For MultiChoice® universal 13/14 series tub and showers



Part #	Mfg #	Description	Price
095758	RP46074	Cartridge Assy	

### Multi-Choice® Universal Cartridge Assembly -17 Series

- Monitor® dual-function pressure- balance control
- For MultiChoice® 17 series tub and showers
- Allows for separate volume and temperature control



Part #	Mfg #	Description	Price
102530	RP46463	Cartridge Assy	

### Multi-Choice® Universal Cartridge Assembly -17T Series

- TempAssure® dual-function thermostatic cartridge
- For Multi-Choice® 17T series trim
- Allows for separate volume and temperature control



Part #	Mfg #	Description	Price
115704	RP47201	Cartridge Assy	

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## Delta Faucet Repair Parts

### Diverter Assembly



Part #	Mfg #	Description	Price
003529	RP17730	Diverter Assembly	
035054	RP19653	Diverter Assembly	

### Transfer Valve



Part #	Mfg #	Description	Price
025321	RP18632	Transfer Valve	

### Stem Cartridge Kit - (2)



Part #	Mfg #	Description	Price
170775	RP41701	Stem Cartridge Kit	

### Two Handle Ceramic Stem Cartridge - (Pair)



Part #	Mfg #	Description	Price
167855	RP47422	Stem Cartridge - Pair	

### Stem Unit Assembly

- Includes:
- Seat
- Spring
- Bonnet Nut
- Washer



Part #	Mfg #	Description	Price
171576	RP54801	Stem Unit Assy	

### Metering Valve



Part #	Mfg #	Description	Price
166640	RP72773	Metering Valve	

### Valve Cartridge



Part #	Mfg #	Description	Price
164727	RP50265	Valve Cartridge	

### Non-Shared Diverter Cartridge



Part #	Mfg #	Description	Price
166480	RP71717	2-Function Non-Shared Diverter Cartridge	

### Cartridge Fluehs



Part #	Mfg #	Description	Price
155280	RP61824	Cartridge Fluehs - Cold	
154243	RP61825	Cartridge Fluehs - Hot	

### RP42410 Cartridge Assembly



Part #	Mfg #	Description	Price
125499	RP42410	Diverter Cartridge	

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## Delta Faucet Repair Parts

### Cer-Tek Cartridge

- RH

Part #	Mfg #	Description	Price
130298	063000A	RH Cer-Tek Cartridge	
130299	063001A	LH Cer-Tek Cartridge	

### Thin Wall Installation Aid

- For MultiChoice® universal thin mount installation aid



Part #	Mfg #	Description	Price
094435	RP47202	Thin Mount Aid	

### Shower Renovation Cover Plate

- Covers up 8" center holes



Part #	Mfg #	Finish	Price
040814	RP29827	Chrome	
130864	RP29827RB	Venetian Bronze®	
134118	RP29827SS	Stainless*	

### Ara® Escutcheon and Gasket

- 1- or 3-Hole

Part #	Mfg #	Description	Price
247643	RP90057	Chrome	

### Deep Escutcheon



Part #	Mfg #	Description	Price
222353	RP21633SS	Stainless*	

### 600 Series Escutcheon - Shallow



Part #	Mfg #	Description	Price
040905	RP6083	Chrome	

### 600 Series Tub and Shower Renovation Kit

- Includes:
  - RP17443RB - Lever handle
  - RP5883RB - Escutcheon
  - RP1050RB - Cap
  - RP5893RB - Sleeve
  - RP196RB - Escutcheon screws
  - RP20111 - Conversion ball
  - RP4993 - Seats and springs
  - RP188 = Cam and packing
- Order RP2865 plug for push button diverter
- Diverter tub spout may be required



Part #	Mfg #	Finish	Price
132394	RP54870	Chrome	
132395	RP54870RB	Venetian Bronze®	
129199	RP54870SS	Stainless*	

### 1900 Conversion Trim Kit

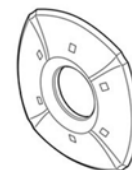


Part #	Mfg #	Description	Price
164080	RP54316	Chrome	
171340	RP54318	Chrome	
167369	RP54318RB	Venetian Bronze*	

### 3-Setting Diverter Escutcheon

Part #	Mfg #	Description	Price
233908	RP51924-RB	Venetian Bronze	

### 6-Setting Diverter Escutcheon



Part #	Mfg #	Description	Price
154615	RP61658SS	Stainless*	

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## Delta Faucet Repair Parts

### Deep Escutcheon with Push Button Diverter



Part #	Mfg #	Description	Price
162814	RP21634	Escutcheon, Chrome	

### Tub & Shower Escutcheon

- Square



Part #	Mfg #	Description	Price
154796	RP52583RB	Venetian Bronze®	

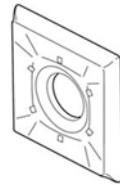
### Escutcheon

- Diagonal escape screw holes



Part #	Mfg #	Description	Price
032826	RP19809	Chrome	
157469	RP19809SS	Stainless*	

### Dryden™ 6-Setting Diverter Escutcheon



Part #	Mfg #	Description	Price
154795	RP52594RB	Venetian Bronze®	

### Escutcheon - Shallow



Part #	Mfg #	Description	Price
043944	RP7577	Chrome	

### 6-Setting Diverter Escutcheon



Part #	Mfg #	Description	Price
179525	RP42413RB	Venetian Bronze®	

### Escutcheon - Deep

- 1-13/16" Inside diameter



Part #	Mfg #	Description	Price
018419	RP6019	Chrome	

### Escutcheon - 14 Series



Part #	Mfg #	Description	Price
154524	RP48716	Chrome	

### Escutcheon and Gasket

- 3-Hole



Part #	Mfg #	Description	Price
247521	RP78358	Chrome	

### Escutcheon Trim Screws

- Set of 2



Part #	Mfg #	Description	Price
087663	RP196SS	Stainless*	

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## Delta Faucet Repair Parts

### Jetted Shower XO® Stem Extender

Part #	Mfg #	Description	Price
135242	RP37902	Stem Extender	
100606	RP37903	Stem Extender	

### Handshower Assembly



Part #	Mfg #	Description	Price
159519	RP52589SS	Stainless*	

### Kitchen Spray Assemblies

#### Victorian® Spray and Hose Assembly

- To be used for DIAMOND™ seal technology models



Part #	Mfg #	Description	Price
244160	RP37489	Chrome	
164086	RP37489SS	Stainless*	

#### Classic Spray & Hose Assembly

- To be used for non-DIAMOND™ seal technology models



Part #	Mfg #	Description	Price
074675	RP39360	White	

#### Signature® Waterfall® Spray & Hose Assembly

- To be used for non-DIAMOND™ seal technology models
- Includes nest



Part #	Mfg #	Finish	Price
098546	RP39345	Chrome	
091323	RP39345SS	Stainless*	

### Pilar® Linden™ Spray, Hose and Diverter Assembly

- To be used for DIAMOND™ seal technology models
- Touch-Clean® spray holes
- Front trigger control
- Finished spray face



Part #	Mfg #	Description	Price
185590	RP53880	Chrome	
165648	RP53880AR	Arctic Stainless	
156781	RP53880RB	Venetian Bronze®	

### Victorian® Spray, Hose, and Diverter Assembly

- To be used for DIAMOND™ seal technology models



Part #	Mfg #	Description	Price
170824	RP53881RB	Venetian Bronze®	
244811	RP53881SS	Stainless*	

### Collins™ Spray, Hose and Diverter Assembly

- To be used for DIAMOND™ seal technology models
- Touch-Clean® spray holes
- Finished spray face



Part #	Mfg #	Description	Price
130164	RP54235	Chrome	
144787	RP54235SS	Stainless*	

### Cassidy™ Spray and Hose Assembly

- Touch-Clean® spray holes
- Front trigger control
- Finished spray face



Part #	Mfg #	Description	Price
167693	RP72751	Chrome	

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## Delta Faucet Repair Parts

### Spray and Hose Assembly



Part #	Mfg #	Description	Price
179527	RP61013RB	Venetian Bronze*	

### Classic and Signature® Spray & Hose Assembly

- To be used for single handle non-DIAMOND™ seal technology models
- Finished sprayer



Part #	Mfg #	Finish	Price
044116	RP31612	Chrome	

### Spray & Hose Assembly



Part #	Mfg #	Finish	Price
058833	RP28900	Chrome	
059165	RP28900SS	Stainless*	
168533	RP32250BN	Brushed Nickel*	

### Kitchen Spray Assembly



Part #	Mfg #	Description	Price
224779	RP43524SS	Stainless*	

### Classic Spray, Hose and Diverter Assembly

- To be used for DIAMOND™ seal technology models



Part #	Mfg #	Finish	Price
134487	RP60097	Chrome	

### Kitchen Spray Assemblies (Continued)

#### Classic Spray, Hose and Diverter Assembly

Part #	Mfg #	Finish	Price
180881	RP60097SS	Stainless*	

#### Foundations® Spray, Hose Assembly and Spray Support

- Lead free
- For single handle kitchen models



Part #	Mfg #	Description	Price
145981	RP54807	Chrome	
187325	RP54807SS	Stainless*	

#### Spray Support Assembly



Part #	Mfg #	Description	Price
003664	RP6015	Chrome	

#### Quick-Connect Vegetable Spray Hose



Part #	Mfg #	Description	Price
103219	RP37034GR	White	

#### 2-Hdl Kitchen or Lavatory 16" Hose



Part #	Mfg #	Description	Price
003676	RP6050	White	

#### Pilar® Pull-Down Spray Assembly



Part #	Mfg #	Description	Price
244885	RP53210AR	Arctic Stainless	

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## Delta Faucet Repair Parts

### Pull-Out Wand Assembly



Part #	Mfg #	Description	Price
154289	RP53102AR	Arctic Stainless™	
147391	RP53102SS	Stainless*	

### Pull-Down Spray Assembly

- Includes aerator



Part #	Mfg #	Description	Price
159024	RP47269SS	Stainless*	

### Pull-Down Wand Assembly



Part #	Mfg #	Description	Price
160975	RP72680AR	Pull-Down Wand Assembly	

### Fuse Pull-Down Wand Assembly

Part #	Mfg #	Description	Price
175890	RP70703SB	Stainless*/Cracked Pepper	

### Sprayer Wand Assembly

- Pull-out faucets



### Wand Assembly



Part #	Mfg #	Description	Price
152076	RP53438SS	Stainless*	

Part #	Mfg #	Description	Price
182191	RP51480	Chrome	
156754	RP51480RB	Venetian Bronze®	
152052	RP51480SS	Stainless*	
237802	RP51480AR	Arctic Stainless	

### Wand Assembly with Hose

- Pull-out faucets



### Spray Assembly



Part #	Mfg #	Description	Price
063196	RP32542	Chrome	
161322	RP32542AR	Arctic Stainless™	
162140	RP32542BL	Matte Black	
081006	RP32542SS	Stainless*	

Part #	Mfg #	Description	Price
181927	RP46751SS	Stainless*	

### Palo Wand Assembly



Part #	Mfg #	Description	Price
117444	RP44643	Chrome	

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## Delta Faucet Repair Parts

### Kitchen Spray Assemblies (Continued)

#### Palo Wand Assembly

Part #	Mfg #	Description	Price
168840	RP44643SS	Stainless*	

#### RP44477 Pull-Out Wand Assembly



Part #	Mfg #	Description	Price
168481	RP44477SS	Stainless*	

### Soap/Lotion Dispenser Accessories

#### Soap/Lotion Dispenser Nut

Part #	Mfg #	Description	Price
037864	RP21945	Dispenser Nut	

#### Soap/Lotion Dispenser Body Assembly



Part #	Mfg #	Description	Price
187739	RP21906SS	Stainless*	

#### Soap/Lotion Dispenser Pump Head



Part #	Mfg #	Description	Price
160946	RP21905SS	Stainless*	

### Kitchen Accessories

#### Sliding Weight

- For use with Pull-Down/Out kitchen faucets



Part #	Mfg #	Description	Price
188349	RP49149	N/A	

#### Kitchen Diverter Assembly

- Diverter assembly kit 1-handle Delta® replacement

Part #	Mfg #	Description	Price
133121	RP63135	Kitchen Faucet Diverter Assembly	
136138	RP63135MBS	Diverter Assembly	
132777	RP63136	1-Handle Diverter Assembly	
133157	RP63136MBS	Kitchen Diverter Assembly	

#### Brizo Lavatory Escutcheon

- 3/8" Height
- Can be used with (65005LF)



Part #	Mfg #	Description	Price
243611	RP61619BZ	4", Brushed Bronze*	

#### 8" Escutcheon



Part #	Mfg #	Description	Price
149596	RP64070	Chrome	
146679	RP64070AR	Arctic Stainless™	
162388	RP64070CZ	Champagne Bronze™	

#### Cassidy™ Escutcheon

- 10-1/4" Length
- 1 or 3-hole installation
- 8" centers on 3-hole installation
- 2-1/2" Maximum deck thickness



Part #	Mfg #	Description	Price
244648	RP71545PN	Polished Nickel*	

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## Delta Faucet Repair Parts

### Escutcheon

- 8" Length
- 1-1/2" connection



Part #	Mfg #	Description	Price
249251	061270A	Chrome	

### Escutcheon

- 4" Length
- 1-1/2" connection



Part #	Mfg #	Description	Price
250327	061269A	Chrome	

### Escutcheon and Gasket

- Transitional/contemporary bar



Part #	Mfg #	Description	Price
189018	RP77702	Chrome	
217804	RP77702AR	Arctic Stainless™	

### Escutcheon, Base, and Gasket



Part #	Mfg #	Description	Price
236796	RP70714AR	Arctic Stainless	
249466	RP70714BL	Matte Black	

### Escutcheon, Base, and Gasket



Part #	Mfg #	Description	Price
148562	RP64472AR	Arctic Stainless™	
168129	RP64472SS	Stainless*	

### Square Escutcheon



Part #	Mfg #	Description	Price
153685	RP63970RB	Venetian Bronze®	
143753	RP63970SS	Stainless*	

### Escutcheon - 3 Hole



Part #	Mfg #	Description	Price
170028	RP44645SS	Stainless*	

### 10" Escutcheon



Part #	Mfg #	Description	Price
158527	RP47274AR	Arctic Stainless™	
158533	RP47274RB	Venetian Bronze®	

### Escutcheon, Gasket (3-Hole)



Part #	Mfg #	Description	Price
225247	RP72991SS	Stainless*	

### Decorative Escutcheon

- 10" Long



Part #	Mfg #	Description	Price
158526	RP71545	Chrome	
154412	RP71545AR	Arctic Stainless™	
158563	RP71545CZ	Champagne Bronze™	

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## Delta Faucet Repair Parts

### Kitchen Accessories (Continued)

#### Decorative Escutcheon

Part #	Mfg #	Description	Price
153577	RP71545RB	Venetian Bronze®	

#### Shallow Escutcheon

- Pressure balance diverter off indicator

Part #	Mfg #	Description	Price
076614	RP6107	Chrome	

#### Handle Base

- Square handle bases
- Sold in pairs
- Includes flange support, gasket and set screw



Part #	Mfg #	Description	Price
157758	RP52659SS	Stainless*	

#### Flow Control for Gooseneck Spout

Part #	Mfg #	Description	Price
170888	060873A	Flow Control	

#### Mounting Hardware



Part #	Mfg #	Description	Price
186978	RP52609	Mounting Hardware	

#### Pilar® Check Valves



Part #	Mfg #	Description	Price
138069	RP53468	Pilar® Check Valves	

### Shower Parts

#### Single Lever Handle Kit - 17T Series



Part #	Mfg #	Description	Price
153179	RP51309SS	Stainless*	

#### Linden™ 17 Series Handle Assembly

- Temperature knob and cover



Part #	Mfg #	Description	Price
184230	RP70641	Chrome	
245341	RP70641RB	Venetian Bronze	

#### 13/14 Series Handle Assembly



Part #	Mfg #	Description	Price
132336	RP48717	Chrome	
143667	RP48717SS	Stainless*	

#### Gasket Insert for Showerhead

- Plastic



Part #	Mfg #	Description	Price
243850	RP43621	Grey	

#### Handle Assembly



Part #	Mfg #	Description	Price
164895	RP73643	Chrome	

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## Delta Faucet Repair Parts

### Shower Parts (Continued)

#### Handle Assembly

Part #	Mfg #	Description	Price
186959	RP72685RB	Venetian Bronze®	

#### Temperature Dial



Part #	Mfg #	Description	Price
163903	RP73642	Chrome	

#### Single Lever Handle Kit - 17 Series



Part #	Mfg #	Description	Price
067929	RP32103	Chrome	

#### Universal Jet Sleeve Assembly

- *Jetted shower™*



Part #	Mfg #	Description	Price
243184	RP37891	Jet Sleeve Assy	

#### Trim Sleeve - Tub & Shower



Part #	Mfg #	Description	Price
157460	RP50879RB	Venetian Bronze®	
166988	RP50879SS	Stainless*	

#### Trim Sleeve - 17 and 18 Series



Part #	Mfg #	Description	Price
249255	RP50880	Chrome	
151398	RP50880RB	Venetian Bronze®	
151435	RP50880SS	Stainless*	

#### Trim Sleeve - Tub & Shower



Part #	Mfg #	Description	Price
031006	RP5893	Chrome	

#### Trim Sleeve - 13 and 14 Series



Part #	Mfg #	Description	Price
172685	RP22735SS	Stainless*	
096706	RP39407	14 Series Only, Chrome	

#### Copper Plug - Shower Only



Part #	Mfg #	Description	Price
021656	RP20032	Copper	

#### Hose Clip

- *Clip only*
- *Quick-connect*



Part #	Mfg #	Description	Price
144186	RP60911	Hose Clip	

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## Delta Faucet Repair Parts

### Valve Sleeve Assembly



Part #	Mfg #	Description	Price
172344	RP51481RB	Venetian Bronze®	

### Bar Slide Knob



Part #	Mfg #	Description	Price
175920	4116BX	For Models 55024 & 55030, Clear	

### Bath Waste Parts Bath Waste Assembly

- Toe-operated
- 13-1/2" Max vertical adjustment
- 7-3/4" max horizontal adjustment
- Brass construction



Part #	Mfg #	Description	Price
177578	RP293	Chrome	
143839	RP693CZ	Champagne Bronze™	

### Tub Drain

- Toe-operated
- Stopper and waste plug
- Stopper screw threads are 5/16"-18



Part #	Mfg #	Description	Price
159165	RP31558CZ	Champagne Bronze™	

### Waste Plug

- Toe operated
- 1-1/2"-11-1/2" NPSM



Part #	Mfg #	Description	Price
166059	RP16687	Chrome	

### Bonnet Cap

- With adjusting ring



Part #	Mfg #	Finish	Price
003631	RP50	Chrome	

### Stopper Assembly

- Toe operated
- 5/16" - 18" thread size



Part #	Mfg #	Description	Price
177577	RP16686PN	Polished Nickel*	

### Mini-Bulk Parts Aerator

- 15/16" - 27 Male thread
- For most kitchen and lavatory faucets
- 2.2 gpm @ 60 psi



Part #	Mfg #	Description	Price
022154	RP330MBS	Chrome, 60 Per Case	

### Cam and Packing-Knob

- For single knob handle faucets



Part #	Mfg #	Description	Price
003552	RP188	For Single Knob Handle	
017861	RP188MBS	64 Per Case	

### Cam & Packing - Lever

- For single lever handle faucets



Part #	Mfg #	Description	Price
017522	RP61MBS	64 Per Case	

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## Delta Faucet Repair Parts

### Seat

- For all 1-handle and 2-handle faucets



Part #	Mfg #	Description	Price
022156	RP1806MBS	240 Per Case	

### Spring

- For all 1-handle and 2-handle faucets



Part #	Mfg #	Description	Price
022158	RP3427MBS	240 Per Case	

### Seats, Springs, Quad Rings

- Qty. 2



Part #	Mfg #	Description	Price
063896	RP28603	Seats, Springs, Quad Rings	

### Seats & Springs Boxed Assortment Kit

- RP4993 (24)



Part #	Mfg #	Description	Price
003740	RP4039	Seats & Springs 24-RP4993	

### Ceramic Seats and Seals

- Qty. 2



Part #	Mfg #	Description	Price
020357	RP10700	Ceramic Seats and Seals	

### Stainless Steel Ball - Knob

- For single knob handle faucets except 1300, 1400 & 1600 tub/shower series and pull-out spray models



Part #	Mfg #	Description	Price
022152	RP212MBS	60 Per Case	

### Stainless Steel Ball - Lever

- For single lever handle faucets except 1300, 1400, 1500, 1600, 1700 & 1800 T/S series and pull-out spray models



Part #	Mfg #	Description	Price
022151	RP70MBS	60 Per Case	

### Stem Unit & Seat

- For 1600 tub/shower series

Part #	Mfg #	Description	Price
003582	RP1991	Stem Unit & Seat	
022157	RP1991MBS	Stem Unit & Seat, 12 Per Case	

### Stem Unit with Stainless Steel Plate

- For 2-handle and basin faucets



Part #	Mfg #	Description	Price
003515	RP1740	Stem Unit Assy	
022155	RP1740MBS	Stem Unit Assy, 60 Per Case	

### Delta® Plumber's Box of Parts



Part #	Mfg #	Description	Price
134141	RP63139	Plumber's Box of Parts	

### Ball Assemblies

Part #	Mfg #	Description	Price
003724	RP70	For 1-H Lever	
003592	RP212	For 1-H Knob	

### O-Rings

Part #	Mfg #	Description	Price
114466	RP13938	O-Ring	
071330	RP14414	13/14 Series Qty. 2	
154097	RP18362	O-Ring	

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## Delta Faucet Repair Parts

### Mini-Bulk Parts (Continued)

#### O-Rings

Part #	Mfg #	Description	Price
043131	RP23336	O-Ring F/1400	
003605	RP25	1-Hdl Kit Spout	
003589	RP2055	For 2-H Kitchen Spout	
040285	RP22934	For 2-H Waterfall® Kitchen Deck	
061918	RP32520	Spout O-Rings for 470 & 472	
178227	RP50388	O-Ring	
170777	RP73984	Clip and O-Ring	
247379	RP83781	O-Ring & Limit Stop	
249032	RP90771	Cartridge Assy and O-Ring	

#### O-Ring

- For 100/200/300/400 single-handle kitchen deck faucets manufactured since 1969 models



Part #	Mfg #	Description	Price
022150	RP25MBS	120 Per Case	

#### Screws

Part #	Mfg #	Description	Price
003437	RP12630	Escutcheon Trim Screws, Extra Long	
155211	RP12630RB	Escutcheon Trim Screws, Extra Long - Ven Bronze®	
003496	RP152	For Single Lever Handle	
003564	RP196	Chrome	
033496	RP25620	Set Screws for Small Handle Bases	
032801	RP26865	Set Screws for Large Handle Bases	
168960	RP40650	Set Screw	
157647	RP5417OB	Escutcheon Screws (2)	
158261	RP61819	On Wall Screws 4 Lengths	

### Delta® Repair Parts

Part #	Mfg #	Description	Price
217207	4124CBG	Cap - GL Rail BG	
028507	4959BG	Rubber Gaskets - Bag of 5	
144039	060602A	Sngl Blade Hdl w/ Screw	
111465	060683A	Hard Wire Converter	
247208	060791A	Comm Garden Hose Thread Adapter w/ Vacuum Breaker	
207016	060949A	Comm 4" Hooded Lvr Hdl	

### Delta® Repair Parts (Continued)

Part #	Mfg #	Description	Price
248502	061128A	2 H&C Ceramic Cartridges	
238143	061131A	Extension Kit for 060852A Diverter Valve	
162306	063044A	8" Swing Spout Assembly	
023673	060864A	4" Blade Handle Pair	
098175	060302A	Vacuum Breaker Repair	
126956	060638A	1.5 GPM Vandal Resistant Aerator	
237119	061203A	0.5 gpm VR Laminar Outlet	
243261	061297A	Commercial Driver Board	
225244	061252A	Driver Board, H2Optics and Proximity	
188507	063093A	R3 Spout for 54T2402	
243260	063230A	Commercial Spout Assy	
247528	063257A	Commercial Brass Solenoid	
246656	063258A	Commercial Battery Box	
162728	063128A	CAM Surface Box Assembly	
247639	33W576-BL	Commercial Push Button, Matte Black	
177587	EP73954	AP Power Supply	
183919	EP74854	Solenoid Assembly	
109632	RP1050	Bonnet Nut, Chrome	
240775	RP1050RB	Bonnet Nut, Venetian Bronze	
188994	RP11768HDF	Commercial Lever Handles, Brass w/ Screws	
026356	RP12629	Screw Set	
099577	RP16213	Screwdriver Stop Assembly	
003512	RP16423	Reverse Ball	
019240	RP18090	Escutcheon	
025093	RP18276	Chrome Escutcheon	
025092	RP18136	Sleeve, Chrome	
029096	RP21463	Retainer - Spout	
033619	RP21469	1Hdl Lever Kit with Screw	
154634	RP21469SS	1Hdl Lever Kit with Screw	
086213	RP23094SS	Handle Base w/ Gasket	
243320	RP52658	Set Screw & Button Set, Polished Nickel*	
237393	RP53410SS	Roman Tub Handle Base	
003597	RP2389	Clear 1-Handle Lavatory w/Button & Screw	
003599	RP2391	Clear Knob w/Button & Screw	
003601	RP2393	1 Kitchen Lever Handle w/Set Screw	
003603	RP2411	Button, Clear	
003608	RP250	Adjusting Ring	
031329	RP250MBS	Adjusting Ring	
044850	RP28595	Temp Knob and Cover	

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## Delta Faucet Repair Parts

### Delta® Repair Parts (Continued)

Part #	Mfg #	Description	Price
054794	RP29569	Spacer	
059633	RP33805	10-1/8" Horizontal Rod	
003623	RP3614	Lever Repair Kit	
155976	RP37022SS	Bonnet, Washer and Clip	
237857	RP38674	Nut and Washer	
244140	RP40664SS	Roman Tub Hose & Gaskets R4700, Stainless*	
171342	RP42208	Wrench	
243216	RP42407	3-Port 6 Func Diverter Trim Bonnet	
164132	RP47030	Lavatory Wrench	
003630	RP4993	Deluxe Seats & Springs (2)	
122686	RP50366	Stem Assembly w/ O-Rings and Nuts	
249098	RP50786SS	Button Indicator, Stainless	
238441	RP50790SS	Single Lvr Handle Kit, Stnlss*	
144187	RP51503	Bonnet Nut	
239500	RP51019	Set Screw & Button, Chrome	
132784	RP52834	Single Metal Lever Handle Kit	
131263	RP53997	Diverter Clip	
237661	RP5417	Screw	
003639	RP5649	Diverter Assembly, Chrome	
003649	RP574	Balance Spool Assembly	
003657	RP5861	Coupling Nuts	
003662	RP6011	Hose & Spray, Black/CP	
003678	RP6060	Nut	
003681	RP6068	Plug Button	
037831	RP6079	Bonnet, Chrome	
040904	RP6081	Sleeve, Chrome	
003687	RP6092	Nuts & Washers	
237655	RP61184	Escutcheon, Chrome	
003695	RP6130	Pivot Seat & Gasket	
153121	RP61820	Stem Assembly	
003705	RP6183	Locknuts	
238406	RP62381SS	6-Setting Escutcheon, Stnlss	
243523	RP63505	Nut/Tee Kit	
224647	RP64240	Mounting Bracket	
227492	RP64288	Gasket for 400DST	
238763	RP64364SS	Metal Lvr Hndl Set, *Stainless	
144951	RP64364	Classic Handle Set, Chrome	
240958	RP64449	Hot&Cold Blade Hdl Set, Chr	
151297	RP64696	Spout Assembly - Locked	
242851	RP70607	Screw, Adapter, & Insert Parts	
243590	RP71447PC	Spout Assy with Magnet	
249519	RP72752AR	Cassidy Spray Nest, Arctic Stainless	

### Delta® Repair Parts (Continued)

Part #	Mfg #	Description	Price
245502	RP73391	Cassidy 2-Hole Kitchen Spout Retainer & Ring	
250641	RP73640	Comm Spout Assy & Tee	
171629	RP74456	Odin Extension Kit	
239499	RP75438SS	Ara 17 Series Escutcheon & Gasket, Stainless*	
244719	RP78360	Lift Rod Hole Button, Chrome	
244994	RP78739PN	Tesla 2H Lav Flange & Gasket, *Pol Nickel	
239093	RP80523	Hose Weight Assy	
249154	RP80528	Kitchen Faucet Gasket	
003734	RP8230	Ceramic Stem, Seat, O-Ring, Spring	
237520	RP84704SS	Volume Hndl Assy, Stainless*	
239968	RP90056	Ara® Stem & Valve	
003434	RP12491	(2) HDF Wrist Blade Handles w/Set Screw	
024497	RP12490	Screws - Red and Blue	
003520	RP17449	Clear Handle w/Button & Screw, for Single Handle Faucet	
023197	RP17451	Clear Handle w/Button & Screw, for Tub & Shower	
024762	RP18627	Extender less Screws	
003572	RP19804	Cartridge Assembly	
022311	RP19807	Limit Stop	
049620	RP22734	Plated Bonnet	
187688	RP23094CZ	Handle Base & Gasket	
030260	RP23498	Clear Knob Handle w/Screws	
185875	RP23611RB	Base with Gasket	
024314	RP24096	Brass Stem Assy	
003604	RP2412	Two Handle Blade (2)	
050183	RP25513	Stem Unit w/Brass Stem	
137175	RP2865	Plug Push Button Diverter	
071395	RP28906	Red/Blue Indicator	
179884	RP30532	Battery Holder	
045840	RP32104	1700 Cartridge	
067930	RP32105	1700 Handle Screw	
048950	RP32522	Quick-Connect Clip	
120382	RP34359RB	Trim Ring - 14 Series	
151759	RP36203	Ext Nut and Washer for Electronic Fct	
187883	RP38367	End Valve Assembly	
184164	RP41702	2Hdl Kitchen Diverter	
140695	RP40668	R4700 Diverter Valve Assembly	
101730	RP41478	Nut and Adapter	
241265	RP41896	Small Glide Ring	

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## Delta Faucet Repair Parts

### Delta® Repair Parts (Continued)

Part #	Mfg #	Description	Price
241266	RP41898	Large Glide Ring	
174179	RP44118BN	Handle Kit, Brushed Nickel	
172682	RP44123	Repair Kit	
184827	RP44493	Hose Assembly	
107694	RP44647	Pull-Out Hose Assembly	
241504	RP40505	Roman Tub Top Washer & Body for R2700/RP40505	
144594	RP46079	Pressure Test Hot/Cold Plug	
186204	RP47029	Lavatory Mounting Bracket	
157015	RP48592	Single Lever Handle Kit	
169900	RP49835	Mounting Nut	
169899	RP50391	Gasket and Baseplate	
241137	RP50786RB	Hot/Cold Button, Venetian Brz	
107655	RP51099	7' Leader Hose for Roman Tub	
160483	RP51290SS	Roman Tub Hand Shower Base Escutcheon	
223508	RP51306RB	17 Series Handle Kit	
187868	RP51306SS	17 Series Handle Kit	
151859	RP51307	1-Hdl Lever Handle Kit	
230767	RP51307CZ	17 Series Handle Kit	
223509	RP51307RB	17 Series Handle Kit	
187869	RP51307SS	17 Series Handle Kit	
161418	RP51345	Aerator - 1.5 GPM	
187690	RP51424	Temperature Knob and Cover	
160738	RP51479RB	Valve Sleeve Assembly	
222638	RP51502AR	Bonnet Cap, Arctic Stainless	
241278	RP51502RB	Bonnet Cap, Venetian Bronze	
173807	RP51514SS	Sleeve Assembly	
157876	RP51628RB	Escutcheon & Gasket	
154211	RP51685	Mounting Bracket and Nut	
179559	RP52147SS	Temp Knob and Cover	
164030	RP53879	Handle Button	
166762	RP53879SS	Handle Button, Stainless*	
131262	RP54269	Spray Cap	
157044	RP54974	Hot/Cold Indicator	
137154	RP60923	Kitchen Repair Part	
135054	RP43233	D-Spacer 14 Series	
122117	RP50587	Single Handle Valve Cartridge	
161889	RP51490	Escutcheon - Single Handle Kitchen Faucet	
154210	RP52610	Trim Ring, Base & Gasket	
164131	RP53217	Mounting Hardware - Valve	
176568	RP53531	Mounting Nuts	
173987	RP54232	Handle Kit, Chrome	
181486	RP54232SS	Handle Kit, Stainless	

### Delta® Repair Parts (Continued)

Part #	Mfg #	Description	Price
166331	RP54687	Single Lever Elbow Handle	
153810	RP60962	Escutcheon and Gasket	
177033	RP60979	Trim Ring, Base and Gasket	
236968	RP61122	Addison Anchor Kit	
158729	RP6148	Escutcheon	
177305	RP61839RB	Escutcheon - Single Hole	
151718	RP6185	Stop Stem Assembly	
177217	RP62150SS	Handle Kit	
171385	RP62961	Bidet Base, Chrome	
164948	RP62961SS	Bidet Base, Stainless	
154459	RP63131	Spout Assembly	
175400	RP63265	1/2" Slip Joint Adapter	
187192	RP64150SS	Mounting Post	
187191	RP64152SS	Slide Mechanism	
158670	RP64706	Handle Kit - 2-Hdl	
158671	RP64760	Stem Unit Assembly	
173247	RP64851	Diverter Bonnet Nut	
181639	RP70635RB	Roman Tub 2-Hdl Handle Kit	
181640	RP70637RB	Handle Flange, Ven Brz	
185771	RP70638RB	Diverter Lift Rod	
168736	RP70639RB	Shower Handle Assembly, Ven Bronze	
178178	RP72289	Lift Rod Plug	
185650	RP72721SS	Handshower Base	
180482	RP73054	Gaskets	
155687	RP73192	Red/Blue Button	
168272	RP73837	Low Flow Regulator	
177576	RP7424PN	Overflow Plate	
156883	RP7424RB	Overflow Plate	
181717	RP74608	54" PO Hose (Small OD)	
181034	RP74812	O-Rings	
173787	RP75408	Rectangular Aerator, Set Screw	
187322	RP75409	Flow Regulator	
237173	RP75497	Handshower Base - Roman Tub	
170776	RP76691	Centerset Extension Kit	
185305	RP77162	Escutcheon	
186205	RP77263SS	Escutcheon - 3 Hole	
186203	RP77457SS	Button - Lift Rod Hole Cover	
166060	RP7900	Gasket	
189416	RP81914AR	Mateo® Escutcheon	
225577	RP81914	Mateo® Escutcheon	
186097	RP83888	Valve Bracket	
239225	RP84986SS	Diverter Temp Knob & Cover, *Stainless	

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## Delta Faucet Repair Parts

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### Delta® Repair Parts (Continued)

Part #	Mfg #	Description	Price
245563	0611159A	4" Deck Plate & Holdown Pkg	

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**Elkay Repair Parts**

**Elkay Sink Parts & Accessories**  
**Mounting Clip**



Part #	Mfg #	Description	Price
238525	LK-0000000222	Black/Grey Slot Clips, 8 Per Package	
006122	LK-363	Long Sink Clips	
104709	LK-463	Sink Clips for 1-5/8", 2", 2-1/2" Thick Tops	
162112	LKUCLIP8	Mounting Clip for Undermount Sinks	

**Parts**

Part #	Mfg #	Description	Price
006120	LK-350	Socket Screwdriver	
240190	1000001877	Drain Replacement Kit for EZ/EZTL	
238906	1000002436	Kitchen LED Board	
237642	100023340560	Waste Tube Gasket	
237637	101570540560	Drain Gasket	
237640	101637451550	Friction Ring	
237639	110346220550	Drain Nut	
237636	160270508640	Strainer Plate	
237641	161637308640	Drain Plug	
249178	45833C	Cover Bottom	
250124	45932C	Tail Piece	
237638	51575C	Packing Ring	
249745	75507C	Quick Connect For Solenoid 1/4 NPT x 1/4 OD	
244931	98753C	Overload Relay Kit	
244475	98999C	Drain Pad Kit for VRC8WS	

**Elkay Repair Parts**

**Water Cooler Parts**



35981-C



50986-C



55996-C



61313-C



61314-C

Part #	Mfg #	Description	Price
241890	21222C	Elkay Basin EHF/WC with DIMP	
023576	31513C	Elkay Cold Control	
086622	35981C	Elkay 1/4 Solenoid Valve	
060511	50986C	Holder Regulator	
045589	55996C	Cooler Y-Strainer	
006168	61313C	Cartridge for Water Cooler	
024551	61314C	Green Cartridge	

**EZH2O™ Parts**

**WaterSentry® Filters**

- CTO Filters
- Features:
  - Quick-disconnect
  - 1/4 Turn installation
  - Hand never touch the actual filter media
  - Outer protective wrap
- NSF/ANSI 42 and 53 certified

Part #	Mfg #	Flow Rate	Rated	Full Load	Ship Wt	Description	Price
162211	EWF3000					Complete Kit, 3000 Gallon Filtration System	
189544	WSF6000R2PK					6000 Gallon, 2-pack	
132220	51300C					3000 Gallon, 1-Pack	
164978	51300C12PK					3000 Gallon, 12-Pack	
132222	51300C3PK					3000 Gallon, 3-Pack	



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## Empire Comfort Repair Parts

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### Replacement Parts

#### Blower

Part #	Mfg #	Description	Price
127041	FBB-4	Variable-Speed Blower	

## Fenner Drives Repair Parts

### Belts

#### PowerTwist Plus® V-Belt

- *No tools required, assembles in minutes*
- *High strength and low elongation under load*
- *High performance polyurethane elastomer reinforced with multiple plies of polyester fabric*



Part #	Mfg #	Type	Length	Pack	Price
143772	0418010SL	3L	5'	Slv	
143792	0418030SL	A/4L	5'	Slv	
143793	0405030	A/4L	25'	Box	
143795	0418050SL	B/5L	6'	Slv	
143796	0405050	B/5L	25'	Box	

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## Franklin Electric Repair Parts

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### Capacitor Kits

Part #	Mfg #	HP	Volts	Price
098889	305-207-905	1/2	230V	
098890	305-207-918	3/4	230V	
118594	305-207-913	1	230V	
097608	305-218-976	1/2	230V	
096114	305-218-978	3/4	230V	

### Relays

#### Relay Kit

Part #	Mfg #	Volts	Price
096115	305-102-902	230V	

## General Filter Repair Parts

### Manual Control Humidistats

- Senses variation in relative humidity levels
- Humidity range: 10% - 85%
- Duct cut-out dimensions: 2-1/4" x 1-3/4"
- Duct plate dimensions: 4" x 5-1/2"
- Mounting screws included



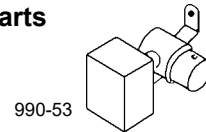
### Wall-Mount Housing

- Allows for both wall and duct mount

Part #	Mfg #	Description	Price
146561	WMH3	Wall-Mount Housing for MHX3, MHX3C, or DHX3	

### GeneralAire Replacement Parts

#### 1042 Series Humidifier Replacement Parts



Part #	Mfg #	Description	Price
004874	990-53	Solenoid Valve Assembly - 24V for 1042/1137 (Includes Fittings)	
206827	GA4231	Yellow Orifice	

### Replacement Evaporator Pad

- Aluminum evaporator material enclosed in heavy wire frame and channeling
- Pad has super absorbent coating



990-13

1099-20

Part #	Mfg #	Description	Price
004870	990-13	11-3/4"H x 9-3/4"W Evaporator Pad for Model SL-16, 1042, 1040, 1137	
125681	1099-20	12"H x 14-1/4"W Evaporator Pad for Model 1099, 950	



## Gerber Repair Parts

### Gerber Replacement Parts Cartridge Assembly



92-298

Part #	Mfg #	Description	Price
023522	97-013	Complete Hardwater® Assembly, Less Control Cartridge	
023523	97-014	Complete Safetemp Assembly, Less Control Cartridge	
028493	92-298	Hardwater® Ceramic Cartridge with Limit Stop, Chrome	
088008	95-152	Hardwater® II & Safetemp II Washerless Pressure Balance Cartridge	
088009	95-154	Replacement Cartridge for GS103/GS105	
029460	97-022	Safetemp™ Control Cartridge, Chrome	
004822	97-510	Ceramic Disc Cartridge	
087758	98-674	Compression Cartridge - Cold	
004830	98-688	Compression Cartridge for Deck Faucet - Hot	
004831	98-689	Compression Cartridge for Deck Faucet - Cold	
020941	98-705	Long Ceramic Cartridge	
047463	98-709	T&S Ceramic Disc Cartridge-Cold	

### Faceplate

Part #	Mfg #	Description	Price
004816	97-130	Faceplate Assembly, Chrome	
026255	97-171-KT	Faceplate Assembly, Chrome	

### Handle

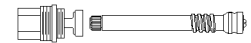
Part #	Mfg #	Description	Price
031332	86-986	Ceramaflow™ Disc Cartridge, Handle, Cold, Chrome	
031331	86-987	Ceramaflow™ Disc Cartridge, Handle, Hot, Chrome	
082641	97-020	Replacement Shower Handle	
004840	98-879	Wrist Blade Handles, Pair	

### Shower Arm



Part #	Mfg #	Description	Price
004716	49-205	Lock Shower Arm Ell, Thin Wall Install, Less Spray Plate, Rough Brass	

### Stem and Bonnet Assembly



Part #	Mfg #	Description	Price
004827	98-673	Stem & Bonnet Assembly, Hot	
004836	98-726	Diverter Stem & Bonnet Assy	

### Unit Bag

Part #	Mfg #	Description	Price
004849	99-537	Unit Bag 298-290/590/790/794/795/796, White	
063774	99-538	UltraFlush Unit Bag, White	
105006	99-660	Gerber Unit Bag for Avalanche	

### O-Ring



Part #	Mfg #	Description	Price
093297	92-257	O-Ring	
004802	92-660	Spout O-Ring	
004803	92-730	O-Ring	
004837	98-727	Bonnet O-Ring Stem Cage for 40-700 Series	

### Parts

Part #	Mfg #	Description	Price
178553	43-971	Offset Grid Strainer	
076038	90-067	Nipple 5/8" - 24 x 2.687"	
004776	90-161	Brass Seat 5/8"-20 NS-2 Thread	
026022	90-390	Fibre Follower	
091688	90-230	Screw	
004792	91-132	Middle Wire	
004799	91-280	Strainer Screw	
246168	91-565	0.5 gpm Aerator	
091418	92-294	Limit Stop for Safetemp	
241782	93-059	1Hdl Escutcheon Sleeve, Chrome	
248228	94-040	Spray Diverter w/ Vacuum Breaker	
237303	95-163	Safetemp Loop Handle, Chrome	
136096	95-166	Safetemp Escutcheon, Chrome	
004812	96-121	Shoe Plug for Trip Lever	

\*Physical Vapor Deposition (PVD) Limited Lifetime Finish

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## Gerber Repair Parts

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### Gerber Replacement Parts (Continued)

#### Parts

Part #	Mfg #	Description	Price
095128	97-164	Wire/Plunger Assy for Roman Trip Lever Drain	
212516	97-232	Pressure Balance Mixing Valve, Cartridge, & Check Valve	
085928	97-305	Pop-Up Extension Assembly	
237124	97-820	T&S Coupling Nuts (2)	
039568	98-412	Handle, Button, & Screw	
204001	98-736	S/H Bath Body Stem Assy & Bottom Seal Kit	
227955	99-031	Maxwell Dual Flush Valve 1.1/1.6gpf, White	
231578	99-033	Maxwell Dual Flush Valve 1.1/1.6gpf, White	
004843	99-161	Lav Hanger	
027906	99-290	Urinal Wall Hanger (2 QTY)	
004850	99-539	Tank to Bowl Assy Kit (Unit Bag)	
101710	99-579	Channel Pad	
028454	99-605	Lid Locking Assy	
126879	99-685-09	Avalanche LH Trip Lever, Biscuit	
112220	99-685-WH	Avalanche LH Trip Lever, White	
137907	99-788	Flapper	
180235	99-791	Maxwell Flush Valve Kit, 1.1/1.6gpf (DF-28-190/195)	

\*Physical Vapor Deposition (PVD) Limited Lifetime Finish

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**Gibson Repair Parts & Accessories**

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**Parts & Accessories**

**Heater Kits**

Part #	Mfg #	KW	Volts	Price
176339	H8HK010H11	11.9	240	
176338	H8HK015H21	14.4	240	
176337	H8HK020H21	19.2	240	

**Hi-Velocity (Energy Savings Products) Repair Parts**

**Electrical Components**



EPC Control Board

Part #	Mfg #	Part Name	Description	Price
107815	20120100111	EPC Control Board	Control Board for All HE/LV-E Fan Coils with EPC Motors	
127481	20120100001	EPC Circuit Board	Circuit Board for all HE/LV-E Fan Coils with EPC Motors	
127483	20120100030	EPC Transformer	Transformer for all HE/LV-E Fan Coils with EPC Motors	

**Refrigerant Components**



Part #	Mfg #	Part Name	Description	Price
097149	10040500010	Fixed Temp Freeze Stat	Fixed Temp Freeze Stat For use with RCM/RM/RPM Units	

**Honeywell Repair Parts**

**Fan Centers**

**R8239 Control Center**



- Provides low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling or heat-cooling circuits
- Includes NEMA D Transformer, relay enclosures
- Convenient connections for thermostat and heating-cooling equipment wiring
- Mounts on standard 4" x 4" junction box in any indoor location without additional enclosures
- Relay is easily replaced without disturbing wiring

Part #	Mfg #	Description	Price
112616	R8239B1076	120/208/240V, DPDT Switching, 50VA Transformer, Includes R8222D	

**R8285 Control Center**



- Transformer powers low voltage control systems and provides overload protection
- Low voltage terminal board provides convenient connections for thermostat and heating/cooling equipment wiring
- Mounts on standard 4" x 4" junction box
- Relay is easily replaced without disturbing wiring

Part #	Mfg #	Description	Price
006780	R8285A1048	120V, SPDT Switching, 40VA Transformer, 24V Secondary, Includes R8222B Plug-In Relay for 1 or 2 Speed Fans	

**Fan Timers**

**Universal Electronic Fan Timer**



- Diagnostic LED
- Replaceable fuse
- DIP switch selectable heat and cool delay on and off times
- Includes EAC and HUM terminal connections & continuous low speed indoor air circulation
- Integrates control of all combustion blower & circulating fan operations in a gas warm-air appliance

Part #	Mfg #	Description	Price
134225	ST9120U1011	Electronic Fan Timer	

**Parts & Accessories**

Part #	Mfg #	Description	Price
138257	50041883-002	TrueEase AC Solenoid Valve	

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**Humidifier Parts & Accessories**

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**Humidifier Parts & Accessories**

**Humidifier Parts**

Part #	Mfg #	Description	Price
037355	32001615-001	Drain Fitting for HE220 and HE260 Humidifiers	
037357	32001639-002	Solenoid Valve Assembly for Honeywell Humidifiers, Includes Water Feed Tube & Nozzle	

**Honeywell Repair Parts**

**Honeywell Accessories**  
**Motors**

Part #	Mfg #	Description	Price
006844	802360JA	24V Sealed Replacement Motor for V8043/V8044	
163574	802360LA	120V, 60 Hz Replacement Motor for V4043, V4044	
099342	MZV520-RP	24V 60 Hz Motor for MZV524E/25E/26E/27E w/switch	

**Replacement Head for V Series Zone Valves**

Part #	Mfg #	Description	Price
006841	40003916-026	24VAC, 50/60 Hz Replacement Head with End Switch for V8044E	
031407	40003916-048	24VAC, 50/60 Hz Replacement Head with End Switch for V8043F	

**Checkout Kit for Economizer Logic Modules**

- Includes resistor and jumpers
- Used with W7459, W7210, W7212, and W7215



Part #	Mfg #	Description	Price
223324	4074EJM	Economizer Checkout Kit for W7459, W7210, W7212, and W7215	

**Honeywell Parts**

Part #	Mfg #	Description	Price
074665	32001754-001	Current Sensing Relay for Whole-House Humidification Units	
006842	40003918-006	Adapter Kit for V4043, V8043, 2-Way Hydronic Valves	
127196	50027997-001	Solenoid Valve for TrueSTEAM	
163982	50041883-001	DC Solenoid Valve	
143930	50027998-002	True Steam Water Level Sensor	
152377	Y8427U9045	Universal Service Kit, Carton Consists of: (1) S8610U3009/U. (1) ST9120U1011/U. (1) Q3200U2002/U. (1) S9200U1000/U. (1) Multi tool.	
137379	50033181-001	TrueSTEAM Water Tank - Large	
129898	50028044-001	Humidifier Filter, In-Line Scale/Sediment	
200692	C7232A1008	Wall Mount CO2 Sensor with display, 0/2-10Vdc or 0/4-20mA output	
166027	GROW2	Honeywell Kit	
209920	VCZAL1100U	3/4" Valve Body	
171083	THP9045A1023/U	WireSaver for THX9000 Series Thermostats	

## Jones Stephens Repair Parts

### Nuts and Washers

#### Basin Nut



Part #	Mfg #	Description	Price
044429	B10-102	1/2"-14 x 1/2" Regular Zamak	

### Basket Strainer Locknut

- Die cast zinc



Part #	Mfg #	Description	Price
093968	B10-094	Basket Strainer Rubber Washer	

### Flat Bibb Washer

- Trade size



Part #	Mfg #	Description	Price
191520	O25202	1/4"	

### Carrier Nut & Washer Set

- 5/8-11 Threads



Part #	Mfg #	Description	Price
125755	C56-100	4-Pk Nuts & Washers	

### Hex Nut



Part #	Mfg #	Description	Price
191511	F33-082	3/8" - 16	
191512	F33-083	1/2" - 13	

### Zinc Plated Flat Washer

- 3/8" (1" OD)



Part #	Mfg #	Description	Price
191507	F33-094	3/8" (1" OD)	
191509	F33-096	3/8" (1-1/2" OD)	
191508	F33-097	1/2" (2" OD)	
191506	F33-098	1/4" (1" O.D.)	

### O-Ring Kit

- Packed in re sealable plastic case with fitting chart on lid



Part #	Mfg #	Description	Price
093646	O25-200	200-Pc O-Ring Plumber's Pack	

### Tail Pieces

#### Flanged Tailpiece

- 17 Gauge rough brass



Part #	Mfg #	Size	Price
240051	P38459	1-1/2" x 8"	

### Parts & Accessories

#### Stem for Heavy Kitchen & Bath Faucet

- Carded
- Cap gaskets or seals included
- Screws, washers, & packings included



Part #	Mfg #	Description	Price
241190	C1756C	Cold	
241191	C1756H	Hot	

## Kohler Repair Parts

### Kitchen Side Sprays Standard Kitchen Side Spray & Hose



Part #	Mfg #	Description	Price
187506	1011130-VS	Sidespray Assy, *Stainless	
156774	1021724-VF	Sidespray w/Hose, Brass	
122911	GP1021724-7	Sidespray w/Hose, Black Black	

### Spray & Hose

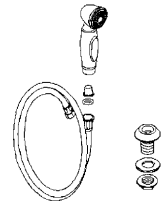


Part #	Mfg #	Description	Price
171513	1013838-BV	Spray Assy, *Br Brz	
153883	1014048-CP	Hose Secondary, Chrome	
155335	1036940-0	White Spray Head Kit	
153433	1037518-CP	Hose Kit, Polished Chrome	
244327	K-1032256-BN	Brushed Nickel*	
098050	1041319-CP	Pull-Out Spry Head Chrome	
173755	1041319-G	Pull-Out Spry Head Chrome	
152453	1041320-CP	Hose Kit, Polished Chrome	
152453	1041320-CP	Hose Kit, Chrome	
101298	1056336-CP	Hose Kit, Chrome	
153955	1109445-BN	Spray w/ Screen *Br Nickel	
134128	1114379-BC	Hose Kit, Bright Chrome	
164835	1148629-BC	Hose Kit, Bright Chrome	
166252	1155250-CP	Bellera Spray Head Chrome	
182429	1141915	Hose Kit	
183339	1153208	Hose Guide	
156335	1155250-VS	Spray Head, *Stainless	
172261	1155250-2BZ	Spray head, Oil-Rbd Bronze	
165112	1155355-CP	Spray Head, Pol Chrome	
155345	1155355-VS	Spray Head, *Stainless	
162203	1179931	Sprayhead Adapter	
222878	1218822-CP	Spray Assy, Chrome	
181715	1218823-CP	Spray Assy, Chrome	
170388	1218824-CP	Spray Assy, Chrome	
173920	1218824-VS	Spray Assy, *Stainless	
167009	1219935-BC	Hose Kit, Bright Chrome	
244611	1296842-CP	Hand spray Assy, Chrome	

### Kitchen Side Sprays (Continued) Spray & Hose

Part #	Mfg #	Description	Price
167797	75167-D	Replacement Spray, White	
157802	GP1092201	Hose Kit	
055348	GP78825-CP	Hose Kit Chrome	

### Side Spray Assembly



Part #	Mfg #	Description	Price
175894	1005010-CP	Hose Service Kit, Chrome	
153716	1005010-VF	Hose Service Kit, * Brass	
135248	1011130-G	Side Spray Assy Br Chrome	
155090	1085211-CP	Side Spray Assy, Chrome	
166253	1088395-VS	Side Spray Kit, *Stainless	
244405	1304674-BC	Pullout Hose Service Kit, Bright Chrome	

### Shower Installation Pressure Balancing Kit

Part #	Mfg #	Description	Price
134263	K-1144925	PBU for K-306-KS & K-2971-KS	

### Urinal Installation

Part #	Mfg #	Description	Price
056119	21403	Urinal Cleanout Plug	

### Urinal Spud Assembly



Part #	Mfg #	Size	Price
145344	18759	1-1/4"	

### Toilet/Urinal Installation & Accessories

Part #	Mfg #	Description	Price
246241	1261108	Urinal Piston, 0.125 GPF	
246242	1261109	Urinal Piston, 0.5 GPF	

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## Kohler Repair Parts

### Toilet/Urinal Installation & Accessories (Continued)

Part #	Mfg #	Description	Price
246243	1261110	Urinal Piston, 1.0 GPF	
246244	1261111	Toilet Piston, 1.1 GPF	
246247	1261113	Toilet Piston, 1.6 GPF	
246249	1261112	Toilet Piston, 1.28 GPF	

#### Urinal Strainer



Part #	Mfg #	Description	Price
183714	53147-S	Urinal Strainer, Pol Stainless	
169956	GP1211759	Urinal Strainer	
173481	GP1217811	Urinal Strainer	
057460	9161-NA	Behive Urinal Strainer	

#### Ballcock Retro Fit Valve

- For Rialto/  
San Raphael3.5 toilets



Part #	Mfg #	Description	Price
055292	K-84499	Plastic	

#### Cap Assembly



Part #	Mfg #	Description	Price
072213	1013092-0	Bolt Cap Accy Pack, White	
153559	1013092-G9	Bolt Cap Accy Pack, Sndbr	
186397	1013092-NY	Bolt Cap Accy Pack, Dune	
108130	GP1013092-96	Bolt Cap Accy Pack, Biscuit	
223630	5420-0	Low-Profile, White	
223631	5420-96	Low-Profile, Biscuit	
226816	5420-K4	Low-Profile, Cashmere	

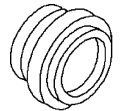
### Faucet Valves

#### Complete Valve Assembly for Retrofitting Faucet

- 1/2" Valve

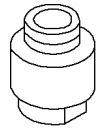
Part #	Mfg #	Description	Price
137033	1131481	Valve Body w/Hot Stem	
172151	1170273	Valve Replacement	

#### Valve Repair Seat



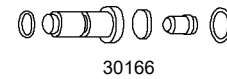
Part #	Mfg #	Description	Price
055320	20774-RP	Renewable Seat	

#### Vacuum Breaker



Part #	Mfg #	Description	Price
055422	GP49114	Vacuum Breaker	

#### Valve Repair Kit



30166



1000187

Part #	Mfg #	Description	Price
182594	30147	Valve Service Kit	
182596	30372	Valve Service Kit	
182627	40409	End Valve Assy	
182681	58076	Valve Assy	
171801	76567	Valve Assy	
056161	1000187	Valve Repair Kit	
162934	1178733	Valve Assy	
165027	1021121	Valve, Volume Control	
246767	1235756	Valve, 35 MM Short	
132759	GP1017426	Valve, Kitchen	
160355	GP1093674	Valve, Kitchen	
222832	GP1152350	Valve, Centerset Faucet	
222831	GP1192521	Valve, 25 MM White	
055381	GP78579	Valve Repair Kit	
055308	GP30166	Valve Service Kit	
055317	GP30119	Valve, Trend Shower (Hot)	

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## Kohler Repair Parts

### Washers, Nuts & Gaskets



Part #	Mfg #	Description	Price
182530	20496-BC	Lock Nut, Bright Chrome	
182532	20564	Washer	
182533	20565	Washer	
182536	20644	Gasket	
247267	21600	Washer F/STR-PLU	
182569	21766	Nut	
182572	21779	Gasket	
182574	21844	Nut	
153386	23094	Nut	
182584	24003-CP	Nut, Polished Chrome	
153819	32008	Nut	
182601	32060	Washer	
163448	32313	Nut	
182603	32841	Gasket	
182604	33331	Washer	
182606	33504	Washer	
182607	33772	Washer	
182608	34037	Gasket	
182610	34074-CP	Nut, Polished Chrome	
154416	34274	Washer	
182618	36262	Washer	
182626	40295	Washer	
170645	41376	Gasket	
154513	50751	Nut	
112456	50752	Washer	
182646	50843	Washer	
182647	51250	Gasket	
113702	51531	Gasket	
169200	52705-CP	Nut, Polished Chrome	
055325	53410	Washer	
159433	55164	Nut	
182656	55413	Washer	
182687	59606	Gasket	
181864	65157	Nut	
165926	65885	Gasket	
178854	71108	Nut	
177272	71813	Gasket	
166860	78058	Washer	
166861	78057	Washer	
166859	78087	Gasket	
182733	78913	FacePlate Gasket	
182745	1007995	Washer	
182740	1000949	Washer, Plastic	
154945	1009882	Gasket, Molded	

### Valve Repair (Continued)

#### Washers, Nuts & Gaskets

Part #	Mfg #	Description	Price
165460	1015190	Washer	
183181	1018336-RP	Nut, Rough Plate	
181866	1020677	Gasket	
183184	1025642	Washer	
166877	1037307	Gasket	
152641	1050048-B	Nut	
183214	1051504-RP	Nut, Rough Plate	
178035	1070291	Gasket Kit	
155661	1106733	Washer	
154740	1113583	Locknut & Gasket Kit	
183328	1128531	Washer	
180292	1222738	Gasket	
187471	1181517-RP	Nut, Rough Plate	

### Rough-In Valves Parts and Assemblies

#### Rite-Temp® Test Cap for K-8300 Series Valve Bodies

- Includes test cap assembly with seals
- Rated for pressure-testing up to 150 psi maximum (air or water)
- Supplied as standard with K-8300 series valve body rough-ins
- Available as an optional extra for K-8304 series valve body and cartridge kits
- Allows installed valve rough-in to be flushed and pressure-tested without installing cartridge



Part #	Mfg #	Description	Price
226714	K-10351-NA	Test Cap for K-8300 Series Valve Bodies	

#### 10" Rough-In Full Skirt Trap and Attachment System

- 10" (254 mm) rough-in
- Converts standard 12" rough-in products to 10" configuration
- Plastic trapway



For use with the K-3981 Tresham one-piece toilet, K-6428 Memoirs Stately skirted one-piece toilet and K-6424 Memoirs Classic skirted one-piece toilet

Part #	Mfg #	Description	Price
230307	K-5383-NA	10" Rough-In Kit	

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## Kohler Repair Parts

### Sink Service Parts

#### Rough-In Kit



GP1030932

Part #	Mfg #	Description	Price
166957	1066498	Rough-In Kit	
170792	1139260-CP	Rough-In Kit, Pol Chrome	
158598	1131486	Rough-In Kit	
168420	1187917	Rough-In Kit	
169472	1194630	Rough-In Kit	
127033	56373-CP	Rough-In Kit, Pol Chrome	
182707	73418-CP	Rough-In Kit, Pol Chrome	
098493	GP1007937-CP	Rough-In Kit Pol Chrome	
090369	GP1025388	Rough-In Kit Pol Chrome	
087416	GP1030932	Rough-In Kit Pol Chrome	

### Parts

Part #	Mfg #	Description	Price
154944	1000193-BV	Escutcheon, *Br Bronze	
166994	1000282-CP	Handle Kit, Pol Chrome	
189946	1001384-47	Service Kit, Almond	
153127	1001384-96	Service Kit, Biscuit	
155078	1001384-89	Service Kit, Desert Bloom	
166039	1001726-G	Handle Service Kit	
185783	1001795-BN	Handle Kit, * Br Nickel	
190273	1001795-47	Handle Kit	
177854	1001978-CP	Escutcheon, Pol Chrome	
153385	1002856	Bracket-Hold Down	
182739	100315	Clicker-Drain Assy	
182018	1003594	Spout Seal	
151709	1005129	O-Ring	
166832	1006008	Lift Rod Kit	
103651	1006026	Retainer	
182741	1006057-CP	Door Hinge, Pol Chrome	
182742	1006134-CP	Door Hinge, Pol Chrome	
177856	1006262	Stem Adapter Assy	
180497	1006269-CP	Escutcheon, Pol Chrome	
182744	1006396	Pin	
245107	1006397-CP	Hinge Cover, Pol Chrome	
167396	1006784-CP	Escutcheon Assy, Chrome	
180037	1007376-CP	Handle Kit, Pol Chrome	
162642	1007718-CP	Handle, Pol Chrome	
156197	1007999	Stem Driver	
177857	1008205	Screw	

### Parts (Continued)

Part #	Mfg #	Description	Price
187098	1009781-CP	Faceplate, Pol Chrome	
189790	1009814-CP	Escutcheon, Pol Chrome	
183175	1009872-AF	Bonnet, *French Gold	
154055	1009888-CP	Base Handle, Chrome	
165459	1010161-BN	Trim Ring, *Br Nickel	
188789	1010315-CP	Escutcheon, Pol Chrome	
181490	1010672	Air Pressure Switch	
182875	1011032-0	Whirlpool Trim Kit, White	
182874	1011031-96	Whirlpool Trim Kit, Biscuit	
165984	1012391-BN	Handle, *Br Nickel	
166803	1012916	Split Coupling	
170229	1012977	Adapter	
167478	1013452-0	Dial Trim Assy, White	
167477	1013453	Detent Spring	
181867	1013469-0	Trim Ring, White	
164795	1013489	Stem	
165835	1014065	Tank Plate	
182876	1014072-7	Toilet Seat, Black Black	
178298	1014086-08	Seal	
165458	1014087-BN	Bonnet, *Br Nickel	
183178	1014554-SN	Spout & Hardware, *Nickel	
160891	1014555-CP	Spout & Hardware, Chrome	
182877	1014556-CP	Spout & Hardware, Chrome	
167744	1014917-G	Lift Rod Assy, Br Chrome	
175018	1015084-BN	Button, *Brushed Nickel	
167746	1015084-G	Button, Brushed Chrome	
136712	1015345	Graphics, Red & Blue	
172143	1015467-2BZ	Handle Assy Oil-Rbd Bronze	
165456	1015782	Screw	
153165	1016455-CP	Escutcheon Assy, Chrome	
183180	1017273	Screw	
181863	1018662	Control Assy	
182879	1020006-G	Shower Arm, Br Chrome	
182880	1020007-VF	Shower Arm, *Pol Brass	
182881	1020609	Tube	
167479	1023381	Service Tool	
190293	1022562-VF	Trip Lever Kit, Pol Brass	
173541	1024303-0	Button, White	
162318	1024303-2BZ	Button, Oil Rubbed Bronze	
162335	1024303-BN	Button, *Brushed Nickel	
183183	1024303-VF	Button, Polished Brass	
183167	1025637-AF	Trim Ring, *French Gold	
154765	1025637-BN	Trim Ring, *Brushed Nickel	
153164	1030689-CP	Escutcheon, Pol Chrome	

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## Kohler Repair Parts

### Parts (Continued)

Part #	Mfg #	Description	Price
183185	1031444	Soap Dish	
176758	1031869-CP	Escutcheon, Pol Chrome	
183186	1031962	Bearing	
183187	1032126-VF	Drain Handle Assy, Brass	
175899	1032250	Seal	
187628	1032253-BC	Body Assy, Bright Chrome	
183188	1032267	Replacement Screw	
186677	1032493-0	Bubble bath Interface, White	
177257	1032546	Valve Stops	
223376	1032872-BC	Valve Stem Adapter	
190205	1033209	Tube, 10.50	
171281	1033743-BN	Escutcheon, *Br Nickel	
153729	1034578	Retainer	
184322	1035359-BN	Escutcheon, *Br Nickel	
166029	1035359-CP	Escutcheon, Chrome	
183191	1035359-VS	Escutcheon, *Stainless	
183192	1035564	Drain Link	
168072	1035605	Screw Set	
170434	1035796-CP	Handle, Pol Chrome	
246749	1036041-CP	Body Spray Face, Chrome	
163159	1036044	Clamp	
182830	1036210	Blower Kit	
183193	1036218	Check Valve Assy Kit	
183194	1036221	Cover/CB Assy	
172555	1036453-CP	Handle Assembly, Chrome	
171280	1036906	Putty Plate	
187935	1036932-BN	TrimRing, *Brushed Nickel	
183195	1036994-AF	Plunger Assy, *French Gold	
159708	1036994-VF	Plunger Assy, Pol Brass	
175689	1037021-BN	Plunger Assy *Br Nickel	
183197	1037021-G	Plunger Assy Br Chrome	
172528	1037022-BKB	Plunger Assembly, Br Black	
161237	1037023-BN	Drain Assy, *Br Nickel	
183198	1037023-G	Drain Assy, Br Chrome	
175333	1037334	Plunger Arm Assy	
245304	1037431-BN	Spray Holder Assy, *Br Nkl	
170632	1037431-BV	Spray Holder Assy, *Br Brz	
225585	1037431-G	Spray Holder Assy, Br Chr	
153316	1039475	Mounting Kit	
184794	1039714-BN	Lever Handle, *Br Nickel	
163161	1039745	Set Screw	
166289	1040484-CP	Spout Kit, Pol Chrome	
183200	1041109-G	Escutcheon, Br Chrome	
174324	1041180-BN	Lift Rod, *Brushed Nickel	

### Parts (Continued)

Part #	Mfg #	Description	Price
185607	1041321-CP	Handle Kit, Br Chrome	
165318	1041573-G	Spray Face, Br Chrome	
177167	1041840	Drain Rod	
183201	1042007	Check Valve Kit	
177074	1042634	Wall Sleeve Assy	
163145	1044060	O-Ring	
168711	1044616	Retainer	
163427	1045251	Cable Assembly	
248081	1043340-CP	LH Trip Lever Assembly	
163158	1045768	Sprayhead Kit	
165316	1045769	Sprayhead Kit	
177258	1046101	Seal Kit	
183203	1046153	Weight	
183204	1048208-B	Screw	
183205	1048208-C	Screw	
183206	1048656-P	Sealing Liquid	
183695	1049146	Floor Mounted Fixing Pack	
163160	1051487	Membrane	
183207	1051503-BN	Bonnet, *Brushed Nickel	
165317	1051682	Membrane	
185403	1052086	Power Supply Kit	
183215	1052857	Reduce Bushing	
183216	1054165-SN	Lift Rod Assy, *Pol Nickel	
183218	1055628	Solenoid Assembly	
135539	1055666	Solenoid	
187554	1055800-BN	Handle Kit, *Br Nickel	
169720	1060438-CP	Escutcheon, Pol Chrome	
120956	1060514	Insert - Square Stem for Coralais Handle	
176650	1060800	Spacer Kit	
169793	1067372-96	Toilet Seat, Biscuit	
183220	1068202-BN	Stopper, *Brushed Nickel	
163642	1068202-BV	Stopper, *Brushed Bronze	
177685	1068525-BN	Assembly Cover, *Br Nickel	
163641	1068525-BV	Assembly Cover, *Br Brz	
187234	1068945	Retainer	
183221	1069315	Spring	
183222	1069723-0	Trip Lever, White	
245108	1070676-01-58	Strike Jamb Seal, Thunder Grey	
183223	1070844	Hardware Bag	
183224	1071000	Storage Locker Parts Kit	
169116	1071652	Hex Bit	
171261	1074034	Tool Assy	
183225	1074721-BN	Bonnet, *Br Nickel	
183226	1074724-BN	Adapter, *Brushed Nickel	

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**Kohler Repair Parts**

**Parts (Continued)**

Part #	Mfg #	Description	Price
183227	1075614	O-Ring	
183228	1075615	O-Ring	
178585	1077791-96	Plug Buttons, Biscuit	
245303	1077792-96	Plug Buttons, Biscuit	
171786	1077792-BN	Plug Buttons, *Br Nickel	
183229	1077813	Solenoid Valve Kit	
183230	1077815	Valve Cover Kit	
183231	1077816	Diaphragm Kit	
128818	1078578	Flush Valve Assembly Kit	
155319	10813650-0	Floor Mounting Kit Assy	
183232	1081873-BN	Handle, *Brushed Nickel	
222456	1081873-CP	Handle, Chrome	
114111	1083980	Canister Valve Assy Kit	
156362	1086408-CP	Handle, Pol Chrome	
156410	1086409-58	Ring, Thunder Grey	
222940	1085211-VS	Side Spray Assembly	
155113	1086972	Hinge Mount	
163815	1088996	Valve Kit	
181309	1090621-2BZ	Lift Rod Assy, ORB	
183235	1093029	Assembly Body	
161131	1093053-BV	Spout & Diverter *Br Bronze	
160252	1094550-CP	Straight Stop, Pol Chrome	
183236	1094562	Bonnet	
170190	1094612-CP	Valve, Polished Chrome	
154678	1094633	Seat & Sleeve Assembly	
166611	1094724	Side Body	
148639	1095910	Diaphragm Assembly	
183240	1098124	O-Ring	
183176	1010343-CP	Handle, Polished Chrome	
182747	1010376	Flapper	
155669	1011059-58	Ring, Thunder Grey	
165461	1011530-BN	Handle, *Brushed Nickel	
246158	1012692	Pressure Switch	
157984	1013457-E-96	Flagship Assy, Biscuit	
159535	1013970	Screw	
152457	1013975	Adapter	
154533	1014049	Steam Adapter	
157985	1015009	Plug Assy	
169377	1016310	Plate	
156133	1016953	Pump Assy	
156195	1018651-CP	Handle Polished Chrome	
159106	1018651-BN	Handle *Brushed Nickel	
157818	1018651-BRZ	Handle, Oil Rubbed Bronze	
165985	1019021-BN	Waste Plug, *Br Nickel	
151743	1020678-E-96	Cover/CB Assy, Biscuit	

**Parts (Continued)**

Part #	Mfg #	Description	Price
156951	1020679-A	Cover/CB Assembly	
159540	1024303-47	Plug Button, Almond	
160135	1024303-96	Plug Button, Biscuit	
157926	1024303-CP	Plug Button, Pol Chrome	
111678	1024419	Hub	
159622	1025210-BN	Escutcheon Assy, *Br Nkl	
154531	1025639-BC	Drain, Bright Chrome	
159534	1032871-BC	Adapter, Bright Chrome	
151597	1033731	Plug Assembly	
151598	1033732	Mixer Valve	
158221	1034484	Clip	
154831	1035023-CP	Handle Assy, Pol Chrome	
152485	1035783	Seal Assy	
152917	1036160	Push Rod Kit	
152344	1036212	Kit, Blower-International	
172556	1036452-CP	Handle Assy, Pol Chrome	
153655	1036994-CP	Plunger Assy, Pol Chrome	
183196	1036994-G	Plunger Assy, Br Chrome	
152915	1037044-CP	Handle Assembly, Chrome	
183199	1038690	Vent Assembly	
159505	1039095-CP	Assy, Polished Chrome	
173128	1041321-BN	Handle Kit, *Brushed Nickel	
155666	1041321-G	Handle Kit, Br Chrome	
248045	1042629-CP	Control Ring Assy, Chrome	
190209	1042831	Flush Valve Kit	
153884	1043004	Screw Set	
152643	1044585	Roller	
223269	1045770	Adapter Kit	
120496	1046987-CP	Handle Kit, Pol Chrome	
223375	1048476	Screw, M4 x 60MM Long	
152637	1051142-A	Screw	
152456	1051609-BN	Lift Rod, *Br Nickel	
152435	1054623-BN	Diverter Assy, *Br Nickel	
152212	1055637	Diaphragm Assembly	
162256	1055650-CP	Push Button Assy, Chrome	
153605	1055715	Service Kit	
152639	1059792	Bushing	
135541	1060056	Kit, Piston Cover	
186964	1062356-33	Drain Cover, Mexican Sand	
157607	1065219	Electronic Unit Assy	
248941	1068202-2BL	Stopper, Black	
155414	1068204	Cartridge Assy	
171397	1068380-0	Access Panel	
246111	1070675-01-58	Strike Jamb Cap, Thunder Grey	

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## Kohler Repair Parts

### Parts (Continued)

Part #	Mfg #	Description	Price
152838	1072961-CP	Button Assy, Pol Chrome	
152644	1077763-A	Bolt	
165893	1077792-BV	Plug Buttons, *Br Bronze	
159625	1077792-47	Plug Buttons, Almond	
152717	1080774	Union Assy	
157870	1081349	Adapter Assy	
152040	1093052-VF	Kit, Polished Brass	
183173	1100507-0	Hinge Cover, White	
155987	1100590	Hose	
148638	1102542	Solenoid Assy	
157194	1104111-BV	Nozzle Assy, *Br Bronze	
185157	1104111-CP	Nozzle Assy, Chrome	
164048	1104111-VF	Nozzle Assy, Pol Brass	
164773	1104235	Solenoid Kit	
168064	1104270	Assy	
170369	1104271	Electronic Unit Assy	
168063	1104272	Piston Cover Kit	
154930	1104617	Crank Assy	
172129	1104957	Laminar Insert	
125323	1105656	O-Ring	
189739	1105685-BN	Overflow Cover, *Br Nickel	
247385	1105685-CP	Overflow Cover, Chrome	
183243	1105706	Tool Kit	
188100	1105900	Spout Extension Assy	
165033	1106015	Sensor Assy	
155660	1106729-BN	Handle, *Brushed Nickel	
248480	1109254-CP	Loure Escutcheon, Chrome	
248402	1125009-CP	Cover Assy, Chrome	
168062	1111139	Solenoid Kit	
244187	1112258	Tank Plate	
183324	1115286	Ring	
246840	1115841-CP	Flange, Chrome	
160683	1119112	Slip-Fit Clamp Kit	
183325	1120992-BN	Handle, *Brushed Nickel	
248023	1123790-CP	Handle Assy, Chrome	
140785	1131496	Seal, Canister Dual Flush	
183329	1131838-58	Bumper, Thunder Grey	
152557	1133024	Hardware Pack	
177252	1133070	Service Kit	
155662	1138476-BN	Escutcheon Assy *Br Nickel	
158967	1139558	Collect-Push-In	
183696	1139526-CP	Elbow Assy, Pol Chrome	
168212	1139600	Trapway Service Kit	
155640	1140164-BN	Flange, *Brushed Nickel	
141416	1140858-CP	Slidebar Assy, Chrome	

### Parts (Continued)

Part #	Mfg #	Description	Price
183331	1140867-BN	Cover, *Brushed Nickel	
183697	1141213-B	Cartridge, Transfer Valve	
222069	1142457-BN	Spout Assembly	
177423	1142538	Filter Block	
183336	1145563	Kit, SPR Valve Assembly	
172730	1145638-HW1	Toe Tap Assy	
169192	1146417	Pump	
183337	1146802-0	Air Jet Service Assy, White	
152316	1147742-0	Air Switch Kit, White	
157788	1147742-47	Air Switch Kit, Almond	
166779	114847-VS	Spray, *Stainless	
183338	1150464-0	EB Hinge Kit, White	
249067	1150464-96	EB Hinge Kit, Biscuit	
160674	1151429-CP	Collar, Polished Chrome	
180822	1151441-CP	Shower Arm, Pol Chrome	
163200	1151968-BN	Service Kit, *Brushed Nickel	
163170	1151968-CP	Service Kit, Pol Chrome	
171450	1152299-BN	Spray/Screen Kit, *Br Nickel	
166599	1153944-BN	Handle Kit, *Br Nickel	
164798	1153944-CP	Handle Kit, Pol Chrome	
187838	1153944-G	Handle Kit, Br Chrome	
167699	1154757-58	Screw Cover Service Kit	
188368	1154836	Hose Assy	
249368	1155515	Flush Valve Fixing	
170194	1155520	Pipe System	
177056	1156410-BN	Plug Button, *Br Nickel	
183698	1156410-CP	Plug Button, Pol Chrome	
183555	1161770	Rotary Assy	
183702	1160753	Adapter	
190321	1166635	3/4" Volume Control Insert	
166308	1166879-BN	Tube, *Brushed Nickel	
223932	1166879-CP	Tube, Pol Chrome	
176945	1173678	Cartridge Assy	
180261	1175870-BN	Lift Rod, *Br Nickel	
181980	1177160	Sink Clips	
183704	1177161	Installation Clip Kit	
173008	1178736	PCB Board & Cover Assy	
248940	1179957-BL	Strainer, Matte Black	
183706	1179957-BN	Strainer, *Brushed Nickel	
248943	1179957-2BL	Strainer, Black	
069038	1179-NA	Tiling-In Bead, 180" Length	
167166	1180445-VF	Escutcheon, Polished Brass	
056792	1181-NA	Tiling-In Bead, 132" Length	
161065	1185540-BN	Assy Slider, *Br Nickel	
188413	1187796-SH	Handle Kit, Bright Silver	

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**Kohler Repair Parts**

**Parts (Continued)**

Part #	Mfg #	Description	Price
172092	1187796-SHP	Handle Kit, Bright Pol Silver	
158906	1190050-K-CP	Assy, Polished Chrome	
188463	1191575-CP	Shower Arm, Pol Chrome	
171043	1194302-CP	Large Escutcheon, Pol Chr	
182831	1194940	Cable	
183710	1200948	Chain Kit	
172093	1201773-BN	Spout Assy, *Br Nickel	
188554	1202708	Mirrored Door Assy	
169231	1202077	Supply Hose SS	
224199	1202709	Mirrored Door Assembly	
186691	1204788-2BZ	Cold Handle Assy, ORB	
186251	1207169	Supply Hose	
183711	1207943	Diverter Spout Cap	
165035	1209172-VS	Escutcheon,* Stainless	
222939	1209172-CP	Escutcheon, Oil-Rubbed Brz	
224985	1218071	Supply Adapter	
186669	1218822-VS	Spray Assy, *Stainless	
176606	1218922-CP	Button, Polished Chrome	
181868	1219654	Heater	
179983	1219693	Pipe Plug	
180294	1222736	Adapter	
188461	1224550-CP	Escutcheon, Pol Chrome	
187872	1229031	Supply Adapter	
171581	1229524	Basin Rack Wheels	
244980	1222873	Quick Connector Kit	
183712	1232221-BN	Handle Assy, *Br Nickel	
177253	1239016	Hardware Pack	
178416	1240529	Overflow Shell	
185308	1256315	OEM Touchless Assy	
189976	1262603-CP	Steam Head Kit, Pol Chr	
158897	13602-NA	Cable Assy	
247220	13603-NA	8' Cable Assy	
155785	14511-CP	Escutcheon Plate, Chrome	
124369	18376	3/4" Urinal Spud Assembly	
182526	20345-BN	Flange & Set Screw Assy,*Br Nickel	
156847	20345-CP	Flange & Set Screw Assy, Chrome	
165097	20345-VF	Flange & Set Screw Assy, Pol Brass	
162187	20363-VF	Flange Assy, Pol Brass	
182529	20413-CP	Valve Stem, Pol Chrome	
182527	20401	Post	
222959	70442	Stem Extension Kit	
182531	20536-CP	Lift Rod, Pol Chrome	

**Parts (Continued)**

Part #	Mfg #	Description	Price
182534	20615-BN	Screw, *Brushed Nickel	
182535	20617-CP	Overflow Hood, Chrome	
182537	20650-CP	Stopper Assy, Chrome	
182538	20652-CP	Screw, Chrome	
182539	20654-RP	Valvet, Rough Plate	
182540	20851-CP	Escutcheon, Pol Chrome	
055337	20961	Seat Washer	
182558	21072-BN	Stopper Assy, * Br Nickel	
182560	21098-CP	Escutcheon, Chrome	
223383	21694	Lift Toggle Assembly	
182570	21775	Screw	
182571	21777	Niedecken Detail	
182573	21843-BC	Screw, Bright Chrome	
182575	21845	Packing	
164410	21152	Screw	
164411	21153	Adjusting Block	
164409	21155	Lift Rod	
158316	21166-BKB	Strainer Body, Br Black	
173074	21166-CP	Strainer Body, Chrome	
182561	21166-VF	Strainer Body, Pol Brass	
182562	21281-CP	Shroud Cover, Chrome	
182882	21318-AF	Stopper Assy, * Fr Gold	
158315	21318-BKB	Stopper Assy, Br Black	
182563	21318-VF	Stopper Assy, Pol Brass	
182564	21354	Lift Rod	
182565	21496	O-Ring Assy	
247266	21603-VF	Screw, Oval Countersunk .250-20 x 1.50	
182567	21712-BC	Stem, Bright Chrome	
182568	21745-CP	Cover, Pol Chrome	
172647	22125	Plunger	
172649	22126	Plunger	
172650	22211	Disc Holder	
172651	22212	Disc Holder	
182576	22325	Spline Insert	
182577	22511	Valve	
182578	22692	Diverter Seat	
182579	22859	Screw	
182580	22862-BC	Diverter Stem, Bright Chr	
162949	22910-CP	Sleeve, Polished Chrome	
182581	22916-BN	Overflow Plate, * Br Nickel	
182582	22916-CP	Overflow Plate, Chrome	
182583	22942	Seat	
153611	23023-BC	Valve Stem, Bright Chrome	
153119	23058-BC	Valve Stem, Bright Chrome	

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## Kohler Repair Parts

### Parts (Continued)

Part #	Mfg #	Description	Price
182585	24015	Union Joint	
174497	28518	Pin	
182586	29037-BC	Drain Crank, Bright Chrome	
182587	29039-BC	Drain Crank, Bright Chrome	
182588	29060-BN	Lever Lift, * Br Nickel	
182589	29077-BN	Screw, *Br Nickel	
182590	29643	Lift Toggle	
182591	30040	Valve Stem Ledge	
182592	30042	Valve Stem	
182593	30139	Sleeve & Diverter Kit	
175179	30152	Plunger Assy	
182595	30154	Lift Rod Assy	
151344	30253-RP	Rebuilding Kit, Rough Plate	
154165	30297-CP	Rebuilding Kit, Chrome	
166211	30299	Rebuilding Kit	
177747	30332-RP	Hardware Kit, Rough Plate	
167058	30394-RP	Valve, Rough Plate	
182597	30419	Tank Accessory Pack	
182598	30467	Diverter	
165924	30739	Removal Tool	
160203	30775	WP Control Kit	
163455	31537	Ball & Frame Assy	
182600	31584-BC	Valve Stem Assy, Brgt Chr	
182599	31439-BC	Diverter Assy, Chrome	
153818	32005	Packing	
056023	32462	Renew Unit Assembly, RH	
182602	32657	O-Ring	
182605	33357-BN	Screw, *Brushed Nickel	
189795	33625	Screw	
173081	33681-CP	Strainer, Chrome	
182609	34064-BN	Lever Handle, * Br Nickel	
182611	34117	O-Ring	
153817	34190	Valve Spacer	
154166	34230	Spring	
168123	34294	Packing	
182612	34532	Post For Soap Dish	
182613	34533-CP	Nut, Pol Chrome	
160251	34777	Pressure Regulator Assy	
170189	34902-G	Condensate Plate, Chrome	
182614	35103	Angle Stop Assy	
182615	35285	Screw	
161208	35296-CP	Bubbler Shank, Chrome	
159530	35311-CP	Lever Handle Assy, Chrome	
170191	35314-CP	Fountain Trap, Pol Chrome	
175962	35594	Union Conn	

### Parts (Continued)

Part #	Mfg #	Description	Price
182616	36258	Push Button	
182617	36261	Valve Stem	
182619	36263	Spring	
182620	36415	Spout Bearing	
182621	36417-RP	Swing Spout Post, RP	
182622	39881	Valve Stem Packing	
182623	40004	End Valve Body Assy	
182624	40235	Ball Lever Seat	
136388	40236	Ball-Rod Assembly	
182625	40282	Diverter Bushing	
170179	40343-CP	Handle Assy, Pol Chrome	
182883	40479-BN	Bonnet, *Br Nickel	
182628	40966	Packing	
169521	41240-VF	Insert, Pol Brass	
182629	41489	Stand Pipe	
182630	42036	Hot Plunger	
182631	42038	Cold Plunger	
182632	42052-CP	Mixer Sleeve, Chrome	
182633	42160	O-Ring	
182634	42258	Sleeve	
182635	42271	Bonnet	
171282	42414	Screw	
182636	42451	O-Ring	
165399	42674-CP	Handle, Polished Chrome	
182637	42675	Plug, Handle, Shower	
182638	42676-CP	Plug Button, Chrome	
179506	43040	Trap	
153582	43070BV	Strainer Plate, *Br Bronze	
172119	48096-CP	Strainer SA, Chrome	
189793	48250-CP	Wall Saddle, Pol Chrome	
189796	48251-CP	Rod, Pol Chrome	
165964	48609-BGD	Bidet Spray, *Moderne Br Gold	
182639	48686	O-Ring	
182640	500180	Bumper Kit	
168997	500306-G3-B11	Paint Kit, Ice	
179745	500452	Rebuild Kit, Diverter	
182641	500455-CP	Stem Extension Kit, Pol Chr	
182642	50338	Detent	
177748	50340-VF	Escutcheon, Pol brass	
182643	50344-CP	Bonnet, Chrome	
154845	50355-VF	Bonnet, Pol Brass	
182644	50588-BN	Diverter, *Br Nickel	
182648	51261	Clip	
182649	51419	Seat	

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**Kohler Repair Parts**

**Parts (Continued)**

Part #	Mfg #	Description	Price
189794	51967-CP	Screw, Pol Chrome	
170192	52054	Wall Screw	
182650	52156	Tube	
154844	52478	O-Ring	
164797	52588	Screw	
182651	52703	Overflow Tube	
182888	52865-BN	Screw, * Br Nickel	
182652	52936-CP	Hndl & Btn Assy, Pol Chr	
182653	53448-CP	Screw, Chrome	
159108	534-NA	Install Kit	
173257	550-NA	Install Kit	
182655	55108	O-Ring	
182659	56318-RP	Seat Replacement Kit, RP	
165965	56702	Shank	
225354	57081-CP	Centerpiece®, Handle	
222659	57411-BN	Lift Rod, Br Nickel	
247502	57411-CP	Lift Rod, Chrome	
183342	57411-G	Lift Rod, Br Chrome	
182677	57711	O-Ring	
161416	577-NA	Install Kit	
182679	57745-CP	Blade Handle, Chrome	
056004	57746-CP	Tend Handle, Chrome	
182680	57751	Spray Diverter	
173294	57930-VF	Escutcheon, Pol Brass	
162186	58015-VF	Sleeve, Pol Brass	
168631	58180-CP	Escutcheon, Chrome	
182682	58249	Pipe Cap	
182683	58307-VF	Shower Head, Pol Brass	
182685	58895-CP	Handle Kit, Chrome	
162749	591-NA	Install Kit	
156756	592-NA	Install Kit	
161743	593-NA	Install Kit	
182689	59636-G	Sleeve, Br Chrome	
182690	59637-G	Handle Base, Br Chrome	
182691	59637-VF	Handle Base, Pol Brass	
182686	59418	Lower Bushing	
182692	60380	Screw	
182693	64503	Hanger	
182694	65054-S	Screw, Pol Stainless	
182889	65061-BV	Suction Cover, *Br Bronze	
182695	65156-0	Switch Flange, White	
182522	65156-47	Switch Flange, Almond	
182696	65226-96	Suction Cover Plug, Biscuit	
182697	65879	Retaining Ring	
165925	67429	Flange	

**Parts (Continued)**

Part #	Mfg #	Description	Price
165927	67889	Housing Assy	
182699	70504	Plug Button	
182700	70505	Plug Button	
182701	70539	Threaded Sleeve	
180038	70593-CP	Brass Inserts, Pol Chrome	
156915	71015	O-Ring	
182702	71016	O-Ring	
181966	7117-NA	Test Seal Kit	
055352	71906	Stem Adapter	
182703	71911	Mixer Face Plate	
166030	71940	O-Ring	
172588	71947-CP	Lever Handle, Chrome	
190311	71973-CP	Handle Lever	
182704	73065	Stem Adapter	
182705	73066	Stem Adapter	
153331	73094	Adapter	
158723	73175	Flexible Shaft	
158720	73179	Sleeve	
164075	73203-G	Bezel IR Sensor, Chrome	
172152	73330	Spacer	
178094	73326-BN	Nozzle Assy, *Br Nickel	
158722	73404-CP	Tube Assy, Pol Chrome	
158718	73439-CP	Lift Rod, Chrome	
172755	73455-CP	Escutcheon, Chrome	
182198	73703	Side Valve	
182708	73719-BC	Stem Extension, Chrome	
244764	73744-AU	Diverter Spout Kit, Pol Gold	
165687	73744-BN	Spout Kit, *Br Nickel	
182709	73860	Tee Assy	
172068	74385-G	Escutcheon, Br Chrome	
158314	74675-2BZ	Overflow Hood Assy, ORB	
182716	75059	Diaphragm Assy	
182717	7511-58	Shank, Thunder Grey	
182718	75462	Graphic Cover	
162495	75564	Retaining Ring	
177491	75601-BN	Bonnet, *Br Nickel	
153434	75610-CP	Bonnet, Pol Chrome	
182719	75740	Adjustment Collar Assy	
158239	75771-CP	Cap, Polished Chrome	
225355	42669-CP	Stem/Skirt Handle	
168741	76602-CP	Escutcheon Assy, Chrome	
182720	76704-0	Bonnet Cap, White	
073775	76704-CP	Bonnet Cap, Pol Chrome	
152934	76713	Screw	
244250	76725-BL	Cap, Matte Black	

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## Kohler Repair Parts

### Parts (Continued)

Part #	Mfg #	Description	Price
182722	76755-VF	Handle Skirt, Pol Brass	
182724	77012-VF	Handle Skirt, Pol Brass	
182727	77099	Bearing	
182932	77172-BN	Escutcheon, *Br Nickel	
245980	77172-VF	Escutcheon, *Pol Brass	
164796	77642	O-Ring	
244704	77887-BV	Lever Handle Assy, *Br. Brz	
157465	77887-VF	Lever Handle Assy, Brass	
248992	77948	O-Ring	
159624	77971-47	Graphic Cover, Almond	
162319	78042-2BZ	Plug Button, ORB	
161850	78042-96	Plug Button, Biscuit	
182933	78050-BN	Escutcheon, *Br Nickel	
181411	78139-BV	Handle Assy, *Br Bronze	
159432	78139-2BZ	Handle Assy, ORB	
182934	78139-CP	Handle Assy, Chrome	
182730	78148-CP	Handle Assy, Chrome	
182731	78155	Screw	
182935	78172-BN	Stopper Assy, *Br Nickel	
160987	78205-47	Plug Button, Almond	
156226	78205-96	Plug Button, Biscuit	
163179	78205-BV	Plug Button, *Br Bronze	
156120	78205-2bz	Plug Button, ORB	
183343	78205-G	Plug Button, Br Chrome	
182732	78205-VF	Plug Button, Pol Brass	
158237	78562-58	Grip Ring, Thunder Grey	
131130	78797	Rubber Seal	
184161	78923-BN	Collar, *Brushed Nickel	
153015	78925	Hose Guide Assy	
152208	78969-58	Adapter, Thunder Grey	
165028	79150-58	Adapter Kit, Thunder Grey	
182734	800065-CP	Lever Handle, Chrome	
157839	83143	Seal Diaphragm	
183344	834404	Screw	
185858	83451	Cap Assy	
183345	836664	Mounting Hardware	
152205	84100	O-Ring	
249429	84305	Flush Valve Kit	
182737	84786	Hardware Pack Seat	
081376	85500	Mixer Cap Kit	
167088	85516	Set Screw Spout Assy	
182940	85698-CP	Escutcheon, Chrome	
167086	86036	O-Ring/Bearing Kit	
166292	86633	Bath Stem	
166482	86861-CP	Lift Rod, Polished Chrome	

### Parts (Continued)

Part #	Mfg #	Description	Price
182944	87117	Backing Plate	
164794	87118-CP	Collar, Chrome	
181643	87390	Filter Head	
187099	87448-CP	Sleeve, Pol Chrome	
166995	87536	Screw	
176620	88057-BN	Plug Button, *Br Nickel	
182945	88093-G	Screw, Br Chrome	
182946	88227-AF	Escutcheon, *French Gold	
175356	88532-96	Trim Ring Kit, Biscuit	
248993	89098	Base Seal	
182948	89279	Hold Down Plate	
158886	91915	Hardware Kit	
186467	93766-0	Cover, White	
166427	93838	PVC Tube	
182950	94497	Flat Pillow Kit	
180291	94853	Service Kit	
182738	95045	Screw	
186466	97740	Switch Assy	
176680	99272-CP	Escutcheon, Chrome	
186260	99272-SN	Escutcheon, *Pol Nickel	
238025	99272-VS	Escutcheon, *Stainless	
056035	B2100	Rod Parts	
170699	CB-DXCLC10F S	Mirrored Cabinet Door	
188928	CB-DXCLC20B AN	Mirrored Cabinet Door	
183171	CB-DXCLC20F S	Mirrored Cabinet Door	
183347	CB-SHLFCLC20	Inner Shelf	
183348	CB-SHLFCLC30	Inner Shelf	
087887	GP1003736-0	Sprayhead, White	
105414	GP1016515	Valve for Kitchen Faucets	
120573	GP1035350-CP	Premier Drain Chrome	
086238	GP1036940-CP	Spray Head Kit Pol Chrome	
122914	GP1037021-CP	Standard Plunger Assy, Chrome	
122915	GP1037022-CP	Plunger Brass Assy, Chr	
151936	GP1043211-VS	Sprayhead, *Stainless	
135542	GP1056873	Piston Assy	
185451	GP1059515	Vacuum Breaker	
117018	GP1074231	Spline Adapters	
122905	GP1077791-0	Plug Buttons, White	
122906	GP1077792-0	Plug Buttons, White	
121407	GP1083167	Fill Valve Kit	
152038	GP1092203	Cold Valve Cartridge Assy	
152039	GP1092204	Hot Valve Cartridge Assy	

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## Kohler Repair Parts

### Parts (Continued)

Part #	Mfg #	Description	Price
183237	GP1095915	Handle for Elec Faucets	
183172	GP1105825	Flapper w/ Float Kit	
055318	GP21087-CP	Trend Handle - Large	
055368	GP30000	Plug Button Kit	
005943	GP30002	Valvet	
005944	GP30004	Valvet	
055346	GP30082	Centura Repair Kit	
055128	GP30090	Repair Kit	
055316	GP30100	Plunger Service Kit	
056078	GP30320	Pressure Balance Adapter Kit - Plastic	
055311	GP30413	Valve	
055353	GP30416	Knob Handle Kit	
072769	GP30420	O-Ring Seal Kit	
228375	GP330002	1/4 Turn Valvet, HOT	
228376	GP330004	1/4 Turn Valvet, COLD	
101598	GP41398-CP	Strainer Cup Assy, Chrome	
055340	GP43146	Acrylic Handle	
055302	GP500520	Pressure Balancing Unit	
055305	GP51487	Tank Gasket w/Bolts	
055344	GP52050	Tank Bolt Accessory Pack	
055338	GP71969	Valve Mixer Kit	
056122	GP75878	Diverter Assembly	
055332	GP76671	Coralais Valve, CCW Close	
055339	GP76672	Coralais Valve, CW Close	
055319	GP76851	Mixer Pressure Balance Kit	
055293	GP77005-RP	Ceramic Valve	
055294	GP77006-RP	Ceramic Valve	
055301	GP77548	Ceramic Valve	
121052	GP77759	Mixer Cap Kit	
055351	GP77886	Mixer Cap Kit	
056127	GP78205-0	Plug Button White	
070270	GP78500	Plunger Kit	
230421	GP800881	Repair Cartridge, 8304	
180982	GP83996	Gasket for Select Flush Vlv	
055367	GP85061	Beehive Strainer	
055303	GP88921	Flush Ball Kit	
190060	RGP64512	Hanger (2)	
236510	1052070	Solenoid Manifold Kit	
249428	1068033	Fill Valve Assembly	
145967	1145688	Cartridge, Transfer Valve	
124370	18766	Urinal Outlet Kit	
055355	30006	Valve Repair - Right Hand	
157034	1103464-SR	Aerator Kit, Bright Nickel	
236984	1105050-CP	Aerator Kit-1.5gpm, Chrome	

### Parts (Continued)

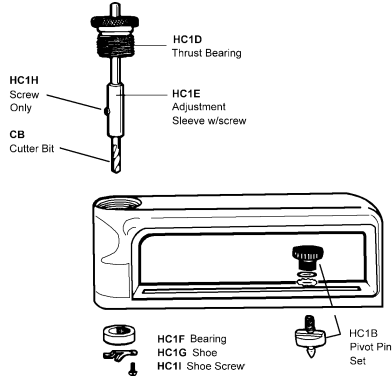
Part #	Mfg #	Description	Price
120651	84544-0	Service Kit - Feet	
144324	1073881	Deep Rough-In Kit	
087885	86101-CP	Body Spray, Zero Leakage	
055980	34842	Sleeve	
120986	GP1067183	Flapper - Class 5	
055981	30008	Valve Repair - Left Hand	
005942	23004-RP	Valve Seat & Washer Assembly	
067062	30249	Bearing Kit	
136029	1056934	Sensor Clip	
065793	50729	O-Ring	
080954	20242-BC	Valve Stem Assembly, RH	
132172	84999	Toilet Seat Anchor Kit	
094480	1000739	Valve Restrictor Kit	
142908	1157032	Piston Assembly	
145765	73858-RP	Tee Assembly	
129338	1097686	Seal, Flat	
237586	1016154-CP	Deep Rough-In, Rite-Temp	
103305	64839	Lavatory Hanger	
146199	590-NA	Underscore 5' UM Installation Kit	
229514	1123617	Hybrid Power Cell Potted	
137090	1172936-CP	Master Shower/Water Haven SH Service Kit	
071014	30126	Valve Repair Kit	
238418	1068034	Fill Valve Assembly	
113728	1007937-G	Deep Rough-In Kit	
120179	1034693-BN	Trip Lever, Cimarron *Brushed Nickel	
080960	20241	Bonnet SA	
102083	32002	Valve Bonnet	
121450	40372	Adjustable Linkage	
120889	1108711	Spacer Kit	
055366	51291	Plunger	
164079	1014086-05	Seal, Threshold 28.125"	
238804	1102432	Kit, Hardware	
055342	22947	Plunger SA - Clockwise Close - Plastic	
056007	22948	Plunger SA, CCW Close Plastic	
240444	1207327	Emblem, Tank Cover	
249194	1017282-BN	Lever Handle Assembly Bath	

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## Malco Repair Parts

### Hole Cutter Parts Hole Cutter Replacement Part



Part #	Mfg #	Description	Price
006379	CB	Malco Bit for HC1 and HC2	
006409	HC1B	Pivot Pinset for HC1	
034909	HC1D	Thrust Bearing w/Adapter	
006410	HC1E	Adjustable Sleeve for HC1	
006411	HC1F	Ball Bearing for HC1	
006412	HC1G	Guide for HC1	
054345	HC1I	Shoe Screw	

**McDonnell & Miller Repair Parts**

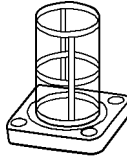
**Replacement Parts**

**Gasket**



Part #	Mfg #	Model #	Used With:	Price
007100	302600	CO-12	42,61,63,64, 65,42S	

**Strainer Basket Assembly**



Part #	Mfg #	Model #	Used With:	Price
007104	347100	SA101-38	47, 51, 101	

## Moen Repair Parts

### Handle Adapters



100429

Part #	Mfg #	Description	Price
058893	100429	Handle Adapter Kit	
244987	174329	Handle Adapter Kit	

### Chateau Knob Handle Kit

- 1-Hdl Tub/Shower



Part #	Mfg #	Description	Price
007370	96797	Clear w/ White & Chrome Insert	

### Traditional Handle Kit



Part #	Mfg #	Description	Price
016904	94514	Single-Handle	

### Handle Hub



Part #	Mfg #	Description	Price
244555	114344WR	Wrought Iron	

### Handle Kit



Part #	Mfg #	Description	Price
243526	128866	Chrome	

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### Faucet Cartridges

#### 1255 Duralast™ Cartridge



Part #	Mfg #	Description	Price
140023	1255	Duralast™	

#### 1-Hdl Faucet Cartridge

- Brass
- Hot/cold operation
- Includes:
  - Cartridge
  - Retainer Clips
  - Installation tool
  - Installation instructions

1200



1225

Part #	Mfg #	Description	Price
007169	1200B	For 1200 Faucet, Bulk (12/Pk)	
007173	1225B	For All Moen 1-Hdl Faucets Bulk (12/Pk)	

#### Duralast™ 2-Hdl Faucet Cartridge



Part #	Mfg #	Description	Price
189508	1234	2-Hdl, Duralast™	

#### Duralast™ 2-Hdl Roman Tub Faucet Cartridge

- Hot or cold



Part #	Mfg #	Description	Price
249073	1258	2-Hdl, Hot or Cold	

## Moen Repair Parts

### 2-Hdl Faucet Cartridge

- Brass
- Hot/cold operation



Part #	Mfg #	Description	Price
007172	1224B	For 2-Hdl Moen® Faucets, Bulk (12/Pk)	

### Posi-Temp 1-Hdl Faucet Cartridge

- Brass
- Hot/cold operation



Part #	Mfg #	Description	Price
007171	1222B	For 1-Hdl Posi-Temp Faucets, Bulk (12/Pk)	

### Commercial Heavy-Duty Posi-Temp Cartridge



Part #	Mfg #	Description	Price
226819	1222HD	Brass Shell	

### Commercial 2-Hdl Ceramic Disc Cartridge



Part #	Mfg #	Description	Price
147672	52001	Cold	
147671	52000	Hot	

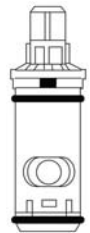
### Cartridge



Part #	Mfg #	Description	Price
209555	4000	Replacement	

### Replacement Cartridge

- For 4999 Roman Tub Valve



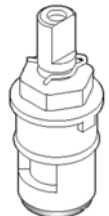
Part #	Mfg #	Description	Price
007174	1248	For 4999 Roman Tub Valve	
103661	116719	Replacement Cartridge	

### Commercial Cartridge



Part #	Mfg #	Description	Price
218673	52100	Metering Cartridge	

### Commercial 2-Hdl Cartridge



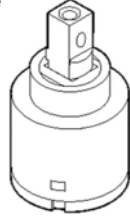
Part #	Mfg #	Description	Price
198775	121550	Hot	
198776	121551	Cold	

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## Moen Repair Parts

### Commercial 1-Hdl Cartridge



Part #	Mfg #	Description	Price
174468	121620	For Model 8701	

### Cartridge Removal Tool

• For 1200, 1225, or 1222 cartridges



Part #	Mfg #	Description	Price
046820	104421	Cartridge Removal Tool	

### Cartridge Removal Tool



Part #	Mfg #	Description	Price
020117	14272	Cartridge Retainer Removal Tool	

### Service Parts

Part #	Mfg #	Description	Price
090524	A1616BN	Kingsley Extension Kit, Br Nickel	
236533	A780	80" Commercial Metal Hose	
239505	123245	Escutcheon & Gasket Kit, Chrome	
096538	104021	Solenoid Repair Kit	
246689	104570	Commercial Service Kit, Chrome	
230761	147208	Cartridge Repair Kit	
230762	147209	Check Stop	
250132	3806SRN	Diverter Spout, Spot Resist Br Nkl	
036804	93980	Handle Mechanism Kit f/7400/7600 Kitchen Faucet	
212816	179104	Handle Adapter Kit	
226712	116711	Flow Restrictor Kit	
243252	116712	Flow Restrictor Kit	
018319	11985	50/50 Drain Assembly	
019922	12689	Pivot Rod & Clip	
237959	124738CSL	Pull-Out Wand, Stainless	
241464	130142	Spline Adapter & Screw Kit	
243432	130143	Extension Kit	
243431	130158	Check Stop	
163701	131381	Hose Kit	

### Service Parts (Continued)

Part #	Mfg #	Description	Price
020119	96365	Retainer Clips	
007353	883	Retainer Clip	
021710	96914	Posi-Temp Retainer Clip	
244557	114343WR	Handle Cap & Screw, Wrought Iron	
113430	140780	Metal Pop-Up Lav Drain, Chrome	
103739	140780BN	Metal Pop-Up Lav Drain, Brushed Nickel	
103122	140780ORB	Metal Pop-Up Lav Drain, Oil Rubbed Bronze	
226575	131553BN	Pop-Up Lav Drain, Brushed Nickel	
021437	96497	Waste Assembly, Chrome	
023012	12314	Plug & Cap	
007200	1920	Valve Cover Plate, Chrome	
131700	1920BN	Valve Cover Plate, Brushed Nickel	
078637	101663BN	Drain Cover, Brushed Nickel	
101250	101663ORB	Drain Cover, Oil Rubbed Bronze	
238566	101663WR	4-1/4" Drain Cover, Wrought Iron	
236868	101664BN	Drain Cover, Brushed Nickel	
202661	102763BN	4" Drain Cover, Brushed Nickel	
035758	1423	Balancing Spool	
201600	52012	Commercial Vacuum Breaker	
244429	52007	Cartridge Nut	
140881	588	Donner Commercial C-Clamp	
007391	97557	Monticello Handle Inserts, Chrome	
007382	97462	Monticello Handle Insert, Chrome	
007362	91751	Knob Insert Kit, Chateau	
044029	96782	Chateau Handle Kit	
007369	96791	Chateau Handle Kit	
007360	91192	Diverter Kit for 1Hdl Kit Fct	
007368	96790	Handle Kit, Chrome	
091499	116653	Handle Adapter Kit	
020189	98039	Handle Kit, Acrylic	
118478	136103C	Kitchen Spray and Hose	
144317	106378	Asceri Stem Extension Kit	
007386	97466	Monticello Handle Knob Insert, Porcelain/Chrome	
019330	97556	Monticello Handle Adapter Kit	
020032	95606	Monticello Handle Hub Kit	
032729	95602	Monticello Handle Hub Kit	
007389	97479	Monticello Stem Extension Kit	
007372	97344	Monticello Stem Extension Kit	
124051	145058	Adapter Kit	
026035	14732	Handle Kit, Chrome	
236993	147556	Extension Kit, Vessel	
103271	100818	Extension Kit	
238428	113173	Mounting Kit	

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## Moen Repair Parts

### Service Parts (Continued)

Part #	Mfg #	Description	Price
097867	114299	Hose Kit	
045742	12318	Check Stop	
196066	94770	Plug Button & Set Screw	
179477	150259	Hose Kit	
114856	A750	Slide Bars	
238174	52711	Slide/Grab Bar Shower Connector, Gray Plastic	
162734	104524	Manual Override Button - Flush Valve	
031502	101099	Handle Connector, Spacer, Screw & Washer for Loop Hd Kitchens	
043598	101310	Chateau Lever Handle Kit	
165290	104401	Multi-Unit AC Power Adapter	
109518	9601	Choiceflo Replacement Filter 9600/9602/9500/9502	
071412	100021	Chateau Handle Cap, Chrome	
071756	100710	Posi-Temp T&S Acrylic Handle	
017776	14699	Retainer Pivot Nut, 1Hdl Kit Fct	
022554	15528	Escutcheon Screws	
007163	10089	Legend & Chateau 1Hd T&S Knob Handle Stop Tube	
031100	96987	Stop Tube, PosiTemp 1-Hdl TS Trim	
089374	100657	Handle Kit, Chrome	
186665	221672	Weymouth Hot & Cold Handle Caps, Chrome	
225625	221672BN	Weymouth Hot & Cold Handle Caps, Brushed Nickel	
017751	13463	Chateau Tub Fct Stem Extension	
007371	96884	Handle Insert Kit	
215829	155655	Screen Filter	
224150	155658	Hardware Kit	
146281	10116	Plug Button Kit, Chrome	
216901	104444	Commercial Supply Line	
247571	114324	Handle Cap Kit, Chrome	
245748	114324W	Hot & Cold Handle Cap Kit, White	
247885	116731	Bearing Washer Kit	
007168	1198	Push Button Diverter	
032769	13462	Handle Adapter Kit	
224151	155651	Hardware Kit	
025797	13769	Chateau Escutcheon, Chrome	
017752	13774	Wall Tube, Chrome	
248620	155656	Extension Kit	
121811	163WR	Escutcheon Screws, Wrought Iron	
105725	128284	Twin Elbow	
216105	131109	Handle Kit, Chrome	
240320	137396BN	Handle Kit, Brushed Nickel	
240286	147556BN	90° Vessel Extension Kit	
249984	176415	Vacuum Breaker for MO8124/8232	

### Service Parts (Continued)

Part #	Mfg #	Description	Price
249405	178755	Remodel Cover Plate for Posi-Temp Valve, Chrome	
212814	179103	Handle Adapter Kit	
249842	179108	Universal Kitchen Spray Kit, Chrome	
185665	AT2099ORB	T/S Accent Kit, Oil Rubbed Bronze	
201230	143530	Diverter Plug	
195900	A714	Vacuum Breaker, Chrome	
121669	96945	Handle Extension Kit	
211430	140710	Cartridge Nut	
221963	130153BN	Handle Escutcheon, Brushed Nickel	
244985	135152	Spacer Kit	
124535	129102BN	Trim Ring, Brushed Nickel	
244548	97577WR	Escutcheon, Wrought Iron	

### Spout O-Ring Kit



Part #	Mfg #	Description	Price
007167	117	Bulk	
215830	155654	O-Ring Kit	
201190	146789	O-Ring Kit	
020120	96778	O-Ring Kit	

\*Lifeshine® Anti-Tarnish Lifetime Finish

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## EL Mustee Repair Parts

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### Shower Stall Parts

Part #	Mfg #	Description	Price
169874	68.600	4" Plastic Shower Valve	
034312	80.451	Cold Index Plug	
007569	82.400	1-1/2" PVC Shower Drain	
007546	65.700	Hose Holder	

**Navien Repair Parts**

**Parts & Accessories**



O-Ring



Packing O-Ring



Pressure Flow Sensor

Part #	Mfg #	Description	Price
149791	2505401A	CPVC Vent Collar	
234582	30000456B	7M Gas 120V/60HZ Circulation Pump	
127478	30000663A	Air Pressure Sensor, NASS9EX00009	
135435	30000669A	Air Pressure Sensor, NASS9EXOS001	
126626	30004802C	Water Flow Sensor, AASS9EXFS003C	
188868	30014451A	Circulation Pump Air Vent	
231214	30014367A	Common Vent Backflow Damper Kit	
172073	30012226A	Igniter NPE	
162623	30010537A	Water Sensor	
136813	BH0914002B	Motorized 2-Way Valve	
126593	BH2507399A	3-Way Valve, A-Type Copper	
136814	BH1201041D	Ignition Transformer with Wire	
126589	BH1205008A	Transformer	
126623	BH1303013A	Inlet Filter	
126630	BH1403081A	Thermostat (Black Wire)	
134822	BH2101273B	Remote Wire	
126587	BH2124012A	Fuse, 125V, 5A	
126599	BH2421008A	O-Ring, Gas Black, 19.8"Dia x 2.4"T	
126653	BH2421997A	Black O-Ring	
126602	BH2423052A	O-Ring, White or Blue, 15.8"Dia x 2.4"T	
126600	BH2423053A	O-Ring, Red, 17.8"Dia x 2.4"T	
126654	BH2423055A	O-Ring, Black, 17.5"Dia x 2.7"T	
126603	BH2423064A	O-Ring, Red Water, 15.8"Dia x 2.7"T	
126597	PH1062017A	Back-Up O-Ring	
126588	BH2501679A	NG Flame Rod	
136815	BH2507507A	Water Pipe Adapter, Black	
127841	BCRA1129	Ready-Link Connection Cable	
245209	GXXX001727	Magnetic Boiler Filter	
136820	NAPU9GLPCT01	NP Series Circulation Pump	
136821	NARC1GSNR007	Remote Control	
126591	NASS9EXGPS01	Gas Pressure Flow Sensor	
126625	NCVM9EX00005	Flow Adjustment Valve	
126595	PAPCT1W0725	058 Pump	
126632	PH1799013A	Pipe Adapter	
241658	30004825A	Motorized 2-Way Valve	
241659	30002491A	Transformer 120V CR/CC	
241661	30003311A	Syphon CR/CC, NR/NP	
241663	30010238A	Air Press Sensor NPE	
245316	30018661A	NPE Parts Kit	
241664	30008834A	Inducer Fan NCB, NPE	

## Navien Repair Parts

### Parts & Accessories (Continued)

Part #	Mfg #	Description	Price
241665	30011534A	Flow Sensor NPE-S	
241667	30011532A	Water Adj Valve NPE-S	
241668	30009756B	Syphon & Hose NPE A/S	
241669	30008366A	Thermistor NPE/NHB	
241670	30015421A	Inducer Fan NPE-150S	
241671	30014183A	Igniter Flame Rod Assembly	
241673	30012241A	Auto Feed Assembly NCB-ALL	
241674	30011586A	Gas Valve NHB All	
241675	30014216A	Syphon & Hose NHB 055/080	
241676	30014024A	Syphon & Hose NHB 110/150	
241677	30014189A	Igniter Flame Rod Assembly	
241678	30012907A	Thermistor NHB	
241680	30013984A	Inducer Fan NHB 055/80	
241681	30013985A	Inducer Fan NHB 150	
223331	30008429A	Gas Valve NPE-A/S, NCB	
227942	30009478A	Exhaust Thermistor NPE	
238359	30008245A	Water Adjustment Valve	
230697	30004819C	3-Way Valve CR/CC, NR/NP	
230698	30002282E	Check Valve CR/CC, NR/NP	
233400	30002475A	Ignition Transformer	
241465	30000466A	Circ Pump CR/CC, NR/NP	
226737	30013685A	Flow Sensor Assembly Dom	
222447	30002493A	Transformer 120V 60 Hz	
233740	30000181A	PCB Control Board CH	
171172	GXXX001322	Residential Neutralizer	
167004	30012950A	Outdoor Sensor & Wire	
188054	20017210A	O-Ring	
167481	30004684A	LP Flame Rod	
171169	PFMZ-02P-01	Smartzone 2-Zone Pump Controller	
186505	GXXX001417	Supply/Return Sensor	
175139	20018013A	O-Ring	
174167	30004680A	NG Flame Rod Kit	
167480	30004834B	Flow Adjustable Valve	
181936	GXXX001324	Neutralization Kit	
165953	30000666A	Gas Pressure Flow Sensor	
165466	30010455A	Ign. Transfer NPE	
184906	30004837B	Mixing Valve	
173551	30010780B	Circulation Pump	
177980	30000182A	Board F/Cr-180	
239003	30008360A	Check Valve NPE	
222617	PBCM-AS-01	Wifi Control	
224573	30009323A	Easy Valve Kit	
183273	30008571A	NPE Flow Sensor	
186308	30014699A	LWCO Water Sensor	
171171	PFMZ-04P-01	Smartzone 4-Zone Pump Controller	

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**Navien Repair Parts**

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**Parts & Accessories (Continued)**

Part #	Mfg #	Description	Price
171170	PFMZ-03P-01	Smartzone 3-Zone Pump Controller	
168655	30009757A	Remote for NPE	
165951	30009875A	Thermistoer	
143846	30011330A	NPE Parts Kit	
176969	PFMZ-06P-001	Smartzone 6-Zone Pump Controller	
223557	30011690D	PCB Control Board NPE All	
224914	30013687A	Siphon	
165833	30012685A	NCB Parts Kit	
223559	30013044A	FP Front Panel F/NHB	
154387	GXXX001178	CH Quik-Install Manifold Kit	
223558	30012262B	PCB Control Board F/NCB	
228187	30011450A	CH Parts Kit	
177075	30014307A	NHB Parts Kit	
163395	UA0900002A	3/4 Plumb Easy LF Valve	
227667	30012768A	Circulation Pump	

## Reznor Repair Parts

### Limit Controls

Part #	Mfg #	Description	Price
008477	45602	(180°F) White Auto Limit Control	
008480	50417	(125°F) White Auto Limit Control	
008481	50418	(145°F) Blue Auto Limit Control	
008497	82091	(160°F) Red Auto Limit Control	
008498	82414	(306°F) ECO Energy Cut-Out Limit Control	
008500	85449	(200°F) Yellow Auto Limit Control	
008524	96512	(220°F) High Temperature Limit Control	
008458	123974	(135°F) Fan Control	
008459	123976	(135°F) Fan Control	
027171	131449	(228°F) ECO Energy Cut-Out Limit Control	
030936	147676	(150°F) Fan Control w/Bracket for XL/CXL/EEXL/CEEXL 30 - 400	
066266	196950	Flame Rollout Manual Reset Limit Switch	
083879	209184	Fan Control Replacement Kit	

### Gas Conversion Kits



Part #	Mfg #	Description	Price
008536	99244	LP Conversion Kit for F/FE-50	
153551	269835	LP Conversion Kit for Model UDAP/UDAS Size 30, 45	
153552	269836	LP Conversion Kit for Model UDAP/UDAS Size 60, 75	
154397	269837	LP Conversion Kit for Model UDAP/UDAS Size 100, 125	
153554	269838	LP Conversion Kit for Model UDAP/UDAS Size 150, 175	
153553	269839	LP Conversion Kit for Model UDAP/UDAS Size 200, 250	
066004	201732	LP Conversion Kit for Model UDAP/UDAS Size 300, 400	
073497	205515	LP Conversion Kit	
073498	205516	LP Conversion Kit	
127038	257472	Ignition Conversion Kit (Replaces 97782)	
127637	257473	LP Conversion Kit, Old #G77	

### Gas Valves

Part #	Mfg #	Description	Price
008518	96300	1/2" Natural Gas Valve (W/R #36C03-211) Replacement	
008519	96307	1/2" Natural Gas Valve Replacement	
022074	121599	1/2" Single Stage Valve (VR8304M2816)	
027313	147830	1/2" Single Stage Natural Gas Valve (VR8205M1130)	
082010	204301	1/2" Single Stage Natural Gas Valve (VR8205M2955)	
091161	208920	1/2" Single Stage Natural Gas Valve w/Standing Pilot (VR8200M7005)	

**Reznor Repair Parts**

**Motors**

Part #	Mfg #	Description	Price
008476	45331	1/40 hp Motor	
027821	102380	1/8 hp Motor	
008485	61069	1/20 hp Motor	
008508	95547	1/20 hp Motor for Model F 130 & 200	
008509	95548	1/30 hp Motor	
008502	88781	1/6 hp Motor	
066238	196241	Fan Motor for UDAP 45 - 60	
066252	196242	Fan Motor for UDAP 75	
066267	196243	Fan Motor for UDAP 100	
066314	196247	115V Fan Motor for UDAP and UDAS 300 - 400	
008507	95546	Fan Motor	
008515	96287	Fan Motor	
008516	96288	1/15 hp Fan Motor	
102121	147571	Fan Motor	
008514	96018	Venter Motor Assembly	
027692	97727	Venter Motor and Wheel Assembly	
100298	131410	115V Venter Motor with Capacitor	
170634	214067	115V Venter Motor less Capacitor	
033127	148055	115V Venter Blower Motor	
066281	196036	115V Venter Motor for UDAP and UDAS 150 - 175	
109924	214066	115V Venter Motor for VR 175/200 with Capacitor	
144784	217032	120V, 60Hz Venter Motor for UDAP (Replaces 175273)	
139008	260422	115V Venter Motor	

**Pilots & Components**

Part #	Mfg #	Description	Price
008486	61145	Natural Gas Pilot Assy w/ Orifice, High Tension Lead & Flame Probe; less Pilot Tubing & Flame Sensor	
008523	96360	Natural Gas Pilot Assembly with Orifice, Pilot Tubing, & Thermocouple; (for All F Models)	
020439	110853	Natural Gas Spark Pilot Assembly	
066224	175272	DSI Electrode Assembly	

**Pressure Switches**

Part #	Mfg #	Description	Price
066242	196388	High Altitude Pressure Switch for UDAP-CV, UDAS 100	
062419	196653	Pressure Switch	
091540	205442	0.20"wc Low Speed White Label Pressure Switch	
091216	205443	Low Speed Yellow Label Pressure Switch	
066288	201158	1.10"wc Pressure Switch	

**Transformers**

Part #	Mfg #	Description	Price
008461	131988	120/24V Transformer	
008462	132204	120/24V, 20VA Transformer	

**Reznor Repair Parts**

**Transformers (Continued)**

Part #	Mfg #	Description	Price
091211	175265	115V, 30VA Control Transformer	
066225	194808	Transformer, 40VA	

**Vent Caps**



Part #	Mfg #	Description	Price
067827	111849	5" Vent Cap for UDAP 150 - 250	

**Parts**

Part #	Mfg #	Description	Price
022890	43425	Inducer Blower Wheel (AD326-215-101-2)	
008527	97534	Natural Gas Pilot Assembly	
020436	97535	LP Pilot Assembly with Flame Sensor	
020437	97572	Compression Nut	
020449	97724	Venter Wheel FE130-400	
021456	97725	Venter Wheel FE25-100	
021538	18549	RBM Relay All FE Models	
008534	98697	Flame Rod	
021502	116019	37-1/8" Tubular Section for TR & TR-H Models	
060039	116045	Burner On Light	
091538	120545	Venter Wheel	
020765	121275	Block Vent Switch	
026634	132007	Venter Wheel	
061819	135979	Venter Wheel	
027310	147165	Flame Sensor	
027317	148085	18" Ignition Cable	
066231	195036	Venter Wheel Assembly	
090713	195046	Compression Spring for Louvers	
066222	195265	Control Board	
066223	195292	Flame Sensor	
066237	196949	Flame Rollout	
084139	197205	High Altitude Conversion Kit	
067749	201685	3 amp Fuse	
086607	204611	DSI Electrode Assembly for Model VR	
073531	204955	DSI Ignition Control	
123105	257531	UDAP Circuit Board	
133894	259521	Time Delay Relay Kit	
139262	262971	Time Delay Relay Kit	
036781	CC2	Vertical Vent Terminal/Combustion Air Inlet Assembly through Roof for UEAS Model	



## Ruud Water Heater Repair Parts

### Water Heater Parts & Accessories

Part #	Mfg #	Description	Price
109636	RTG-20040	Ez-Link Cable Connects (2) Tankless Gas Water Heaters to Operate As One Unit	
074314	AP12938	42" Aluminum Anode Rod	
063009	SP11309C	44" Resistor Magnesium Anode Rod	
091619	SP8371B	52" Anode Rod w/Resistor Flex	
164493	SP11526C	Anode Rod - 0.900" x 44-3/8"	
063007	SP11248R	Dip Tube	
113598	SP6830	Adapt-O-Flange	
216119	SP20260K	GHE Display & Control Board	
219461	SP20364	Advantage Plus Service Kit - 160,000 BTU/HR	
213463	SP20365	Advantage Plus Service Kit - 199,000 BTU/HR	
165325	SP20717	GHE Flame Sensor	
190943	AP13044	21"x21"x16" Water Heater Stand	
190942	AP67089	Gasket - Element	
096635	SP20003	Nipples - Heat Trap	

### Blower Assembly

Part #	Mfg #	Description	Price
100247	AP13416	Blower Assembly for 40/50 gal PowerVent Units	
133976	SP13605	Blower Assembly for 40/50 gal PowerVent Units	
137367	AP151091	Blower Assembly for 40/50 gal Tall PowerVent Units	

### Control

Part #	Mfg #	Description	Price
159000	SP20231	Gas Control (Thermostat) - NG	
164454	SP20233	Gas Control(Thermostat) - LP	
113853	SP20161A	Natural Gas Wiper Control & Gas Valve Assembly for PowerVent 2	
113854	SP20162A	LP Gas Wiper Control & Gas Valve Assembly for PowerVent 2	
120504	SP20170A	Natural Gas FV Wiper Control & Gas Valve Assembly	
120505	SP20170B	Natural Gas FV Wiper Control & Gas Valve Assembly	
101157	SP20123B	FV Wiper Electronics	

### OEM Screw-In Elements - 1-1/2" Copper

- Specifically designed for Marathon and Eclipse Water Heaters
- Includes gasket
- Low Watt Density



Part #	Mfg #	Description	Price
116994	SP10698MH	240V/4500W, 12.33" Length	
095422	SP610160	240V/4500W, 13.38" Length	

### OEM Screw-In Elements - 1-1/2" Titanium

- Specifically designed for Marathon and Eclipse Water Heaters
- Includes gasket
- Low Watt Density



Part #	Mfg #	Description	Price
141163	SP213790	240V/4500W, 14" Length	
132919	SP213670	240V/4500W, 16.5" Length	

### OEM Screw-In Elements - 1" Stainless Steel



Part #	Mfg #	Description	Price
063478	SP10867JL	208V/3000W, 12.38" Length	

### Electric Water Heater Tune-Up Kit

- Includes:
  - (2) Screw-in elements (AP10552MH-4)
  - Electric thermostat (AP11695-4)
  - Electric thermostat (AP11698-5)
  - (2) Element gaskets (AP6708-9)
  - Tune-up kit back card (PD991176)
  - Tune-up kit blister (PD991231)
  - Front card (PD991234)
- For use with PD137981 and SP13266



Part #	Mfg #	Description	Price
140554	SP20060	240V/4500W	





## Ruud Water Heater Repair Parts

### Electric Water Heater Elements Copper - R-Tech

- Screw-in elements - 1 Inch  
-Fits most water heaters with 1" NPSM threads
- R-Tech - Features a patented restored design that increased the life of both the element and water heater tank
- Watt Density Guide - lower watt density means the element stays cooler and will last longer  
-LWD: low watt density (100 watts/in<sup>2</sup> or less)  
-MWD: medium watt density (101-150 watts/in<sup>2</sup>)  
-HWD: high watt density (over 150 watts/in<sup>2</sup>)



Part #	Mfg #	Description	Price
126122	SP10552JH	240V/3000W, 10-5/8" HWD	
063001	SP10552KL	240V/3500W, 13-3/8" LWD	
078390	SP10552ML	240V/4500W, 13-3/4" LWD	
063002	SP10552MH	240V/4500W, 13-5/8" HWD	
063000	SP10552PH	240V/5500W, 13-1/2" HWD	
076289	SP10552QH	240V/6000W, 11-3/4" HWD	
062998	SP10874FH	120V/1500W, 7-11/16" HWD	
062997	SP10874GH	120V/2000W, 7-11/16" HWD	
062996	SP10874HH	120V/2500W, 9-7/16" HWD	

### Electric Water Heater Elements Stainless Steel - R-Tech

- Screw-in elements - 1 Inch  
-Fits most water heaters with 1" NPSM threads
- R-Tech - Features a patented restored design that increased the life of both the element and water heater tank
- Watt Density Guide - lower watt density means the element stays cooler and will last longer  
-LWD: low watt density (100 watts/in<sup>2</sup> or less)  
-MWD: medium watt density (101-150 watts/in<sup>2</sup>)  
-HWD: high watt density (over 150 watts/in<sup>2</sup>)



Part #	Mfg #	Description	Price
063479	SP10867LL	208V/4000W, 10.08", LWD	
063481	SP10867NL	208V/5000W, 19.25", LWD	
063486	SP10869ML	240V/4500W, 15-1/2" LWD	
190941	SP10869KL	240V/3500W, 13-1/2" LWD	
073434	SP10869MM	240V/4500W, 13-1/2" MWD	
063480	SP10867ML	208V/4500W, 17.58" LWD	
063482	SP10867QL	208V/6000W, 19-1/4" LWD	
073434	SP10869MM	240V/4500W, 13-1/2" LWD	
063488	SP10869QL	240V/6000W, 19-1/8" LWD	
063494	SP10870NL	480V/5000W 19.28", LWD	
063493	SP10870ML	480V/4500W 17.63" LWD	
063495	SP10870QL	480V/6000W 19.21" LWD	

### Heating Element Wrench

- Allows use of screwdriver for additional leverage



Part #	Mfg #	Description	Price
063006	SP35871AB	Fits 1-1/2" Hex	
169225	PT49057	Fits 1-1/2" & 1-7/8" Hex	

### Igniter

Part #	Mfg #	Description	Price
063860	SP10972	Hot Surface Igniter	
108321	SP12143	Igniter for Advantage Plus Comm Water Heaters	
064395	SP12560B	Spark Igniter & Pilot Assembly (LP) for PowerVent 2	
064396	SP12560C	Spark Igniter & Pilot Assembly (LP) for PowerVent 2	
064393	SP12562	High Performance Blower Assembly for PowerVent 2	
100162	SP13447B	Flammable Vapor Sensor/FV Wiper Replacement Kit	
129324	SP14218A	Igniter for PowerVent Units	
109619	SP14218B	Igniter for PowerVent Units	
146883	SP20307	Piezo Igniter	

### Pilot Assembly

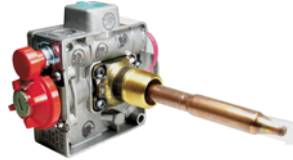
Part #	Mfg #	Description	Price
104045	SP13418	Pilot Assembly - Natural Gas	
117788	SP13422	Pilot Assembly - Natural Gas	
177859	SP13884A	Pilot Tube Assembly Kit	
190075	SP13884H	Pilot Assembly Kit - NG 12"	
170382	SP20305A	Pilot Assembly - Natural Gas	

### Switch

Part #	Mfg #	Description	Price
128923	AP12767	On/Off Switch	
063577	SP11875	Vacuum Switch	
065175	SP12766	Pressure Switch for PowerVent 2	
101155	SP20116	Vacuum Switch for PowerVent	
140234	SP20312	Pressure Switch for PowerVent	

## Ruud Water Heater Repair Parts

### Thermostat



Part #	Mfg #	Description	Price
131662	SP20164	Gas Control Thermostat, Natural Gas for Use with 2LAC9	

### Gas Control (Thermostat) - LP



Part #	Mfg #	Description	Price
156423	SP20304B	LP Gas Control	

### Gas Control Assembly

- Rheem/Ruud replacement gas control thermostat
- For PowerVent Models only



Part #	Mfg #	Description	Price
159000	SP20231	6"x6"x4" Replacement Gas Control for PowerVent Models	

### Gas Control (Thermostat) - NG



Part #	Mfg #	Description	Price
180874	AP14270C	Natural Gas Control	

### 2-Pole High Limit - Normally closed Thermostat Contacts (TOD)

- Upper Thermostat in residential electric water heaters
- With Simultaneous design:  
-Both elements are on at the same time



Part #	Mfg #	Description	Price
063011	SP11699	240V Single Element Thermostat	

### 2-Pole High Limit - Normally Open & Normally Closed Thermostat Contacts (TOD)

- Upper thermostat for residential electric water heaters
- Non-Simultaneous element operation
- 59T/66T Series



Part #	Mfg #	Description	Price
063013	SP11698	Upper Thermostat, 90° to 150° Adjustment Range	
135205	SP210245	Upper Thermostat, 80° to 140° Adjustment Range	

### 1-Pole High Limit - Normally Closed Thermostat Contacts (TOD)

- Commonly used for 120V residential water heaters with only one element
- 59T/66T Series



Part #	Mfg #	Description	Price
063004	SP11700	Upper Thermostat, 90° to 150° Adjustment Range	

### Electric Thermostats w/o High Limit Control (TOD)

- Used as the lower Thermostat in residential electric water heaters
- 59T Series

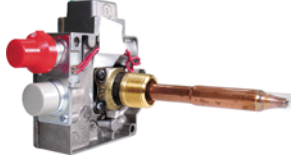


Part #	Mfg #	Description	Price
063012	SP11695	Lower Thermostat, 90° to 150° Adjustment Range	
141066	SP210239	Lower Thermostat, 90° to 150° Adjustment Range	
111142	SP310020	Lower Thermostat, 110° to 170° Adjustment Range	



## Ruud Water Heater Repair Parts

### Robertshaw Thermostat



Part #	Mfg #	Description	Price
063016	SP12258B	LP Gas, 57° - 160° Control Valve with LH Main Burner	

### Thermostat Shank



Part #	Mfg #	Description	Price
147598	AP14696A	Thermostat Shank - 1.926	
139027	AP14696B	Thermostat Shank - 2.870 PV	

### Thermocouple



Part #	Mfg #	Description	Price
063005	SP6379R	24" Thermocouple	

### Valve

Part #	Mfg #	Description	Price
076815	AP12575B-1	3/4" T&P Valve for FVIR Long Shaft	
063423	SP11652B	Natural Gas Valve	
109615	SP13845A	Natural Gas Intelli-Vent Valve for PowerVent Units	
109616	SP13845B	Natural Gas Intelli-Vent Valve for PowerVent Units	
109617	SP13846A	LP Gas Intelli-Vent Valve for PowerVent Units	
109618	SP13846B	LP Gas Intelli-Vent Valve for PowerVent Units	
127436	SP20167C	LP Gas Valve and Thermostat	
129691	SP623336	Vacuum Relief Valve Assembly for Marathon Water Heaters	
133902	SP20171A	Gas Control Thermostat Kit	
159270	SP20303A	Nat Gas Control Thermostat Kit	

### Vent Damper

Part #	Mfg #	Description	Price
108929	AP13142	Vent Hood Damper Assembly	

### Warranty Upgrade

Part #	Mfg #	Description	Price
078740	SP20079	Protection Plus 4-Year Kit	

### Flammable Vapor Ignition Resistant (FVIR) Parts

#### Robertshaw Part



SP20064

Part #	Mfg #	Description	Price
073470	SP20065	Pilot Assembly - Natural Gas	
082616	SP20075	Pilot Assembly - Natural Gas	
097155	SP20055	Piezo & Pilot Assembly Kit	

#### White-Rodgers Part

Part #	Mfg #	Description	Price
109602	SP14270G	Gas Valve - Natural Gas	
109603	SP14270H	Gas Valve - Natural Gas	
109607	SP14269A	Gas Valve - LP Gas	
109609	SP14269E	Gas Valve - LP Gas	
109611	SP20127	Pilot Assembly Kit - Natural Gas	
109612	SP20128	Pilot Assembly Kit - LP Gas	

#### Common Service Part

Part #	Mfg #	Description	Price
073471	SP20064	Thermocouple Kit	
082082	SP12112G	Electric Drain Valve	
073962	SP12112S	Brass Drain Valve	
082825	SP8346	Watts 100XL, 3/4", 150 psi, 100,000 BTU Temperature & Pressure Relief Valve	
073469	SP20063	Gasket Kit	



## Ruud Water Heater Repair Parts

### Commercial Water Heater Parts

Part #	Mfg #	Description	Price
069329	AP12231B-1	3/4" NPT Brass Drain Valve	
144116	AP9013D	130 to 199K Temperature and Pressure Relief Valve	
144117	AP9012B	250 to 400K Temperature and Pressure Relief Valve	
065179	SP10963D	Natural Gas Valve	
073418	AP12015-1	Thermostat and High Limit	
082771	AP12841	3-Pole Contractor	
144111	AP14074-3	Temperature Sensor	
144120	AP14157-3	GHE Blower Control Harness	
145841	AP14159-5	GHE Gas Valve Harness	
144112	AP14280-1	Exhaust Temperature Flue Sensor	
209545	AP14720	FV Sensor Harness	
144118	AP14758	Display Jumper Harness	
144128	AP14859	Diffuser Nipple	
144124	AP15261	Ground Wire Harness	
143193	RTG20224A	Commercial Upgrade Chip for RTGH-95DVN Natural Gas	
075285	SP12142	ECO/Temperature Probe	
073486	SP12144	Flame Rectification Probe	
073495	SP12189	Combustion Blower	
148468	SP15138	Burner Mounting Flange Gasket	
073485	SP12140	Pressure Switch	
065181	SP10764B	Pilot Assembly for Natural Gas Units	
065180	SP11798B	High Limit Thermostat	
065178	SP12234B	Commercial Light Duty Gas Thermostat	
063119	SP5886	Hand Hole Gasket	
084096	SP8293	Therm-O-Disc Upper Thermostat	
073160	SP8295	Therm-O-Disc Lower Thermostat	
065182	SP10763C	Ignition Control	
093329	SP8828D	Ignition Cable	
131606	RTG20210	Horizontal Vent Termination Kit	

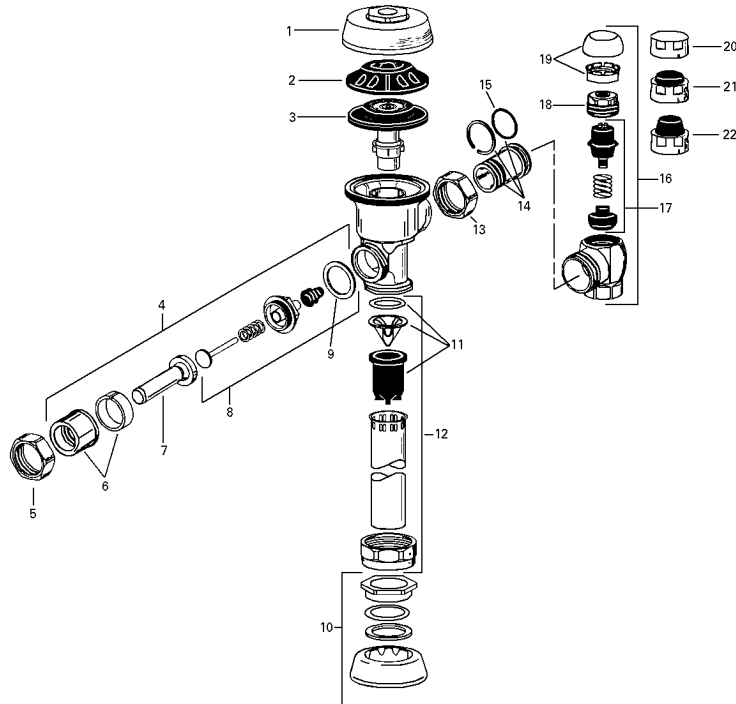
## Schwank Repair Parts

### Tube Heater Parts

Part #	Mfg #	Description	Price
129015	JA-0528-XX	4" Horizontal Flue Vent Terminal	
130962	JA-0568-XX	24VAC DSI Control	
134135	JA-0571-KT	DSI Tube Heater Igniter & Gasket	
129442	JA-0775-XX	120/24V, 20VA Transformer	
129441	JL-0703-AA	LP Gas Valve	
147558	JL-0771-XX	1/2" x 24" SS Flexible Gas Connector	
147560	JL-0771-YY	3/4" x 36" SS Flexible Gas Connector	
129016	JL-0772-XX	Dual Scale Line Voltage Thermostat	
129010	JL-0798-SH	1-7/8" 'S' Hook - 25/Pk	
136512	JL-0800-SH	2" Safety Snap Hook - 24/Pk	
129009	JL-0798-JC	50' Box of #8 Jack Chain	
136510	JL-0800-XX	200' Roll of #2 Lion Chain	
130761	JM-0303-KT	24V Transformer/Relay Kit	
129018	JS-0508-SM	90° Aluminum Steel Elbow Kit	
129962	JS-0532-SE	4" Fresh Air Intake Adapter	
129012	JS-0532-VC	4" Outside Air Intake Wall Vent Hood with Birdscreen	
129452	JS-0568-KT	24V Thermostat Control Relay Kit	
129447	JS-0576-AA	Air Proving Switch - .85" WC	
129444	JS-0576-XX	Air Proving Switch - .48" WC	
129445	JS-0576-YY	Air Proving Switch - .30" WC	
129450	JS-0577-SS	Blocked Flue Switch - .58" WC	
129448	JS-0577-ZZ	Blocked Flue Switch - 1.41" WC	
129449	JS-0577-YY	Blocked Flue Switch - .90" WC	
134136	JS-0518-XX	24" High Voltage Ignition Cable	

**Sloan Repair Parts**

**Manual Flushometer Parts  
Royal Flushometer Parts**



Part #	Mfg #	Model	Ref	Description	Price
083761	3301503	A-1042-A		Repair Kit Royal 1.0 gpf Dual Filter Diaphragm Kit	
036284	3301070	A-1101-A	3-5	Rebuild Kit 1.6 gpf - Closet Exposed	
036283	3301071	A-1102-A	3-6	Rebuild Kit 3.5 gpf - Closet Exposed	
036282	3301074	A-1107-A	3-9	Rebuild Kit 1.0 gpf - Urinal Exposed	
036291	3301075	A-1108-A	3-10	Rebuild Kit 1.5 gpf - Urinal Exposed	
010092	5301188	A-156-A	5	Diaphragm	
010097	5301139	A-31	9	Handle Gasket	
021329	0301082	A-6	5	Handle Coupling, CP	
010107	0301168	A-71	2	Inside Cover	
010108	0301172	A-72	1	Outside Cover, CP	
010112	5302279	B-32-A	4-2	Handle Assembly	
036285	3302306	B-51-A	8	Handle Repair Kit	
010119	0302390	B-73-A	4-1	Handle Assembly	
010137	0306146	F-5-AT	10-3	1-1/2" Spud Coupling, CP	
010138	0306140	F-5-AU	10-2	1-1/4" Spud Coupling, CP	
010136	0306125	F-5-AW	10-1	3/4" Spud Coupling, CP	
020801	3308790	H-1009-A	19-2	3/4" Vandal Resistant Stop Cap For H-700-A	
010148	3308853	H-541-ASD	17-1	1" Screwdriver Stop Repair Kit	
010149	3308856	H-543-ASD	17-2	3/4" Screwdriver Stop Repair Kit	
010150	0308801	H-551-A	14	2-1/16" Tail Assembly, CP	
010152	5308696	H-553	15	O-Ring	
010154	0308848	H-582	20-2	3/4" Cap, CP	
028922	3308386	H-700-A	16-2	1" Adjustable Screwdriver Stop w/Vandal Resistant Cap #19-2	

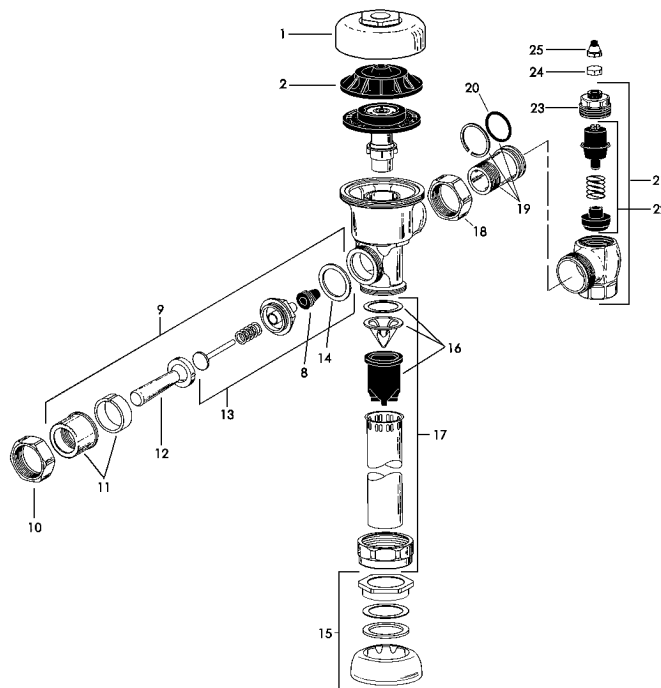
**Sloan Repair Parts**

**Manual Flushometer Parts (Continued)**

**Royal Flushometer Parts**

Part #	Mfg #	Model	Ref	Description	Price
036290	3393004	V-600-AA	12-1	3/4" x 9" Vacuum Breaker, CP	
036288	3393006	V-600-AA	12-1	1-1/4" x 9" Vacuum Breaker, CP	
036287	3393007	V-600-AA	12-3	1-1/2" x 9" Vacuum Breaker, CP	
036286	3323182	V-651-A	11	Vacuum Breaker Repair Kit	

**Regal Flushometer Parts**



**7. INSIDE PARTS KITS**

<b>A-36-A</b> 3301036 4.5 gpf/17.0 Lpf CLOSET	<b>A-37-A</b> 3301037 1.5 gpf/5.7 Lpf URINAL	<b>A-38-A</b> 3301038 3.5 gpf/13.2 Lpf CLOSET	<b>A-41-A</b> 3301041 1.5 gpf/6.0 Lpf CLOSET	<b>A-42-A</b> 3301044 1.0 gpf/3.8 Lpf URINAL	<b>A-43-A</b> 3301091 0.5 gpf/1.9 Lpf URINAL	<b>A-44-A</b> 3301024 2.4 gpf/9.0 Lpf CLOSET

Part #	Mfg #	Model	Ref	Description	Price
010091	5301111	A-15-A	4	Molded Disc	
010093	5301189	A-156-AA	4,5,8,14	Diaphragm Repair	
010094	5301236	A-163-A	6A	Guide Assembly for 4.5 gpf Closet & 1.5 gpf Urinal	
010095	5301058	A-19-AC	3A	Relief Valve Closet	



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**Sloan Repair Parts**


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**Manual Flushometer Parts (Continued)**  
**Regal Flushometer Parts**

Part #	Mfg #	Model	Ref	Description	Price
010096	5301059	A-19-AU	3B	Relief Valve Urinal	
010098	3301036	A-36-A	7A	4.5 gpf Closet Repair Kit	
010099	3301037	A-37-A	7B	1.5 gpf Urinal Repair Kit	
010100	3301038	A-38-A	7C	3.5 gpf Water Saver Repair Kit	
010101	3301041	A-41-A	7D	1.6 gpf Closet Repair Kit LC	
010102	3301044	A-42-A	7E	1.0 gpf Urinal Kit LC	
010113	5302297	B-39	8	Seal	
010115	5302305	B-50-A	13	Handle Repair Kit	
010141	5308156	H-37	24	Cap CP	
010176	5323005	V-500-AA	17-1	3/4" x 9" Vacuum Breaker CP	
010182	5323006	V-500-AA	17-2	1-1/4" x 9" Vacuum Breaker CP	
010178	5323007	V-500-AA	17-3	1-1/2" x 9" Vacuum Breaker CP	

**Piston Operated Flushometers**
**GEM 2® Piston Operated Flushometers**

- Fixed volume piston with filtered O-ring by-pass
- ADA Compliant metal oscillating handle
- Vandal-resistant stop cap
- Adjustable tailpiece
- Vacuum breaker flush connection
- High copper, low zinc brass castings for dezincification resistance
- Non-hold-open handle and no external volume adjustment to ensure water conservation
- Handle packing, stop seat and vacuum breaker molded from PERMEX™ rubber compound for chloramine resistance

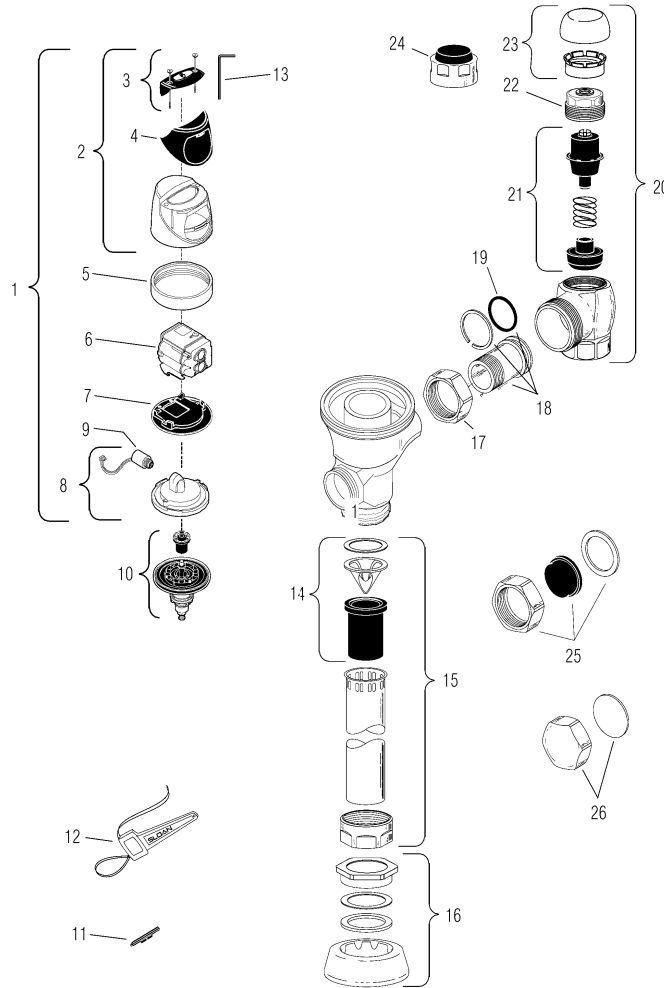

**GEM 2 Repair Kit**

Part #	Mfg #	Model	Description	Price
112656	5307074	G-50-A	Handle Repair Kit, 6/Pk	



**Sloan Repair Parts**

**Sensor Operated Flushometer Parts**  
**OptimaPlus® Flushometer Parts**



Part #	Mfg #	Model	Ref	Description	Price
057970	3301500	EAF-12		Diaphragm Only Kit	
066898	3325001	EBV-1020-A	10	1.6 Flex Tube Diaphragm Inside Part Kit	
066899	3325000	EBV-1022-A	10	OptimaPlus Repair Kit, 1.0, 1.5 Urinal	
093722	3325450	EBV-129-A-C	6	G2 Electronic Module - Water Closet	
084024	3325451	EBV-129-A-U	6	G2 Electronic Module - Urinal	
100551	0325172	EBV-130-A	3	G2 Override Button Assembly	
080085	3325453	EBV-136-A	9	Isolated Solenoid	
130178	0325160	EBV-138-A	1	G2 Cover/Ring/Sensor Assembly - Water Closet	
085884	3325462	EBV-144-A	9	Isolated Solenoid Operator	
071385	0325176	EBV-146-A-C		G2 Electronic Module Optima 1.6 - Closet	
071242	0325177	EBV-146-A-U		G2 Sensor Module Urinal	
028637	5325813	EBV-18		Quad Ring	
022200	3325013	EBV-60-A		Metal Cover Assembly with Override Button - Water Closet	

**Sloan Repair Parts**

**Sensor Operated Flushometer Parts (Continued)**  
**OptimaPlus® Flushometer Parts**

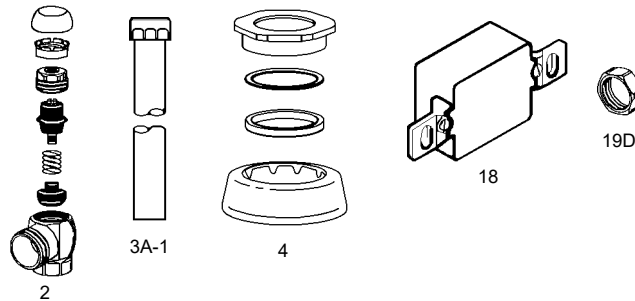
Part #	Mfg #	Model	Ref	Description	Price
057264	0305118	EL-165-2		Solenoid Coil, 24VAC	
049083	0305165	EL-163-A		Sloan Solenoid Assembly	
010216	3308855	H-541-AA	21	1" Screwdriver Angle Stop Repair Kit	

**Flush Valve Transformer**



Part #	Mfg #	Model	Description	Price
010126	0345154	EL-154	120VAC/24VAC, 50/60Hz (50VA), Box-Mount	

**Optima® Flushometer Parts**  
**110/111/115/116/140/152/153 ES-S**



Part #	Mfg #	Model	Ref	Description	Price
010125	3305621	EL-1500-L	18	Sensor Repair Kit - Closet	

**Optima® Systems Solenoid/Sensor Parts and Assemblies List**

Part #	Mfg #	Model	Description	Price
010123	0337086	DO-22	O-Ring	

**Showerheads**

**Act-O-Matic**



Part #	Mfg #	Model	Description	Price
010088	4020100	AC-11	2.5 gpm Std Self-Cleaning Showerhead, CP	

**Sloan Repair Parts**

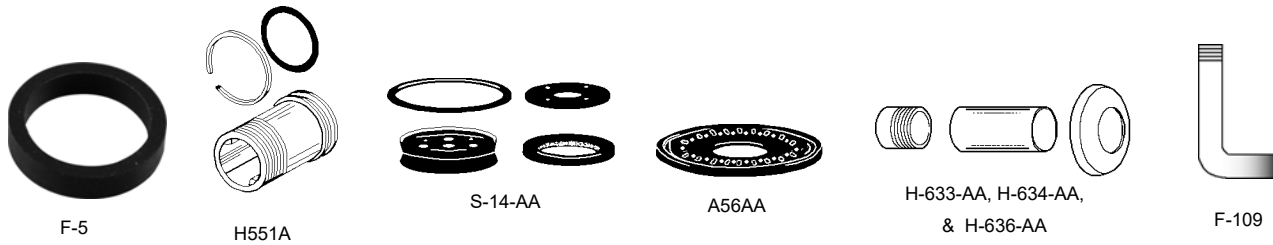
**Needle Spray Showerhead Repair Kit**

- Kit includes:
  - Gasket
  - Spacer
  - Ball joint coupling
  - Flow control assembly



Part #	Mfg #	Model	Description	GPF	Spud	Price
245242	4328466	SH-1002-A	Needle Spray Showerhead Assembly			

**Replacement Parts and Accessories**



Part #	Mfg #	Model	Description	Price
023238	3301077	A-1008-A	3/4" Spud Coupling Kit	
029505	3301079	A-1010-A	1-1/2" Spud Coupling Kit	
057971	3301501	A-1038-A	Closet Repair Kit	
032380	0301104	A-175-A	Low Pressure Guide Repair Kit (P-600-EGL)	
045723	0301178	A-19-ALCM	Closet Relief Valve, Brass LC	
010103	0301255	A-50	Super Wrench	
010104	5301170	A-56-A	Segment Diaphragm w/A-29 Copper Gasket	
010105	5301176	A-56-AA	Diaphragm Repair	
010122	3303398	C-70-A	Push Button For Concealed Royal & Crown - Contains #7-11	
032633	3305043	EL-128-A	Actuator Cartridge	
019381	3305620	EL-1500	Urinal Sensor Repair Kit	
103862	3365092	ETF-1023-A	Repair Kit .5gpm Male LF CP	
028928	0396322	F-109	1-1/2" x 21" x 5" Tubular Bend, CP	
010134	5306055	F-3	3/4" Red Friction Ring	
010133	5306058	F-3	1-1/2" Red Friction Ring	
010135	5306113	F-5	3/4" Slip Joint Gasket	
020802	3308772	H-1010-A	1" Vandal Resistant Stop Cap	
010143	3308277	H-47-AA	Stop Repair Kit	
010146	3308780	H-533-AS	Sweat Solder Kit For 1" Supply Closet & Urinal	
010147	3308786	H-536-A	3/4" Sweat Adapter Kit	
010151	0308803	H-551-A	3-1/16" Long Adjustable Tailpiece, CP	
034119	0308805	H-551-A	4-1/16" Long Adjustable Tailpiece, CP	
016687	5308850	H-584	Screwdriver Control Stop Seat Only For 1" H-540, H-600 & H-700 Series Stop	
043117	3308782	H-633-AA	Sweat Solder Kit 1" w/Cast Set Screw Flange (YBYC)	
111258	3308785	H-634-AA	Sweat Solder Kit 1", CP	
084384	3308788	H-636-AA	Sweat Solder Kit 3/4" w/Cast Set Screw Flange (YBYC)	
010186	3323192	V-551-A	Vacuum Repair Kit	
010159	0310083	J-212-A	1-1/2" Solid Ring Pipe Support - 5 C/E Complete, CP	

**Sloan Repair Parts**

**Replacement Parts and Accessories (Continued)**

Part #	Mfg #	Model	Description	Price
010170	5319086	S-30	1-1/2" Gasket	
010175	3322079	V-101-A	Vacuum Breaker Repair Kit	
010174	5322001	VBF-5	1-1/2" Gasket	

**Vacuum Breaker**



Part #	Mfg #	Model	Description	Price
010179	0323014	V-500-AA	1-1/2" x 13-1/2", CP	
010180	0323015	V-500-AA	1-1/2" x 21-1/2", CP	
010181	0323016	V-500-AA	1-1/2" x 24-1/2"	
010183	0323020	V-500-AA	1-1/4" x 21-1/2"	
021735	0323057	V-500-AA	1-1/2" x 32-1/2"	
010184	0323210	V-500-AA	3/4" x 15", CP	
010185	5323010	V-500-A	1-1/2" x 11-1/2", RB (140 ES-S & 152 ES-S)	

**Sloan Repair Parts**

**FLUSHMATE® Replacement Parts**



BU100505-K



C-100500-K

Part #	Mfg #	Description	Price
080376	B-108288	Duckbill Valve (Air Inducer) Allows Air Into Tank but Not Out	
046465	BL100504-3-K	Lower Supply Kit for 503 & 504 Series	
046464	BU100505-K	Upper Supply Kit for Flushmate Pressurized Tank	
010120	C-100500-K	Flush Cartridge for All Flushmate Series	
120907	M-101526-F31	Pressure-Assist Flush 1.6 gpf System for 503 Series Tanks Except Kohler K4404	
046467	RK100100	Replacement Supply System for All Series Except 503 & 504	

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**Speakman Repair Parts**

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**Speakman® Parts**

Part #	Mfg #	Description	Price
068748	RPG05-0520	Vacuum Breaker Hub Repair Kit	
164331	RPG05-0532CA	Hot side ceramic cartridge	

## T & S Brass Repair Parts

### Handles



- Chrome-plated zinc handle
- B-WH models come with screw, all others, screw is sold separately

Part #	Mfg #	Description	Price
010415	001636-45	Lever Handle Cold Index	
010416	001637-45	Lever Handle Hot Index	

### Bonnet Assembly



Part #	Mfg #	Description	Price
030182	002856-40	B502 Bonnet Assembly	

### Swing Nozzles



Part #	Mfg #	Description	Price
044168	062X	12" Swing Nozzle	

### Spindle



002711-40



002712-40

Part #	Mfg #	Description	Price
010419	002711-40	Cold Spindle 174A	
010420	002712-40	Hot Spindle 175A	
028123	002713-40	Eterna LH Spindle Assembly	
028124	002714-40	Eterna RH Spindle Assembly	
085560	005960-40	Eterna Spindle Assembly, Hot	
110659	005959-40	Eterna Spindle Assembly, Cold	

### Repair Kits



B-9K

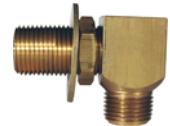


B-10K

Part #	Mfg #	Description	Price
061402	B-9K	Lever Handle Kit	
010405	B-10K	Repair Kit for B-0107	
046499	B-21K	Eterna Cartridge Replacement	
107843	B-39K	Brass Rotary Waste Valve Parts Kit	
130038	B-0969-RK01	Vacuum Breaker Repair Kit	
010409	001121-45	Spray Face #1	

### Supply Nipple

- Brass



Part #	Mfg #	Description	Price
110214	B-0230-K	Angle Supply Nipple	

### Waste Valve with Drain Adapter - Twist



Part #	Mfg #	Description	Price
107844	B-3940	3.0" Sink Opening, 1.5" or 2.0" Drain Outlet	
119775	B-3950	3-1/2" x 2" & 1-1/2" Adapter	

### T&S Brass Parts

#### Flexible Stainless Steel Hose

- Heat resistant gray handle
- Polyurethane inner tubing
- 3/4-14 UN female outlet
- 3/4-14 UN female inlet
- Hose washers included
- Material: Polished chrome plated brass end fittings, thermoplastic handle and stainless steel hose



Part #	Mfg #	Description	Price
010404	B-0044-H	44" Flexible Stainless Steel	

### Washer



Part #	Mfg #	Description	Price
010411	001041-45	Spreader Washer	

**T & S Brass Repair Parts**

**T&S Brass Parts (Continued)**

**Washer**

Part #	Mfg #	Description	Price
022191	001092-45	T&S Seat Washer	

**Wall Brackets**

**Wall Bracket**

- Fits 3/8" pipe
- 2-1/4" Wall flange
- Polished chrome plated brass
- Chrome-plated mounting screws included



Part #	Mfg #	Size	Price
033142	B-0109-01	6"	

**Parts & Accessories**

Part #	Mfg #	Description	Price
010417	018L	Stem	
010427	067L	Stem	
010426	066L	Removable Insert	
010425	064L	Removable Insert	
019815	003164-45	Spring Check Seat Washer with Seat Disc	





## Taco Repair Parts

### Pro-Fit™ Replacement Parts

• For Bell & Gossett and Armstrong pumps

#### Coupler

- Rugged, cast zinc w/steel reinforced eyelets
- Heavy-duty spring
- Fits all 1/2" motor shafts
- Std Woods 3-J for all 5/8" motor shafts (opt 1/2" inserts included)



Part #	Mfg #	B&G Part #	Armstrong Part #	Price
079914	COU-ABC-100	118705,189110,118712,118723	806026-001	
079915	COU-D100	118473,118709	810120-003/006,806137-000,807436-000	

**Thermolec Repair Parts**

**Parts & Accessories**

Part #	Mfg #	Description	Price
130137	10-02-005	Magnetic B/U, 50A Spade Style Contactor	
130139	10-02-006	CCT-140 SPDT Diverting Valve Pump Relay	
241766	16-04-250	TH22 Conversion Kit	
241767	16-04-300	TH22 Controller	
128230	17-02-102	CBLR055 Incoloy Element 5kW, 240V	
121185	17-02-103	CBLR060 Incoloy Element 5.75kW 240V	
130133	17-02-107	CBLR130 Electronic Temperature. Sensor - Supply Water	
110489	17-02-110	CBLR025 Mono Energy Control Board TH-600-M	
130131	17-02-115	CSR113 Solid State Relay SSR-20-DC	
130130	17-02-116	CTR040 Control Transformer 30VA 240/24V	

## Triangle Tube Repair Parts

### Prestige Parts

Part #	Mfg #	Description	For:	Price
115737	PSENS01	Outdoor Sensor Kit		
093308	PSSTND01	Floor Stand	PS110, PS175, PS250	
107252	PSSTND02	Wall Kit, Recommended f/Hanging on Anything Other Than a Masonry Wall		
107253	PSSTND03	Floor Stand Kit Use w/PSSTND02 Wall Kit	PE110 & PS399	

### Electronic Components

Part #	Mfg #	Description	For:	Price
091015	PSRKIT04	NTC Sensor	PS110, PS175 & PS250	
091016	PSRKIT13	Blower Kit w/Gasket	PS110 & PS175	
091019	PSRKIT19	Transformer with Surge Protection	SOLO 110	
114363	PSRKIT20	Control Module Display	SOLO 110	
118949	PSRKIT50	Control Module	SOLO 110	
120439	PSRKIT55	Blower Kit w/Gasket	PS110	
117640	PSRKIT58	MCBA Control Module Replacement Kit	PE110	
138226	PSRKIT63	NTC3 Domestic Hot Water Sensor	PE110	

### Burner Components

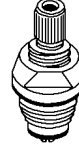
Part #	Mfg #	Description	For:	Price
091021	PGRKIT01	Gas Valve Kit	PS110	
091017	PSRKIT15	Igniter w/Gasket	SOLO 110	
120440	PSRKIT41	Gas Valve	SOLO 399	

### Internal Components

Part #	Mfg #	Description	For:	Price
091020	PGRKIT20	Lwco Pressure Device	SOLO 110	
118581	PSRKIT40	399 Blower with Gasket	SOLO 399	

**Union Brass Repair Parts**

**Parts**  
**Valve Assemblies**



80038



80080

Part #	Mfg #	Description	Price
010503	80038	1837AC Cold Valve Assembly	
051376	80080	1839A-C Cold Valve Assembly	

**Ruud Heating & AC Repair Parts**

**Blower Wheels**

**Blower Wheel**

- CW Rotating



Part #	Mfg #	Rotation	Nom Size	Overall Dia x Overall W	Hub	Disc Shape (Hub Side)	# of Blades	Price
009619	70-18631-01	CW	9" x 7"	9-1/2" x 7-1/8"	1/2"	Convex	43	
024572	70-20218-02	CW	10" x 7"	10-5/8" x 7-3/16"	1/2"	Convex	48	
016858	70-18629-01	CW	10" x 10"	10-5/8" x 10-5/8"	1/2"	Concave	48	
051174	70-23110-30	CCW	10" x 10"	10-5/8" x 10-3/4"	1/2"	Concave	48	
030369	70-23111-05	CW	11" x 7"	11-15/16" x 7-1/8"	1/2"	Concave	54	
074404	70-23111-43	CW	11" x 7"	11-15/16" x 7-1/8"	1/2"	Concave	54	
049454	70-24254-02	CW	11" x 7"	11-15/16" x 7-1/8"	1/2"	Convex	54	
009622	70-20602-01	CW	11" x 10"	11-7/8" x 10-11/16"	1/2"	Concave	54	
050595	70-24119-01	CW	12" x 7"	12-3/4" x 7"	1/2"	Concave	43	
086470	70-24179-01	CW	12" x 11"	12-25/32" x 11-1/8"	1/2"	Convex	43	
019546	70-24041-01	CW	12" x 11"	12-3/4" x 11-1/8"	1/2"	Concave	43	
051179	70-42540-02	Reversible	15" x 15"	15" x 15"	1"	Double Convex	51	

**Compressors**

**R-410 Scroll Compressor**

**Copeland R-410A Air Conditioning Scroll Compressor - 208/230**

- Crankcase heater not included



Part #	Mfg #	Vendor #	Capacity MBTUH	Run Capacitor	Start Capacitor	Start Kit	Kick Start	Crankcase Heater	Price
113737	55-102045-14S	ZP16K5E-PFV	15.5	30/370	88-106/330	SK-A1	42-TO5	44-17402-44	
113736	55-102045-01S	ZP21K5E-PFV	21.3	40/370	88-106/330	SK-A1	42-TO5	44-17402-44	
113735	55-102045-02S	ZP21K5E-PFV	21.3	40/370	88-106/330	SK-A1	42-TO5	44-17402-44	
113903	55-102045-31S	ZP24K5E-PFV	24.0	40/370	88-106/330	SK-A1	42-TO5	44-17402-44	
113901	55-102045-03S	ZP31K5E-PFV	31.0	45/370	88-106/330	SK-A1	42-TO5	44-17402-44	
131585	55-102045-17S	ZP38K5E-PFV	37.5	45/370	175-216/330	SK-A3	42-KS1	44-17402-45	
113730	55-102045-09S	ZP42K5E-PFV	42.0	70/370	88-106/330	SK-A1	42-KS1	44-17402-45	
113734	55-102045-15S	ZP34K5E-PFV	34.0	45/370	88-106/330	SK-A1	42-TO5	44-17402-45	
113900	55-102045-26S	ZP51K5E-PFV	51.0	70/370	175-216/330	SK-A3	42-KS1	44-17402-45	
175440	55-102045-27S	ZP51K5E-TF5-830	51.0	-	-	-	-	44-17402-45	
113729	55-102045-13S	ZP54K5E-PFV	54.0	80/370	175-216/330	SK-A3	42-KS1	44-17402-45	

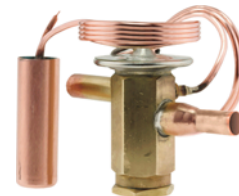
**Ruud Heating & AC Repair Parts**

**R-22 Scroll Compressor**  
**Copeland R-22 Air Conditioning Scroll Compressor - 208/230-1**



Part #	Mfg #	MBTUH*	Electrical	RLA	Max Dimensions H x W x L	Stub Tube Conn(ID") Dischg, Suc	Mnt Dim W x L	Price
133280	ZR16K5E-PFV-800	20.3	208/230-1-60	9.3	15.86" x 9.50" x 9.50"	1/2", 3/4"	7.5" x 7.5"	
222707	ZR21K5E-PFV-800	27.5	208/230-1-60	32.9	18.75" x 11.23" x 10.38"	22/25", 1-1/8"	7.5" x 7.5"	
133217	ZR25K5E-PFV-800	32.8	208/230-1-60	15	15.86" x 9.50" x 9.50"	1/2", 3/4"	7.5" x 7.5"	
133806	ZR28K5E-PFV-800	36.9	208/230-1-60	15.7	15.86" x 9.50" x 9.50"	1/2", 3/4"	7.5" x 7.5"	
222708	ZR32K5E-PFV-800	42.6	208/230-1-60	17.1	15.86" x 9.50" x 9.50"	1/2", 3/4"	7.5" x 7.5"	
164723	ZR34K5E-PFV-800		208/230-1-60	18.6	15-5/16"H	1/2", 3/4"	7.5" x 7.5"	
180171	ZR42K5E-PFV-800	54.8	208/230-1-60	22.1	16.94" x 9.56" x 9.59"	1/2", 7/8"	7.5" x 7.5"	
141164	ZR54K5E-PFV-800	69.7	208/230-1-60	28.2	16.94" x 9.56" x 9.59"	1/2", 7/8"	7.5" x 7.5"	
139752	ZR48K5E-PFV-800	48.2	208/230/1-60	24.3	16-7/16"H	1/2", 7/8"	7.5" x 7.5"	
176782	ZR61K3E-TF5-950	62	208/230-3-60	19.3	17-3/4"H	1/2", 7/8"	7.5" x 7.5"	
168710	ZR61K3E-PFV-950	62	208/230/1-60	32.1	17-3/8"H	1/2", 7/8"	7.5" x 7.5"	

**Expansion Valves**  
**Thermal Expansion Valve**



Part #	Mfg #	Description	Price
140730	611006	2T R-22 Expansion Valve	
140731	611007	3T R-22 Expansion Valve	
140732	611008	4T R-22 Expansion Valve	
140733	611009	5TR-22 Expansion Valve	
140734	611011	2T R-410A Expansion Valve	
140735	611012	3T R-410A Expansion Valve	
140736	611013	4T R-410A Expansion Valve	
134296	611064	3T R-410A To R-22 Conversion, Thermal Expansion Valve	
141976	61-103652-05	2T R-410A TX Expansion Valve	
236790	61-106238-37	5T TXV Expansion Valve	
131854	61-21922-46	1.5T R-22 TXV Expansion Valve	
105705	61-21922-47	2T R-22 TXV Expansion Valve	
131857	61-21922-50	4T R-22 TXV Expansion Valve	
105707	61-21922-82	2.5T R-22 TXV Expansion Valve	
105708	61-21922-83	3T R-22 TXV Expansion Valve	

**Ruud Heating & AC Repair Parts**

**Expansion Valves (Continued)**

**Thermal Expansion Valve**

Part #	Mfg #	Description	Price
105709	61-21922-84	4T R-22 TXV Expansion Valve	
105710	61-21922-85	5T R-22 TXV Expansion Valve	

**Fan Blades**

**Fan Blade with Integral Hub**



Part #	Mfg #	Diameter	Pitch	Rotation	# of Blades	Price
079832	70-21859-05	18"	28°	CCW	2	
123681	70-102033-05	18"	30°	CCW	3	
071438	70-20607-04	20"	27°	CCW	2	
107473	70-102011-06	20"	29°	CCW	3	
084834	70-21858-06	22"	21°	CCW	2	
009623	70-20608-01	22"	27°	CCW	2	
105796	70-102011-07	22"	35°	CCW	2	
107476	70-102011-09	24"	22°	CCW	2	
024245	70-19897-01	24"	22°	CCW	3	
103769	70-100580-03	24"	22°	CCW	3	
123680	70-102011-03	24"	24°	CCW	2	
084787	70-26166-01	24"	24°	CCW	2	
096139	70-100580-04	24"	28°	CCW	3	
086771	70-23137-01	24"	19°	CCW	2	
117441	70-21858-17	24"	22°	CCW	3	
106241	70-21858-12	18"	27°	CCW	2	

**Fan Center**

- Terminals: W, G, Y, R, C
- 120V Primary voltage
- 24V Secondary voltage
- Transformer frequency: 50,60Hz
- Relay not included, SPDT configuration
- Relay coil voltage: 24V



Part #	Mfg #	Description	Price
009344	47-19807-04	Fan Center, 4-1/4" x 4-1/4"	

**Ruud Heating & AC Repair Parts**

**Gas Valves**



Part #	Mfg #	Description	Price
009499	60-22174-02	Natural Gas Valve, 150,000 BTU/HR @ 1" WC Pressure Drop	
009501	60-22447-01	Natural Gas Valve, 150,000 BTU/HR @ 1" WC Pressure Drop	
067321	60-24215-03	Modulating Natural Gas Valve	
127859	60-24394-01	Natural Gas Valve, 150,000 BTU/HR @ 1" WC Pressure Drop	

**Gas Control**



Part #	Mfg #	Description	Price
132343	SP20166A	Gas Valve - Natural Gas	
129359	SP20166B	Gas Valve - Natural Gas	
128611	SP20166C	Gas Valve - Natural Gas	
180874	AP14270C	Gas Control (Thermostat) - NG	

**White-Rodgers 36G Gas Valve**

- 140,000 BTUH Capacity @ 1"wc pressure drop
- Slow opening
- Hot Surface/ Direct Spark

60-24180-81



Part #	Mfg #	Description	Price
125567	60-24180-81	36G23-202E91 1/2" NG Hot Surface/Direct Spark 1-Stg 140,000	
143224	60-101921-81	36G55-521 1/2" NG Hot Surface/Direct Spark 2-Stg 140,000 BTUH Capacity	

**White-Rodgers 36J Gas Valve**

- Natural gas
- 140,000 BTUH Capacity @ 1"wc pressure drop
- 4-3/4"L x 2-3/8"W x 4-1/4"H



Part #	Mfg #	Description	Price
179394	60-103901-01	36J23-502 1/2" NG Hot Surface/Direct Spark 1-Stg 140,000 BTUH Capacity	



**Ruud Heating & AC Repair Parts**

**Honeywell VR8215S1313 Gas Valve**

- Natural gas
- 150,000 BTU/HR Capacity @ 1"wc pressure drop
- 4-7/16"L x 2-3/4"W x 4-1/8"H
- Hot Surface/Direct Spark



Part #	Mfg #	Description	Price
172007	60-105055-01	VR8215S1313 1/2" NG Hot Surface/Direct Spark 1-Stg 150,000 BTU/HR Capacity	

**Honeywell VR8304 Intermittent Pilot Dual Automatic Valve Combo Gas Control**

- For use in 24VAC gas-fired, intermittent pilot with capacities from 30-415 cfh
- Includes all standard features plus:
  - Controls include 100% safety shut-off, manual valve, two automatic operators, pressure regulator & pilot adjustment
  - Standard & slow opening natural gas models include natural to LP gas conversion kits; LP to natural gas conversion kits are also available
  - All adjustments, wiring connections & pilot outlets are accessible from the top of control
  - Adjustable servo regulator
  - Compatible with ECO connector
  - On-Off lighting sequence
  - Use with S86F,H; S860D; S8600F,H; S8610 & S90A,B Control Modules
  - Single stage unless otherwise noted
  - Capacities based on 1" p.d. 30,000 BTUH minimum, 300,000 BTUH maximum

**Honeywell**



Part #	Mfg #	Description	Price
009498	60-21621-81	VR8304M3101 3/4" NG Pilot 1-Stg 270,000 BTUH Capacity	

**Gas Valve Spring Kit**

Part #	Mfg #	Description	Price
009490	60-18759-07	Gas Valve Spring Kit	

**Heat Cell**

Part #	Mfg #	Description	Price
008940	AS-61164-83	Heat Cell - Aluminum	

**Inducer Motors  
Induced Draft Blower with Gasket**



Part #	Mfg #	Description	Price
090631	70-101087-81	120V 1-Stg Sheet Metal Inducer Housing Right Side Discharge	
160013	70-104157-82	Induced Draft Blower Assembly with Gasket	
009627	70-21496-83	120V 1-Stg Polymeric Inducer Housing Left Side Discharge	
009632	70-22436-02	120V Induced Draft Blower w/ Gasket	

**Ruud Heating & AC Repair Parts**

**Inducer Motors (Continued)  
Induced Draft Blower with Gasket**

Part #	Mfg #	Description	Price
024248	70-23641-81	208-230V 1-Stg Sheet Metal Inducer Housing Right Side Discharge	
072199	70-23641-82	380-415V, 460V, 50-60Hz 1-Stg Induced Draft Blower w/Gasket	
009635	70-24033-01	120V 1-Stg Polymeric Inducer Housing Right Side Discharge	
041979	70-24157-03	120V 1-Stg Cast Metal Inducer Housing Right Side Discharge	
027297	70-24206-01	120V 2-Stg Polymeric Inducer Housing Right Side Discharge	

**1-Stage Draft Inducer Blower**

- 115V 1-Speed
- For use with Rheem/Ruud gas furnaces models RGRK-07EMAES and UGRK-07EAMES



Part #	Mfg #	Description	Price
120707	703020	Draft Inducer Blower	
131722	70-24071-94	Draft Inducer Blower	

**2-Stage Draft Inducer Blower**

- 115V 2-Speed
- For use with Rheem/Ruud gas furnaces models RGRK-07EMAES and UGRK-07EAMES



Part #	Mfg #	Description	Price
136280	70-100612-03	Draft Inducer Blower	
139895	70-100612-81	Draft Inducer Blower	
139892	70-102691-81	Draft Inducer Blower	
139896	70-102814-81	Draft Inducer Blower	
139894	70-103086-01	Draft Inducer Blower	
145465	70-103597-01	Draft Inducer Blower	

**Blower Assembly**



Part #	Mfg #	Description	Price
015970	70-22165-81	Blower Assembly	
009631	70-22436-01	Blower Assembly	
137367	AP15109-1	Blower Assembly	

**Ruud Heating & AC Repair Parts**

**Vent Motor with Blades**

- 208/230V, Nominal 3,000 rpm
- Includes centrifugal proving switch
- Mounting bolt pattern 4-1/4" x 4-1/4"
- Includes (3) fan blades (3", 3-1/2" and 4" diameter)



Part #	Mfg #	Description	Price
009414	51-21964-11	Vent Motor with Blades, 208/230V Nominal 3000 rpm	

**Motor Mount**



Part #	Mfg #	Description	Price
022307	562300109	Blower Motor Mount Kit For 48 Frame	
093274	AE-58384-81	Screw Mounting Kit, 5-5/8" 48 Frame Motors, 16" Nom Blower Mounting Bolt Circle Dia, (4) Arms	
041165	AE-61698-82	Screw Mntg Kit, 5-5/8" 48 Frame Motors, 14-13/16" Nom Blower Mntg Bolt Circle Dia, (4) Arms	
008936	AS-55306-02	Condenser Motor Plate Mount Kit	
223191	AS-55306-82	Condenser Motor Plate Kit	

**Limit Controls**

**Therm-O-Disc Temperature Limit Control Switch**

**36T Small Flanged Airstream - Manual Reset**

- 120/230V maximum rating, 15/10A maximum current rating
- Enclosed disc face
- SPST Switching
- Normally closed
- 300° Open temperature



Part #	Mfg #	Temp Open	Tolerance Open	Color Code	Mounting Tube	Price
009391	47-22861-02	300°F	+/-14°F	Blue	5/32"	
160018	47-22861-04	250°F	+/-12°F	Red	5/32"	

**36T Special Small Flanged Airstream - Manual Reset**

- 120/230V Max rating, 15/10A Max current rating
- Enclosed disc face
- SPST Switching
- Normally closed
- 250° Open temperature



Part #	Mfg #	Temp Open	Tolerance Open	Color Code	Mounting Tube	Price
103688	47-22861-03	250°F	+/-12°F	--	3/16"	

**Ruud Heating & AC Repair Parts**

**74T Large Flanged Airstream - Auto Reset**

- 230V Max rating, 25A Max current rating
- Enclosed disc face
- SPST Switching
- 3/8" Maximum mounting insertion depth



Part #	Mfg #	Description	Price
141499	47-25115-02	Open Temp: 135°F - 175°F; Close Temp: Open Temp Minus 40°F, 40° Nom Temp Difference	
141500	47-25115-03	Open Temp: 175°F - 215°F; Close Temp: Open Temp Minus 40°F, 40° Nom Temp Difference	

**Limit Control Switch - Auto Reset - 69T Heat Assisted**

- Normally closed
- Exposed disc face
- SPST Switch type



Part #	Mfg #	Description	Price
009388	47-22860-01	95°F Close Temperature Red	
009389	47-22860-02	100°F Close Temperature Blue	

**Limit Switch - Auto Reset 60T Series**

- Normal closed
- Flanged airstream
- 1-Pole
- SPST Switch type
- Normal closed



Part #	Mfg #	Description	Price
160015	47-104465-01	95°F Close Temperature Yellow	

**Limit Control Switch - Manual Reset - 36T**

- Flanged Airstream



Part #	Mfg #	Description	Price
009375	47-22453-01	Normally Closed Enclosed Disc Face SPST	
009376	47-22453-02	Normally Closed Enclosed Disc Face SPST	
009390	47-22861-01	Normally Closed Exposed Disc Face SPST	
009393	47-22862-02	Normally Closed Blue Exposed Disc Face SPST	
009395	47-22862-04	Normally Closed Orange Enclosed Disc Face SPST	

**Ruud Heating & AC Repair Parts**

**Limit Switch/Defrost Sensor - Auto Reset**

- Tube mount
- Moisture resistant
- SPST switch type
- 120/230



Part #	Mfg #	Description	Price
085224	47-23683-04	Close on Rise Wire Leads - 98" Wire Length	

**Limit Control/Switch**



Part #	Mfg #	Description	Price
009351	47-21663-01	Limit Switch	
009367	47-21900-05	Limit Control	
009368	47-21900-06	Limit Control	
009371	47-22383-13	Limit Switch	
026839	47-22383-33	Limit Control	

**Limit Control Switch - Auto Reset - 36T**

- Enclosed disc face
- SPST Switch type
- Normally closed
- Board mount 90° strap angle



Part #	Mfg #	Description	Price
009356	47-21711-06	150°F Close Temperature	
009360	47-21711-10	150°F Close Temperature	
034226	47-25349-02	150°F Close Temperature Blue/Blue	
036843	47-25349-03	150°F Close Temperature Yellow/Yellow	
009361	47-21711-11	160°F Close Temperature	
038081	47-25349-01	160°F Close Temperature Red/Red	
038093	47-25349-05	180°F Close Temperature Orange/Orange	
038095	47-25350-07	180°F Close Temperature Green/Green	
034120	47-25350-01	190°F Close Temperature Red/Red	
009354	47-21711-04	200°F Close Temperature	
036657	47-25350-09	200°F Close Temperature Tan/Tan	
040953	47-25350-06	150°F Clos Temperature Brown/Brown	
009403	47-24006-08	Limit Switch	
059560	47-25350-02	Limit Control	
050264	47-25350-04	Limit Control	
085327	47-25350-05	Limit Control	
145464	47-25350-12	Limit Control, 195°F Open	

**Ruud Heating & AC Repair Parts**

**Motors  
ECM Motor**



Part #	Mfg #	Description	Price
142897	51-102728-05	ECM Outdoor CA330R Motor	
169001	51-104304-28	1/2 hp Variable Speed ECM Motor	
166659	51-104306-01	Variable-Speed 1 hp Direct Drive ECM 48 Frame	
166319	51-104306-03	Variable Speed 1 hp Direct Drive ECM Motor	
166281	51-104306-24	1 hp ECM Motor	
166321	51-104306-25	1 hp ECM Motor	
137902	51-42534-24	1/3 hp Fan Motor	
145469	51-102602-01	1/2 hp Communicating Motor	
168216	51-104304-01	1/2 hp ECM Motor	
235420	51-102870-08	ECM (Outdoor) - Not Programmable	

**OEM Condenser Motor (208/230V)**

- These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for after market retrofit in many other applications
- Single speed, single phase



Part #	Mfg #	Description	Price
086497	51-100999-02	1/10 hp 825 rpm 208/230V Condenser Motor	
085274	51-100999-03	1/6 hp 1075 rpm 208/230V Condenser Motor	
086548	51-100999-04	1/5 hp 1075 rpm 208/230V Condenser Motor	
086549	51-100998-05	1/3 hp Condenser Motor	
113859	51-100998-13	1/3 hp 1075 rpm 208/230V Condenser Motor	
123683	51-102500-02	Sgl Speed, 1/6 hp 1075 rpm 208/230V CCW 3/370 Capacitor	
105406	51-102500-04	1/5 hp 825 rpm 208/230V Condenser Motor	
113905	51-102500-05	1/10 hp 825 rpm 208/230V Condenser Motor	
099184	51-42179-01	Sgl Speed, 1/3 hp 1075 rpm 208/230-1-60 CCW 10/370 Run Capacitor	
052997	51-42534-01	Sgl Speed, 1/3 hp 1075 rpm 208/220/230-1-50/60 CCW 10/370 Run Capacitor	

**Condenser Fan Motor**

- 60 Hz
- Single stage
- Sleeve bearing
- 825 rpm/ 1 speed
- Input voltage: 208-230
- Counter clockwise rotation

Part #	Mfg #	Description	Price
237994	51-101774-52	1/6 HP	

**Ruud Heating & AC Repair Parts**

**Ruud Wholesale Condenser Motor (208/230V)**



Part #	Mfg #	Description	Price
009426	51-23055-12	1/5 hp Direct Drive 230V 825 rpm	
009425	51-23055-11	1/5 hp Direct Drive 230V 1075 rpm	
133785	51-21853-11	1/2 hp 1075 rpm/1 speed	

**Ruud Wholesale Condenser Motor (460V)**



Part #	Mfg #	Description	Price
086789	51-23063-11	Sgl Speed, 1/3 hp 1075 rpm 460-1-60 Reversible 7.5/370 Capacitor	

**Condenser Motor**



Part #	Mfg #	Description	Price
132537	51-100998-08	1/8 hp Condenser Motor	
125111	51-102728-11	ECM Condenser	
125103	51-102728-12	ECM Condenser Fan Motor	
125112	51-102728-13	ECM Condenser	
236933	51-102728-24	ECM Condenser Motor	
125432	51-102870-01	ECM Condenser (Outdoor)	
125110	51-102870-03	Condenser Fan Motor	
236636	51-102870-09	Condenser Fan Motor	
140687	5464	1/6 - 1/3 hp 825 rpm 208/230V Emerson RESCUE Condenser Motor	
061734	51-21853-15	Condenser Motor - 1/3 hp 460/1/60	
140686	5462	1/3 to 1/6 hp 1075 rpm 208/230V RESCUE Condenser Motor	



**Ruud Heating & AC Repair Parts**

**TripSaver Condenser Motor**



Part #	Mfg #	Description	Price
009424	51-23053-21	1/3 / 1/5 hp Direct Drive 230V 1,075 rpm	
143484	51-103823-01	1 hp 230V X13 Motor	

**OEM Indoor Blower Motor**



Part #	Mfg #	Capacitor	HP	Volts	Amps	RPM/Speed	Rotation	Price
128889	51-103243-01	15mfd/370V	1/2 hp	120-1-60	8.00A	1,075/4	CCW	
042374	51-23679-01	10mfd/370V	1/2 hp	208/230	2.70A	1,075/3	CW	

**Trip Saver Indoor Blower Motor**



Part #	Mfg #	Description	Price
009422	51-23022-41	4-Speed 1/6-1/2 hp 1,075 rpm 208/230-1-60 REV 5/370, 7.5/370 or 10.370 Capacitor	

**SelecTech Blower Motor**

- Variable # of speeds
- One phase
- Direct drive
- Ball bearings
- Shell-band mounting

Part #	Mfg #	Description	Price
241742	51-104355-11	1/2 hp 120V 1 Phase	
241743	51-104355-12	1/2 hp 120V 1 Phase	
241744	51-104355-13	1/2 hp 120V 1 Phase	
241745	51-104357-04	1 hp 120V 1 Phase	
241746	51-104357-05	1 hp 120V 1 Phase	
241747	51-104357-06	1 hp 120V 1 Phase	



**Ruud Heating & AC Repair Parts**

**Blower Motor**



Part #	Mfg #	Description	Price
100478	51-101879-01	1/3 hp 240V X-13 Blower Motor	
094848	51-101880-01	1/2 hp 208/230V 1-Phase X-13 Blower Motor	
113814	51-102497-01	3/4 hp 230V Variable Speed X-13 Blower Motor with Resilient Rotor	
113813	51-102497-02	3/4 hp 230V Variable Speed X-13 Blower Motor	
009418	51-23012-41	1/6 - 1/2 hp 1,075 rpm 120V 4-Speed Reversible Rotation Tripsaver™ Blower Motor	
028318	51-23017-42	1/4 - 3/4 hp 1,075 rpm 120V Indoor Blower Motor	
016108	51-24070-02	1/2 hp Indoor Blower Motor 120V 1,075 rpm	
024237	51-23555-02	Blower Motor - 3/4 hp 208/230/1/60	
124801	51-21898-01	3/4 hp 208-230/1 V 1075 rpm	
038103	51-23102-08	1/2hp Dir Dr 208-230V 825 rpm	
160026	51-104342-01	3/4 hp 120/1/60 (1075 rpm/4 Speed)	

**Motor**

Part #	Mfg #	Description	Price
009420	51-23015-91	1/5 hp 120/1/60 1075 rpm 3-Speed	
141494	51-23027-31	Blower Motor 3-Speed 230V 3/4 hp	
145470	51-102605-01	1 hp 120/230V ECM Motor	
127336	51-24374-27	1/2 hp ECM Blower Motor	
125741	51-24374-28	1/2 hp ECM Blower Motor	
052874	51-24376-03	Motor w/ICM Module (Modulating Furnace)	
078007	51-24382-81	1/2 hp ECM Module	
134008	51-102008-08	Condenser Fan Motor	

**Motor Mounting Kit**

Part #	Mfg #	Description	Price
125546	70-24104-82	Motor Mounting Kit	

**Relay's**

**Control Relay**

**Sealed Case (SPDT) Control Relay**



Part #	Mfg #	Contact Bias	Coil Volts	FLA @120V	FLA @230V	LRA @120V	LRA @230V	Price
009290	42-25104-06	NO/NC	24V	14	8	84	48	

**Ruud Heating & AC Repair Parts**

**Relay - DPTD**



Part #	Mfg #	Contact Bias	Coil Volts	FLA @120V	FLA @230V	LRA @120V	LRA @230V	Price
009222	42-18287-12	NO/NC (2)	24V	12	6	60	35	

**Open Coil (DPDT) Control Relay**



Part #	Mfg #	Contact Bias	Coil Volts	FLA @120V	FLA @230V	LRA @120V	LRA @230V	Price
027431	42-25106-01	NO/NC (2)	24V	13.8	6.9	82.8	41.4	

**Control Relay - Small Sealed Case (SPDT)**



Part #	Mfg #	Contact Bias	Coil Volts	FLA @277V	LRA @230V	LRA @277V	Price
117427	42-23114-06	NO/NC	24V	20NO, 10NC	60NO, 33NC	60NO, 33NC	

**Start Relays - Potential Type**



Part #	Mfg #	Hot Pickup (V)	Cold Pickup (V)	Dropout (V)	Max Cont Coil Volt (V)	Start Kit Relay Code	Price
041054	42-25105-01	170-180V	162-175V	40-90V	336V	A	

**Time Delay Relay**



Part #	Mfg #	Time Delay Adj.	Make Time Delay	Voltage Rating	Current Rating Steady State	Current Rating Inrush	Price
042350	42-ICM102	Variable	.03 - 10 Min	18-230 VAC	1.5	15	

**Ruud Heating & AC Repair Parts**

**Time Delay Relay**



Part #	Mfg #	Time Delay Adj.	Break Time Delay	Voltage Rating	Current Rating Steady State	Current Rating Inrush	Price
121707	47-23433-93	Fixed	.17 Min	18-30 VAC	1	10	

**Timer Delay**



Part #	Mfg #	Time Delay Adj.	Break Time Delay	Voltage Rating	Current Rating Steady State	Current Rating Inrush	Price
092118	42-ICM	Variable	.17 -16.6 Min	18-230 VAC	1	10	
042351	42-ICM203	Variable	.03 - 10 Min	18-230 VAC	1.5	15	

**Time Delay Relay - On Delay On Break (Anti-Short Cycle)**



42-22655-02

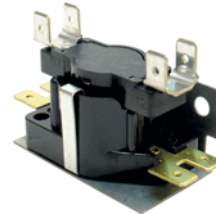
Part #	Mfg #	Time Delay Adj.	Break Time Delay	Voltage Rating	Current Rating Steady State	Current Rating Inrush	Price
044912	42-22655-02	Fixed	5 Min	18-30 VAC	1.5	-	
047231	42-22655-03	Fixed	.5 Min	18-30 VAC	1.5	-	

**Sequencers**

**Sequencer**

**24V Angle Bracket with (2) Mounting Holes Sequencer**

- DPST-NO



Part #	Mfg #	Poles	Sequencing Off	Sequencing On	Switching	Price
050196	42-23116-08	2	10 - 30	30 - 60	DPST NO	
034057	42-23116-06	2	10 - 40/30 - 160	90 - 160/30 - 60	DPST-NO	
052164	42-23116-09	3	10 - 30	90 - 150/30 - 60	TPST NO	

**Ruud Heating & AC Repair Parts**

**Sequencing Relay**

- Flush mount plate w/ mounting hole & tab
- 1/4" Quick connects
- Heater Wattage/ Power Consumption:  
24 VAC/.10A-.18A steady state/.35 - 1.0 amps peak for 0.8 sec



Part #	Mfg #	Poles	Sequencing Off	Sequencing On	Switching	Price
137087	PD425078	2	30 - 60	1 - 30	DPST-NO	
185861	425079	2	1 - 30	30 - 60	DPST-NO	
020492	42-23116-07	3	30-60	10-30	TPST - NO	

**Service Valves**

**Service Valve**

- Front seating valves, isolate sections of a system for servicing and provide a means for refrigerant charging
- All brass corrosion resistant body and solid copper fittings
- Includes 1/4 Flare SAE charge port; communicates with lower fitting when in closed position
- Suitable for R-22 and R-410A, 600 psig maximum working pressure



Part #	Mfg #	Connect	OPP Connect	OAL	Charge Port Location	Price
085196	61-21368-13	3/8" Sweat ODF	3/8" Sweat ODF	4-5/8"	Side	
101321	61-21368-07	3/4" Sweat ODF	3/4" Sweat ODF	5"	Bottom	
096123	61-21368-15	7/8" Sweat ODF	7/8" Sweat ODF	5"	Side	
083261	61-21368-16	7/8" Sweat ODF	3/4" Sweat ODF	5-1/8"	Side	

**Service Valve**



Part #	Mfg #	Description	Price
092122	803003	1/4" OD Service Valve	
143354	83-CD8403-6PK	3/16" OD Service Valve	

**Miscellaneous**

**Remote Sensor for 90 Series®**

- Digital signal output provides superior temperature control, even over long wire runs
- No temperature variance caused by wire resistance
- Choice of styling, indoor models are interchangeable
- Perfect for securing the thermostat in one area or room while sensing temperature in the conditioned space



Part #	Mfg #	Color	Dimensions	Model	Range	Price
102316	F145-1328	Classic White	2-1/8" x 3-1/2" x 3/4"	Indoor	40° to 99°F All Indoor Remote	
101726	F145-1378	Classic White	2-1/8" x 3-1/2" x 3/4"	Outdoor	-40° to 140°F	

**Ruud Heating & AC Repair Parts**

**Mixed Air Sensor**

Part #	Mfg #	Description	Price
076571	470010	Mixed Air Sensor	

**Logic Module**

Part #	Mfg #	Description	Price
143968	PD470009	Demand Control Ventilation Economizer Logic Module with Heat Pump Input	

**Start Kit**

- 330 VAC
- 60Hz



Part #	Mfg #	Description	Price
173840	SK-A1	Compatible with RA13, RA14, RA16, RP14, RP15, UA17, & RJMA Units	

**ECM Motor Repair Kit**



Part #	Mfg #	Description	Price
176875	VZREP	ECM Motor Repair Kit	

**Ruud Heating & AC Repair Parts**

**Pressure Switches**

**Pressure Control**

**Low Pressure Control - Auto Reset (Sweat w/o Cap Tube)**



Part #	Mfg #	Description	Price
150872	47-101529-09	50 psig Open Pressure 5/16" Sweat Connection, 90° Elbow End	

**High Pressure Control - Auto Reset (Sweat w/o Cap Tube)**



Part #	Mfg #	Description	Price
113929	47-26184-01	610 psig Open Pressure 420 psig Close, 1/4" Swt Connection, Straight Fitting	
177684	47-102431-03	655 psig Open Pressure	

**Low Pressure Limit - Auto Reset**



Part #	Mfg #	Description	Price
178391	47-102240-03	50 psig Open Pressure	

**Pressure Control Switch**



Part #	Mfg #	Description	Price
161588	42-101225-81	Pressure Switch	
091197	42-101233-81	Pressure Control	
091198	42-101443-89	Pressure Control, 0.45" WC	
091200	42-101443-91	Pressure Control, 0.60" WC	
091311	42-101444-83	Pressure Control, 1.00" WC	
091438	42-101445-83	Pressure Control, 0.40" WC	
083509	42-101447-07	Pressure Control	
098938	42-101447-86	Pressure Control, 1.80" WC	
107479	42-101447-89	Pressure Control, 1.95" WC	
091542	42-101511-84	Pressure Control	
128891	42-101955-02	Pressure Switch for RGRC034T 074T 105T	

**Pressure Switches (Continued)**

**Low Pressure Limit - Auto Reset**

**Pressure Control Switch**

Part #	Mfg #	Description	Price
137097	42-101955-08	Pressure Switch for RGRC Drain	
109677	42-101956-09	Pressure Switch for RGRC RGTC Vent	
109679	42-101956-10	Pressure Control, 1.20" WC	
128890	42-101956-12	Pressure Switch for RGRC Vent	
107812	42-102056-01	Dual Pressure Control, -0.80" & -1.30" WC	
112161	42-102056-02	Dual Pressure Control, -0.60" & -1.08" WC	
107814	42-102056-03	Dual Pressure Control, -0.86" & -1.20" WC	
125747	42-102056-05	Dual Pressure Control, -0.40" & -0.60" WC	
107813	42-102056-06	Dual Pressure Control, -0.66" & -1.30" WC	
123676	42-102056-13	Dual Pressure Control, -0.30" & -0.50" WC	
136527	42-102056-22	Dual Pressure Control, -0.40" & -0.30" WC	
145463	42-102056-25	Dual Pressure Control	
145462	42-102056-26	Dual Pressure Control	
145461	42-102056-27	Dual Pressure Control	
145460	42-102056-28	Dual Pressure Control	
160008	42-102069-01	Pressure Switch Assembly	
162412	42-102069-06	Pressure Switch Assembly	
162413	42-102070-14	Pressure Switch Assembly	
162414	42-102070-18	Pressure Switch Assembly	
127334	42-103193-01	Dual Pressure Control	
186615	42-105601-105	Pressure Switch Assembly	
089690	42-24194-01	Pressure Switch	
091194	42-24194-82	Pressure Control	
080580	42-24195-03	Pressure Control, for UGRA UGFD 90RS 90RT	
135420	42-24195-81	Pressure Control, 0.50" WC	
080915	42-24196-81	Pressure Control, For UGRA UGFD 90RS	
083251	42-24196-82	Pressure Control	
083259	42-24196-83	Pressure Control	
081061	42-24196-84	Pressure Control	
082670	42-24197-01	Dual Pressure Control, -0.80" & -1.30" WC	
141506	47-103670-06	Low Pressure Control	
031417	47-21604-03	Pressure Switch	
138441	SP20313	Pressure Switch	
162415	42-102070-05	Pressure Switch	

**Ruud Heating & AC Repair Parts**

**Ignition Controls & Other Boards**

**Control Boards**

Part #	Mfg #	Description	Price
129524	47-100436-02	Control Board for X-13 Motor	
115784	47-102090-82	Control Board for UARL	
163875	47-102090-93	Control Board Kit - Communicating	
186557	47-102077-03	Control Board - ECM	
129219	62-102635-81	Control Board	
110554	62-102636-01	Integrated Furnace Control Board	
133313	62-102860-01	Integrated Control Board	
127527	62-103189-01	Integrated Furnace Control Board	
145473	62-103565-01	Integrated Furnace Control Board	
145475	62-103578-01	Inducer Control Board	
160036	62-104058-02	Integrated Furnace Control Board	
162408	62-104059-01	Integrated Furnace Control Board	
241754	62-104061-04	Integrated Furnace Control Board	
222724	62-105217-01	Integrated Furnace Control Board	
241741	62-106321-01	Integrated Furnace Control Board	
150560	62-23599-05	Integrated Furnace Control Board	
081759	62-24140-04	Integrated Furnace Control Board Direct Spark	
093116	62-24174-02	Modulating Control Board	
082900	62-24268-03	Hot Surface Igniter and Integrated Furnace Control	
115091	62-25338-01	Control Board	
071437	62-42506-02	Integrated Furnace Control Board	
033177	62-25341-81	Integrated Furnace Control Board	

**Fan Control Board**



47-22827-83

Part #	Mfg #	Description	Price
009374	47-22445-01	Fan Control Board	
009386	47-22827-83	Fan Control Board	
009378	47-22481-81	Fan Control Board	

**Ignition Module**



Part #	Mfg #	Description	Price
127446	620044	5059-134 Ignition Module White-Rodgers 24V Intermittent Pilot Ignition	

**Ignition Control**



Part #	Mfg #	Description	Price
086472	62-24181-01	Ignition Control/Direct Spark Ignition	
053123	62-25078-02	Ignition Control	
009561	62-22578-01	Ignition Control Module - HSI	

**Igniters & Flame Sensors**

**Igniters**



Part #	Mfg #	Description	Price
145476	62-103541-01	Hot Surface Igniter	
009550	62-21747-02	Igniter	
009563	62-22669-92	Igniter	
009574	62-22868-93	Igniter	
051183	62-23556-03	Igniter	
137901	62-23556-08	Direct Spark Igniter	
137712	62-23556-10	Igniter	
119752	62-23556-82	Igniter	
051711	62-24141-04	Direct Spark Ignition (DSI)	
160039	62-24141-05	Direct Spark Ignition (DSI)	
042260	62-24164-01	Direct Spark Ignition (DSI)	
166512	SP20794	NG Igniter with Gasket and Mounting Screws	

**Transformer**



Part #	Mfg #	Description	Price
160017	46-24124-06	Transformer 120V	



**Ruud Heating & AC Repair Parts**

**Discharge Air Sensor**



Part #	Mfg #	Description	Price
154552	470023	Discharge Air Sensor	

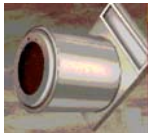
**Flame Sensor**



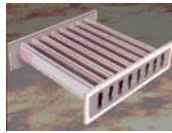
Part #	Mfg #	Description	Price
009582	62-23543-01	Flame Sensor Rod, 2-1/2"L Mnt Flg to Sensor Tip 1-9/16"L Sensor Offset 90° Angle Sensor Offset	
051177	62-23543-02	Flame Sensor Rod, 2-1/16"L Mnt Flg to Sensor Tip 1-13/16"L Sensor Offset 90° Angle Sensor	
128886	62-23543-06	Flame Sensor	
036437	62-24044-71	Non-Integrated w/ Mnt Brackets for Ribbon & Inshot Style Burners & 62-23543-01 Igniter	
141681	SP15129	Flame Sensor with Gasket and Mounting Screw	
144183	SP20172	Flammable Vapor Sensor Kit with Cap Plug	

**Heat Exchangers**

**Heat Exchanger**



Primary



Secondary



Turbulex

Part #	Mfg #	Description	Price
142996	AS-59066-89	Heat Exchanger	
092267	AS-61805-16	Heat Exchanger Assembly	
083242	AS-61805-17	Heat Exchanger Assembly	
110398	AS-61805-20	Heat Exchanger Assembly	
093422	AS-61849-16	Heat Exchanger	

**Traps & Connectors**

**Vent Transition**

Part #	Mfg #	Description	Price
080464	68-24047-10	Vent Transition	

**Condensate Trap Assembly**



Part #	Mfg #	Description	Price
009615	68-24048-01	Condensate Trap Assembly	
080873	68-100651-01	Trap Assembly for UGRK	
021617	68-24021-01	Pipe-Outlet Air	
160002	68-104346-01	Condensate Drain	

**Vent Termination Kit**

• For gas furnace



Part #	Mfg #	Description	Price
135776	SP20245	Concentric Vent Termination Kit for 3" PVC	

**Connection/Transition**

Part #	Mfg #	Description	Price
025662	68-24047-08	Connection/Transition	
125740	68-103061-01	Connection/Transition Assy	

**Trap**



Part #	Mfg #	Description	Price
009603	68-22732-01	PVC Trap	
020322	68-24120-01	Horizontal Trap	

**Trap Assembly Connector**

Part #	Mfg #	Description	Price
022339	68-24047-07	Trap Assembly Connector	
022340	68-24047-09	Trap Assembly Connector	



**Ruud Heating & AC Repair Parts**

**Furnace Accessories  
Gas Valve Conversion Kit**

Part #	Mfg #	Description	Price
031644	60-21193-02	White Rodgers 36E Series LP to Natural Gas Kit	
166053	60-22513-04	Honeywell VR8205 Series Natural Gas to LP	
031639	60-23430-03	Robertshaw 7200 Series LP to Natural Gas Kit	
243423	EP-94D	LP Conversion Kit	
058453	FP-15	Conversion Kit NAT/LPG	
151024	FP-31	HK LP Conversion Kit	
158962	FP-33	JC LP Conversion Kit for 1-Stage	
158963	FP-34	LP Conversion Kit for 2-Stage	
177590	FP-36	JR LP Conversion Kit for 1-Stage	
235100	FP-38	LP Conversion Kit for 1-Stage	
185112	FP-37	LP Conversion Kit	
158961	RXGY-ZK	Zero Clearance Downflow Conversion Kit	

**Filter Cores  
Filter Core**

Part #	Mfg #	Description	Price
149940	83-F48	Filter Core	
149943	83-H48	Filter Core	
149941	83-W48	Filter Core	
149942	83-W100	Filter Core	

**Solid Furnace Bottoms**



Part #	Mfg #	Description	Price
073627	AE-61874-01	AE-61874-01 Solid Bottom 14"	
022627	AE-61874-02	AE-61874-02 Solid Bottom 17"	
022628	AE-61874-03	AE-61874-03 Solid Bottom 21"	
073628	AE-61874-04	AE-61874-04 Solid Bottom 24"	

**Pilots & Orifices  
Orifice**



Part #	Mfg #	Description	Price
049438	62-22175-50	Orifice	

**Pilot**



Part #	Mfg #	Description	Price
009572	62-22864-82	Pilot	

**Pilot Burner**



Part #	Mfg #	Description	Price
038148	62-21609-01	Pilot Burner	

**Pilot Orifice**



Part #	Mfg #	Description	Price
009543	62-21489-01	Pilot Orifice	
009545	62-21612-02	Pilot Orifice	
009548	62-21743-05	Pilot Orifice	
009552	62-21883-01	Pilot Orifice	

**Pilot Safety**



Part #	Mfg #	Description	Price
009540	62-21426-02	Pilot Safety	

**Pilot Sensor**

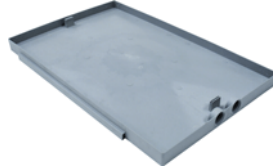


Part #	Mfg #	Description	Price
009549	62-21744-01	Pilot Sensor	
160037	62-23543-08	Flame Sensor	

**Ruud Heating & AC Repair Parts**

**Drain Pans**

**Drain Pan**



Part #	Mfg #	Description	Price
229624	68-101805-81	14" 4-Row Drain Pan	
159621	68-101805-82	17" Drain Pan Vertical 6 Row	

**Door Switches**

**Door Switch**



42-21268-04

Part #	Mfg #	Description	Price
050499	42-21268-04	Door Switch	
123748	42-22692-06	Push Button Door Switch	
125543	42-22692-09	Door Switch	
160012	42-22692-10	Door Switch	

**Burners**

Part #	Mfg #	Description	Price
035443	75-22840-02	Burner Tube - Inshot	
028110	75-24001-01	Burner Head Kit	
061420	AS-60993-03	Burner Halves Assembly	
103698	AS-60993-06	Burner	
043357	AS-61984-04	UGRA 1-Pc Burner	
043358	AS-61984-05	UGRA 1-Pc Burner	
043359	AS-61984-06	UGRA 1-Pc Burner	
043360	AS-61984-07	UGRA 1-Pc Burner	
043361	AS-61984-08	UGRA 1-Pc Burner	

**Burner Support**

Part #	Mfg #	Description	Price
111992	AE-61809-15	Burner Support	
109627	AE-61809-12	Burner Support	

**Anti-Vibration Pads**

**EVA Anti-Vibration Pad**

• 2"x2"x7/8"



Part #	Mfg #	Description	Price
156821	864011	2"x2" Anti-Vibration Pad	
156822	864013	4"x4" Anti-Vibration Pad	

**Miscellaneous**

**Blower Parts**



Part #	Mfg #	Description	Price
102437	70-42540-04	1" Shaft	

**Choke**



Part #	Mfg #	Description	Price
052335	46-24256-02	Power Factor Choke	

**Tubing**



Part #	Mfg #	Description	Price
020713	79-21491-83	Silicone Tubing	
162989	79-24182-83	Santoprene Tubing, 31-1/2"L, 2 Hose Clamps	
173578	79-21491-93	Silicone Tubing, 120"	

**Sheath Heater Kit**

Part #	Mfg #	Description	Price
037996	AS-58386-92	Sheath Heater Kit 3.5kW	

**Solenoid Assembly**

Part #	Mfg #	Description	Price
044160	61-25055-08	24V Solenoid Assembly	

**Ruud Heating & AC Repair Parts**

**Bearing**



Part #	Mfg #	Description	Price
097430	70-41854-02	Ball Bearing With Lock	

**OEM Neoprene Gasket**

- Suitable for temperature range of -70° to 250°F
- Meets UL94HFI and UL94HBF flammability tests



Part #	Mfg #	Description	Price
059148	68-22079-81	1-1/8"W 25'L 5/16" Thick	

**ShuBee Shoe Covers**

- Waterproof
- Box of 40 pairs



Part #	Mfg #	Color	Price
166026	849120	Dark Blue	

**Replacement Parts and Accessories**

Part #	Mfg #	Description	Price
111991	AE-61913-02	Overtemperature Switch Bracket	
145536	SP14410	Piezo Igniter with Bracket	
160006	68-104446-01	Parts Bag	
162200	45-22980-05	Button Plug	
107681	1000	FAST-STAT Wire Extender	
161388	AS-58922-01	Turbulator	
168203	6231	Cold Weather Kit - GEN15ADC-E, GEN16AD-E, GEN20AD-E	
180506	630500	SMART Flow Elbow	
230606	RXGY-J02	Sensor Kit - Outdoor	
047567	68-24022-02	Gasket - Outlet Air	



## Ruud Heating & AC Repair Parts

### Ruud Accessories

#### RXCT - Expansion Valve Conversion Kit

- Use to convert RCBA indoor coils to RCGA/RCGJ/RCHA and RCHJ coils



Part #	Mfg #	Description	Price
132107	RXCT-FBA	R410 Universal TXV Repl Kit	
133834	RXCT-EBA	TXV R22 Universal 2 Ton	
132108	RXCT-FBB	R410 Univ TXV Repl Kit	
132109	RXCT-FBC	Expansion Valve Kit	
132110	RXCT-FBD	TXV Universal Kit	

#### Controls

Part #	Mfg #	Description	Price
173851	RXAB-A07	High Pressure Control	
173850	RXAC-A07	Low Pressure Control	
130488	RXRZ-C02	Low Ambient Control	

#### RXGF - Media Air Cleaner



Part #	Mfg #	Outside Dimensions	Price
132422	RXGF-CB	Bottom Mount 24-1/4"W x 28-1/4"L x 3-1/2"H	
020727	RXGF-CC	Top Mount Filter Rack - Gas Downflow	
158964	RXGF-CD	Side Return Filter Rack - Gas Upflow	

#### External Filter Rack

- Upflow - Electric
- Duct configuration: Through
- Air opening inlet/outlet: 15-3/4" x 19-1/2"
- Housing overall: 17-1/2" x 21" x 3-5/8"
- Hinged door - opening on 17-1/2" side
- Replacement media dimensions: 16" x 20"



Part #	Mfg #	Description	Price
147301	RXHF-17	External Filter Rack - Electric Upflow	

### Ruud Accessories (Continued)

#### External Filter Rack

Part #	Mfg #	Description	Price
158306	RXHF-21	External Filter Rack - Electric Upflow	

#### RXMG - Label Kit

Part #	Mfg #	Description	Price
105390	RXMG-AU	Ruud Label Kit	
127216	RXMG-AY	WeatherKing Label Kit	

#### RXBH - Heater Kit



Part #	Mfg #	Description	Price
133645	RXBH-1724A18J	18kW 208-230/1/60	
133870	RXBH-1724A13J	12kW 208-230/1/60	

### Repair & Replacement Parts

Part #	Mfg #	Description	Price
236864	43-25136-21	4/440 Sngle Rnd Capacitor	

#### Drain Trap

Part #	Mfg #	Description	Price
125544	791000	Tubing Drain Trap	
125548	791001	Tubing Drain Trap	

#### Gas Valve



Part #	Mfg #	Description	Price
009506	60-22525-03	Gas Valve	
009507	60-22525-04	Gas Valve	
236634	60-102787-85	Gas Valve	
009508	60-22525-05	Gas Valve	



## Ruud Heating & AC Repair Parts

### 36J Series Gas Valve

- Natural gas
- 1/2" NPT
- Hot surface/direct spark



Part #	Mfg #	Description	Price
175965	60-103901-02	36J Series White Rodgers	

### Vent Damper



Part #	Mfg #	Description	Price
145411	AP15561	Vent Damper	

### Induced Draft Blower with Gasket

- Polymeric
- 460V
- 60Hz



Part #	Mfg #	Side of Discharge	Price
241412	70-42242-01	Left	

### Ignition Control



Part #	Mfg #	Description	Price
034342	62-24084-82	Ignition Control Board	

### Igniter



Part #	Mfg #	Description	Price
137361	AP14698B	NG Igniter Assembly	
137360	AP14700B	LP Igniter Assembly	

### Pressure Switches

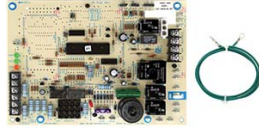
Part #	Mfg #	Description	Price
240688	42-105499-07	Pressure Switch	
240687	42-105499-09	Pressure Switch	
239326	42-105583-04	Pressure Switch	
239320	42-105583-08	Pressure Switch	
240691	42-105583-10	Pressure Switch	
240689	42-105583-11	Pressure Switch	
240690	42-105583-12	Pressure Switch	



## Furnace Accessories

### Ruud Furnace Accessories Integrated Furnace Control Board

- IFC



Part #	Mfg #	Description	Price
155291	62-102636-81	Integrated Control Board	
246259	62-105563-02	Integrated Control Board	

### Low Ambient Control

- Auto reset
- Low pressure limit
- Open pressure: 150 psig
- Close pressure: 275 psig
- Includes 36" capillary tube
- 1/4" Flare (Female SAE) connection size



Part #	Mfg #	Description	Price
090119	47-25343-82	Low Ambient Control	

### RXGP - Twinning Kit

Part #	Mfg #	Description	Price
138545	RXGP-F03	For Use w/Gas Furnaces for Parallel Operations	

### ERV/HRV - Vent Termination Kit

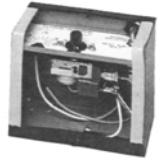
Part #	Mfg #	Description	Price
155994	84-ERVHRV	HEPA Vent Termination	

### RXGY - Vent Termination Kit

- For gas furnace

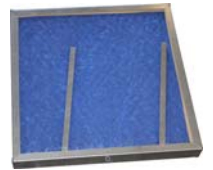
Part #	Mfg #	Description	Price
087666	RXGY-G01	Horizontal Vent Termination for 3" PVC	
097398	RXGY-G02	Horizontal Vent Termination for 2" PVC	
158960	RXGY-CK	Downflow/Horizontal Conversion Kit	

### RXPF - Fossil Fuel Kit



Part #	Mfg #	Description	Price
032692	RXPF-F01	Fossil Fuel Kit - Standard	

### RXRY - Filter Kit



Part #	Mfg #	Description	Price
085898	RXRY-B01	For Vertical or Horizontal Discharge in RQKA & RQMA	

### Furnace Repair & Replacement Parts Conversion Kit - NG - LP

Part #	Mfg #	Description	Price
025489	FP-02	Nat-LP Conversion Kit	
058453	FP-15	Nat-LP Conversion Kit	
100705	FP-21	Nat-LP Conversion Kit	
121685	FP-26	Nat-LP Conversion Kit	
129578	FP-27	Nat-LP Conversion Kit	
074120	60-21193-01	Nat-LP Conversion Kit	
083260	60-22513-03	Nat-LP Conversion Kit	
031641	60-23430-01	Nat-LP Conversion Kit	

### Enthalpy Sensor

- Direct replacement for 470008



Part #	Mfg #	Description	Price
124299	470011	Enthalpy Sensor	



## Ruud Heating & AC Repair Parts

### Motors

#### Motor Mount - Flex Bracket

- Torsion flex bracket



Part #	Mfg #	Description	Price
198041	DMB-1	Fits 5-1/2" Diameter Motors	
139342	DMB-3	Fits 5-1/2" Diameter Motors	

#### Multiple Horsepower Blower Motor

- Reversing plugs
- Extended thru bolts
- 36 inch leads
- Designed for 370 volt capacitors.
- Installs with all 48 mounting brackets.



Part #	Mfg #	Description	Price
198034	WG840463	1/6-1/2 HP-FLA 115V Blower Motor	
198035	WG840464	1/6-1/2 HP-FLA 208-230V Blower Motor	
198036	WG840466	1/5-3/4 HP-FLA 115V Blower Motor	
198037	WG840467	1/5-3/4 HP-FLA 208-230V Blower Motor	

#### Multiple Horsepower Condenser Fan Motors

- Reversing plugs
- Extended thru bolts
- 36 inch leads
- Designed for 370 volt capacitors
- Installs with all 48 frame mounting brackets.



Part #	Mfg #	Description	Price
198038	WG840465	1/6-1/3 HP-FLA 208-230V Condenser Fan Motor	
198039	WG840468	1/5-1/2 HP-FLA 208-230V Condenser Fan Motor	
198040	WG840469	1/6-1/2 HP-FLA 208-230V Condenser Fan Motor	

### Direct Drive Furnace Blower Motors

- Installed with standard 48 frame mounting brackets
- Quiet operator and electrically reversible
- Automatic Thermal Overload Protector
- Class B insulation
- 30in. leads and 60 HZ with low power consumption
- Standard 48 frame motor casing size
- Drain holes with plugs on both end plates
- Continuous air over
- 60 C Ambient Design with Extended Studs.



Part #	Mfg #	Description	Price
198021	WG840583	1/4 HP 4.6 FLA 115V Blower Motor	
198022	WG840584	1/4 HP 2.2FLA 208/230V Blower Motor	
198023	WG840585	1/3 HP 6.7 FLA 115V Blower Motor	
198024	WG840586	1/3 HP 2.9 FLA 208/230V Blower Motor	
198025	WG840587	1/2 HP 10.2 FLA 115V Blower Motor	
198026	WG840588	1/2 HP 5.0 FLA 208/230V Blower Motor	
198027	WG840589	3/4 HP 11.3 FLA 115V Blower Motor	
198028	WG840590	3/4 HP 5.4 FLA 208/230V Blower Motor	
206600	WG840595	1HP 12.6 FLA 115V Blower Motor	

### Single Speed Condenser Fan Motors

- Installs with all standard 48 frame mounting brackets
- Quiet operator and electrically reversible
- Includes Automatic Thermal Overload Protector
- Class B insulation
- 370V Capacitor
- Standard 48 frame motor casing size
- 2.5in. diameter hub rings included.



Part #	Mfg #	Description	Price
198029	WG840727	1/6 HP 1.3 FLA 208/230V Condenser Fan Motor	

## Ruud Heating & AC Repair Parts

### Motors (Continued)

#### Single Speed Condenser Fan Motors

Part #	Mfg #	Description	Price
198030	WG840728	1/4 HP 2.2 FLA 208/230V Condenser Fan Motor	
198031	WG840729	1/3 HP 2.8 FLA 208/230V Condenser Fan Motor	
198032	WG840730	1/2 HP 4.2 FLA 208/230V Condenser Fan Motor	
198033	WG840731	3/4 HP 4.5 FLA 208/230V Condenser Fan Motor	

### Parts & Accessories

#### Torque Plus - Hard Start Kit

- For all PSC single phase compressors from 1/2 to 10 H.P.
- For units that operate on 120 through 288 volts
- Automatically disconnected in .5 seconds if the compressor fails to start



Part #	Mfg #	Description	Price
198713	DST-5	300% Torque Multiplier	
198712	DST-6	500% Torque Multiplier	



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## Water Right Repair Parts

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### Installation Fittings

Part #	Mfg #	Description	Price
126558	CV-3007	1" PVC Male NPT 90° Assembly	
066030	CV-3007-02	1" Brass Sweat Assembly	
066031	CV-3007-03	3/4" Brass Sweat Assembly	
134871	CV-3007-12	3/4" Shark Bite Assembly	
129386	CV-3150	Split Ring	
121817	CV-3005-2	Spacer Stack Assembly	

### Replacement Parts

Part #	Mfg #	Description	Price
075129	CH1072-01	18" dia Salt Grid with 4" Hole	
073577	FP-60049	Plastic Bypass Assembly	
074255	CS-1448-RS	35 gal Replacement Membrane for WRO035	

### Accessories

Part #	Mfg #	Description	Price
101608	HT-5B	Water-Right Hardness Kit	
113671	FP60066	Brine Valve Water-Right	
148693	CU7002	Water Sample Bottle	
150670	RO12N	1.5# Softener Rust Out	
099934	VA-2	Better Air Gap	
192000	M-G20	W-R Gravel Per 1# Bag	

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## Watts Regulator Repair Parts

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### Dielectric Union Kits

#### 3000 Series Dielectric Union Gasket Kit

Part #	Mfg #	Model	Size	Price
030973	0881401	GAB KIT	3/4"	
030972	0881402	GAC KIT	1"	
030971	0881403	GAD KIT	1-1/4"	
030970	0881404	GAE KIT	1-1/2"	
030969	0881405	GAF KIT	2"	

## Weil McLain Repair Parts

### Weil-McLain Boiler Parts & Components

Part #	Mfg.#	Description	For	Price
241885	381-330-027	Ignition Board		
110792	382-200-449	Conversion Kit, NG, from Cycle Pilot System to Gold control HSI		
011885	382-930-216	10C523 Igniter Kit	VHE, HE II	
076751	383-500-345	Repair Plug Kit		
128037	383-500-603	(5) Ultra U-Control Module Fuses, 3A, Fast-Blow AG	F1	
145731	383-500-604	(5) Ultra U-Control Module Fuses, 12A, Slow-Blow AG	F2	
237635	383-500-665	Control Module - Ultra Series 1 & 2 Boilers		
129778	383-500-622	Heat Exchanger Replacement Kit	230	
129779	383-500-623	Heat Exchanger Replacement Kit	310	
128030	383-600-069	Low Water Cut-Off		
239617	383-900-064	Evergreen 220 LP Kit		
076395	389-900-203	WMCR-3 3 Zone Circulator Control		
045038	389-900-205	6 Zone Circulator Control		
138955	389-900-206	WMZV-4 4 Zone Valve Control		
136985	389-900-220	BCP-3 Hydronic Multi-Stage Boiler Control Panel		
011893	510-218-099	10C034 Tridicator Gauge, 2-1/2" Short Shank	GV, GO, CG Prior to Jan 2000	
101982	510-300-014	210°C Spill Switch with Reset	CG Sect/Base Series 1-12	
127719	510-312-015	High Limit Temperature Control	HE II, HE, VHE	
011899	510-312-166	10C053 Combination 120/24V Transformer-Relay Receptacle	CG, AHE, EGH, HE II, HE, PFG	
116334	510-312-218	Outdoor Temp Sensor		
038133	510-312-250	10C055 Limit Control & 1/2" Well	CG, CGm, EGH, PFG	
021051	510-312-312	10C567 Blower Motor Assembly	HE II, HE	
011904	510-312-317	10C579 Motor Repl Kit	VHE	
239431	510-312-361	399 MBH Blower Motor Assembly	7050-0118	
011909	510-350-223	10C072 Control Relay, DPST 24V	AHE, CG, EG, EGH, HEII, PFG	
032886	510-811-221	Pilot Assembly NG		
032887	510-811-222	Pilot Assembly Propane		
011913	510-811-362	NG-LP Conversion Kit	CG 25 - 6	
107651	510-811-502	24V Combination Ignition-Sensing Control Module		
022497	510-811-644	Pilot Assembly Kit		
011922	510-811-655	10C528 NG Valve	HE, HEII, VHE	
011923	510-811-656	10C529 Step Open LP Gas Valve	HE, HEII, VHE	
044138	511-044-382	Gas Valve 3/4" x 3/4" NG 10C489		
078890	511-114-479	63m Low Water Cut-off		
078891	511-114-526	w/McLain LWCO 150smd M&M 17180 672619142831		
059929	511-330-081	LP Pilot Burner Assembly		
011934	511-330-095	Ignition Module 10C486	CG, EG, EGH, PFG	
019926	511-330-184	Igniter Only 10C455	HE/VHE	
011943	511-330-186	Pilot Burner Assembly		
011944	511-330-192	Flame Sensor 10C188	HE, VHE	
011945	511-330-197	Pilot Burner	E38-2 24V	
073640	511-330-218	Pin Pilot Burner 10C481	CG	
064739	511-330-221	Pilot Burner Assembly with Ignition Lead and Orifice PSE-NA16		
011947	511-624-510	Switch .95 Pressure Switch 3-5 2, 000'-4, 000' 10C213	HE	
011948	511-624-514	Pressure Switch 51.2 Pressure Switch VHE 2000'-4000' 10C215		

## Weil McLain Repair Parts

### Weil-McLain Boiler Parts & Components (Continued)

Part #	Mfg.#	Description	For	Price
074480	511-724-259	Thermopile for EG-75		
038426	511-724-274	Main Flame Sensor		
011956	512-050-230	Thermal Fuse 10C257	CG, EG, HE, PFG, VHE	
056344	512-200-000	Steel Burner Tube		
056346	512-200-001	Steel Burner Tube with Bracket		
118676	512-200-035	Burner	HE VHE CGi	
011958	512-200-045	Pilot Burner 10B867		
127431	540-131-052	X100 Sentinel Corrosion Inhibitor Kit		
127432	540-131-053	X100 Sentinel Corrosion Inhibitor Kit		
127433	540-131-054	X100 Sentinel Corrosion Inhibitor Kit		
011968	560-742-860	Pilot Tubing		
020911	590-317-610	Blower Gasket		
015274	590-735-140	1/2" x 100" Glass Rope 10B985		
086820	591-200-000	Cover Plate Gasket/Insulation		
239521	591-222-025	Front Base Insulation		
114285	591-706-200	Heat Exchanger Cleaning Tool		
011981	591-706-214	Flue Brush 11B146		
011985	592-800-011	2" Square Cut Seal		
127434	592-900-002	Sentinel X-100 Corrosion Inhibitor Concentrate		
127632	592-900-003	X400 Cleaner		
239853	633-600-012	AcuTemp Thermostat Repair Kit	Series 2	
059875	633-900-102	Thermostat with Cover Plate Kit for Plus Water Heaters		
094665	633-900-130	Gold Plus Thermostat Kit		
011986	635-100-010	Kit Thermostat Plus		

### Vent Damper

Part #	Mfg.#	Description	Price
019945	381-800-474	4" Vent Damper	
019946	381-800-475	10C081 5" Vent Damper for EG30/35	
019944	381-800-476	6" Damper Assembly CGM,EG	
019947	381-800-477	7" Damper Assembly CGM,EG,PFG	
030770	381-800-478	10C478 8" Vent Damper for EG65/75	

### CGa Series Accessories

Part #	Mfg.#	Description	For	Price
146736	381-357-313	Pilot less Ignition for Natural Gas Boilers	CGa-8	
049683	450-021-245	CGa-7 Draft Hood Vertical		
032392	450-021-246	CGa-8 Draft Hood Vertical		
242387	510-811-946	NG-LP Conversion Kit	CGa 25 - CGa 7	
242388	510-811-947	LP Kit	CGa-8	
050610	512-200-077	CGa Main Stainless Steel Burner Tube		
065995	512-200-079	CGa Stainless Steel Burner with Pilot Bracket LP		

## Weil McLain Repair Parts

### CGi Series Accessories

Part #	Mfg.#	Description	For	Price
058742	511-330-090	Control Module with 10 Second Pre-purge		
064887	510-312-167	Transformer		
059928	511-330-080	Pilot Assembly Kit NG		

### CGm Series Accessories

Part #	Mfg.#	Description	For	Price
041152	511-044-256	NG Valve	CGm 7-8	

### CGs Series Accessories

Part #	Mfg.#	Description	For	Price
017582	311-103-818	Intermediate Section Assembly		

### CGt Series Accessories

Part #	Mfg.#	Description	For	Price
112055	380-000-000	Combination Pressure-Temperature Gauge Kit, 60° - 360°F	CGt Series	

### PFG Series Accessories

Part #	Mfg.#	Description	For	Price
011912	510-512-337	Vent Damper Motor Operator		
024710	511-044-287	NG Control Valve, 1" x 1" NPT	PFG	

### Ultra Series Accessories

Part #	Mfg.#	Description	For	Price
109058	383-500-021	Time Delay/Relay Box		
066027	383-500-025	Gas Valve Kit	Ultra 155	
066028	383-500-030	Gas Valve/Venturi Kit	Ultra 230	
066022	383-500-035	Blower Assembly	Ultra 155	
066024	383-500-040	Blower Assembly	Ultra 230	
066039	383-500-045	Ignition Electrode Kit	Ultra 80 & 105	
066042	383-500-055	Flue Temperature Sensor Replacement Kit		
066040	383-500-085	Burner Replacement Kit	Ultra 155	
130501	383-500-095	Watts #330 300 psi Pressure Relief Valve, ASME		
120566	383-500-105	3" Vent Termination Bird Screen	Ultra 80, 105, & 155	
105545	383-500-110	4" Vent Termination Bird Screen	Ultra 230 & 310	
066021	383-500-125	Outdoor Temperature Sensor		
066017	383-500-195	115VAC / 24VAC, 50-60Hz, 50 VA Honeywell Transformer		
093857	383-500-210	Pressure/Temperature Gauge Assembly		
143606	383-500-235	5 Amp Fast-Blow Fuses	Circulator Circuit 5/Pk	
143607	383-500-240	4 Amp Slow-Blow Fuses	24-Volt Circuit 5/Pk	
086818	383-500-250	Cover Plate Gasket/Insulation	Ultra 155, 230, & 310	
086819	383-500-255	Cover Plate Gasket	Ultra 155, 230, & 310	
074417	383-500-360	Blower Assembly Kit	Ultra 310	
074418	383-500-390	Gas Valve/Venturi Kit	Ultra 310	

## Weil McLain Repair Parts

### Weil-McLain Boiler Parts & Components (Continued) Ultra Series Accessories

Part #	Mfg.#	Description	For	Price
133205	383-500-395	Cover Plate Replacement Kit	Ultra 155 & 230	
116337	383-500-408	Display Board/Bracket Assembly	Ultra 155/230	
121565	383-500-600	Flue Temperature Sensor Replacement Kit		
116333	383-500-601	System Temperature Sensors		
116331	383-500-602	Return/Supply Sensor Kit, (1) Sensor		
120435	383-500-605	Maintenance Kit	Ultra 80 and 105	
120436	383-500-620	Maintenance Kit	Ultra 155, 230, 299, & 399	
129776	383-500-621	Heat Exchanger Kit	Ultra 155	
120152	383-500-628	120V/24V Transformer		
133206	383-500-630	Pressure/Temperature Gauge Assembly		
130577	383-500-649	Ultra Easy-Up Manifold Kit, 1-1/4" Piping	UG 80 & 105	
133204	383-500-650	Blower Assembly Kit	Ultra 399	
133203	383-500-652	Gas Valve Kit	Ultra 399	
127630	383-500-658	Control Module		
127885	383-500-659	Display Board Assembly		
074410	383-501-027	Blower Assembly Kit	Ultra 80 & 105	
074411	383-501-029	Gas Valve/Venturi Kit	Ultra 80	
074413	383-501-030	Gas Valve/Venturi Kit	Ultra 105	
125176	511-100-005	LWCO with Harness & Test Button		
090744	511-405-133	Taco 0014 Boiler Circulator, less Flanges	Ultra 155, 230, & 310	
107709	590-317-310	Gasket Cork		

### Ultra Commercial Series Accessories

Part #	Mfg.#	Description	For	Price
127629	383-600-065	Watts 174A 80 psi Relief Valve, 3/4" x 3/4", 1,400 mbh Capacity		
143176	383-600-079	Maintenance Kit		

### WM97+ Series Accessories

Part #	Mfg.#	Description	For	Price
146863	383-700-113	Igniter, Gasket and Screw	WM97+ 70 & 110	
146859	383-700-139	Ignition Control	WM97+ 70 & 110	
146870	383-700-157	Piping Assembly Blower & Clip	WM97+ 70 & 110	
146871	383-700-159	Piping Assembly Gas Valve	WM97+ 70	
146872	383-700-160	Piping Assembly Gas Valve	WM97+ 110	
146860	511-724-292	Flue Sensor	WM97+ 70 & 110	
146861	511-724-296	Water Temperature Sensor	WM97+ 70 & 110	
146864	511-802-015	50VA Transformer	WM97+ 70 & 110	

### GV Series Accessories

Part #	Mfg.#	Description	For	Price
011874	382-200-325	Burner Replacement Kit	GV4 & GV90+4	
011875	382-200-330	Burner Replacement Kit	GV5 & GV90+5	
011877	382-200-340	Blower Assembly		

## Weil McLain Repair Parts

### Weil-McLain Boiler Parts & Components (Continued) GV Series Accessories

Part #	Mfg.#	Description	For	Price
011878	382-200-345	Blower Motor Kit 10C380		
011879	382-200-350	Vent 90 10C387		
011881	382-200-375	Switch Kit 10C403	GV90	
011882	382-200-385	Hose Trap Kit		
030451	382-200-410	Boiler Gas Valve 10C399		
065429	382-200-411	Gas Valve Kit GV Series 4		
043582	382-200-448	Ignition Control Module (GV Series 1,2&3) 10C400		
011896	510-312-019	10C411 Limit Control		
050453	510-312-021	Limit Control w/1/2" Well	GV Ser 1, 2, 3 Sect Assy	
011941	511-330-148	Ignition Kit 10C402		
011949	511-624-520	Pressure Switch 10C382	GV	
011955	511-842-370	Transformer 10C401	GV	

### EG/EGH Series Accessories

Part #	Mfg.#	Description	For	Price
239732	321-711-115	Section Assy for EGH 95 Boiler		
239733	381-700-246	42-1/2" Base Panel for EGH 95 Boiler		
239734	381-700-506	Base Assy for EGH 95 Boilers		
035079	381-800-677	EG75 SPDN Boiler Water Trim No Tankless Option		
035078	381-800-675	EGH-30 to 65 Water Trim		
239736	411-800-271	Jacket Assy Carton for EGH-95 Boilers		
239738	450-014-751	Collector Hood for EGH-95 Boilers		
239737	450-206-241	Draft Hood for EGH Series Boiler		
011892	510-218-097	10C526 Tridicator, 2-1/2" Long Shank	EG Series 1-4 Section Base Assy	
074482	511-724-255	36" Thermocouple with Spade Terminal Block	EG 75, EGH 85 & 95	
011966	560-528-985	LP Gas Pilot Orifice		
074479	590-850-561	5" Lead Wire	EG 75	

### Sentinel Series Accessories

Part #	Mfg #	Description	Price
127435	592-900-005	Sentinel X100 Quik Test Kit	

### Ultra Oil Accessories

Part #	Mfg #	Description	Price
066035	383-500-300	Water Temperature Sensor Kit	
066012	389-900-180	Wall Mount Kit	

## Westinghouse/Philco Repair Parts

### Blower Wheels

Part #	Mfg #	Description	Price
241795	622683	1/2" HP, CCWLE	
245085	667187R	Draft Inducer Blower Wheel	
119974	667207	10-3/4" x 10", CW	
119975	667251	10" x 6", CW	
245205	667252R	10" x 7", CW	
119976	667258R	11" x 8", CCWLE	
119977	667280	11" x 10", CCW	
119979	667374	11" x 8", CW	

### Defrost Boards

Part #	Mfg #	Description	Price
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### Burners

Part #	Mfg #	Description	Price
134174	660921	Burner L1	
134173	661128	Inshot Burner G7T	
242549	M0062414R	Burner Box Kit for Use with Ignitor 10177435	

### Capacitors

Part #	Mfg #	Description	Price
146433	01-0024	10mfd, 370V Round Capacitor	
119928	622135	15mfd, 370V Round Capacitor	
136994	622545	10mfd, 370V Round Capacitor	

### Contactors

Part #	Mfg #	Description	Price
139778	621661	25A, 1-Pole	
139779	621662	35A, 1-Pole	
246424	1014866R	24VAC, 2-Pole, 25 FLA	

### Control Boards

Part #	Mfg #	Description	Price
242566	624689R	Interface Module	
133371	904531	Board All Units	
129223	920915	Control Board G7	
130336	920916	Control Board G7	
128774	920920	Board Direct Torque	

### Control Modules

Part #	Mfg #	Description	Price
139792	624651	Comfort Alert Module New	
120743	903106	Control Module for G4 G5 G6 Models	



## Westinghouse/Philco Repair Parts

### Defrost Boards (Continued)

Part #	Mfg #	Description	Price
147380	920338	Defrost Board Adaptive	
127634	917178A	Defrost Board	

### Door Switches

Part #	Mfg #	Description	Price
119950	632125	Door Switch	

### Fan Blades

Part #	Mfg #	Description	Price
139796	667261	Fan Blade	
139797	667318	Fan Blade f/S3QC Series 3 Ton Only	
139784	667319	Fan Blade 2 Blade 24 OD 27p CW 1/2 1200	
139783	667351	Fan Blade 2 Blade 24 OD 25p CW 1/2	
240945	667357R	Fan 3-Blade, 24 OD, 18P, CW 1/2, 1200	
139798	667383	24" CW 3W 20° Fan Blade	

### Flame Sensors

Part #	Mfg #	Description	Price
120728	903600	Flame Sensor (old #632396)	

### Igniters

Part #	Mfg #	Description	Price
120726	903758	Replacement Igniter Kit	
134164	921074	Igniter Replacement Kit G7/GC2	
119987	904839	Igniter Assembly for G7 (New# Is 921074)	
241821	1017743S	Replacement Igniter SI NI G7	

### Limit Controls

Part #	Mfg #	Description	Price
120741	626350	Vent Limit 260°F	
120733	626418	Limit 150/20°F	
120735	626419	Limit 195/20°F	
120736	626425	Limit 210/20°F	
120734	626434	3" Limit 180/20°F	
120749	626435	Limit 220/20°F	
120737	626449	3" Limit 250/20°F	
120744	626461	Vent Limit 160°F	
136184	626522	Main Limit Switch	

### Limit Controls (Continued)

Part #	Mfg #	Description	Price
119934	626541	Switch Blower Limit G7	
119941	626561	Main Air Limit G7	
119945	626563	Main Air Limit G7	
145504	626598	Main Air Limit SD054, 072	
144772	626599	Limit Switch 1/2d, 1s, or 16	
145498	626611	Blower Limit KG7SD	

### Lineset Fittings

Part #	Mfg #	Description	Price
131551	664378	Liquid Lineset Fitting	

### Motors

Part #	Mfg #	Description	Price
139793	621952	A/C Fan Motor	
139795	621917	Fan Motor for FS3BA048	
139794	621919	PSC K 1/10 6p 1-Spd CWLE Fan Motor	
139788	622018	PSC 1/4 hp CWLE Fan Motor for 15 SEER	
139782	622066	PSC K 1/4 hp CWLE 6p 1-Spd Fan Motor	
139781	622080	1/4 hp CWLE Fan Motor	
139780	622171	.05 hp CWLE 2 Ton Motor	
130637	622264	Blower Motor 1/2hp 3-Spd	
246090	634632R	Repl, Harness, B3VM, Motor	
245861	634826	Fan Motor Power Wire HRN	
245863	634827	Fan Motor Control Wirehar	
143885	904502	Motor 1/3 3-Spd 115V	
206946	902042	Blower Motor 1/8 HP/115V	
120723	903111	Venter Motor 80% With Gasket	
134163	903962	Venter Motor w/Gasket	
134161	904085	Venter Motor GL1RC	
135437	903404	Inducer Motor	
119983	904796	Inducer Motor G7	
119985	904798	Inducer Motor G7	
119991	904857	Blower Motor G7	
119992	904858	Blower Motor G7	
119993	904859	Blower Motor G7	
119994	904860	Blower Motor G7	
241599	1007729	Condenser Fan Motor	

### Orifices

Part #	Mfg #	Description	Price
149071	664067	Orifice #67	

## Westinghouse/Philco Repair Parts

### Orifices (Continued)

Part #	Mfg #	Description	Price
149073	664071	Orifice #71	
245346	151885R	1" Inducer Orifice	

### Pressure Switches

Part #	Mfg #	Description	Price
120746	632302	Pressure Switch Vent for G6D	
139791	632393	Low Pressure Switch 39" (5CO-20CI) 632393	
120780	632444	Pressure Switch NO 1.75 Close 1.55 Open	
139785	632473	High Pressure Switch	
119953	632484	Sensor Flame G7	
119954	632487	Pressure Switch	
119955	632489	Pressure Switch G7	
119956	632491	Pressure Switch Condensate G7	
119958	632493	Pressure Switch Inducer G7	
119960	632499	Pressure Switch G7	
119961	632514	Pressure Switch G7 Variable Speed Downflow	
119962	632515	Pressure Switch G7 Variable Speed Downflow	
119963	632516	Pressure Switch	
119966	632521	Pressure Switch G7	
134165	632546	Pressure Switch Inducer 1.0 for FG7TC	
134168	632547	Pressure Switch G7 Fixed Condensate	
134166	632548	Pressure Switch	
134167	632550	Pressure Switch G7	
134169	632554	Pressure Switch	
130948	632561	Pressure Switch for Fg7	
130950	632563	Pressure Switch for Fg7	
130951	632565	Pressure Switch for Fg7	
130952	632567	Pressure Switch for Fg7	
130953	632594	Pressure Switch 40 Close .20 Open Long Run for iQ Furnace	
122723	632571	Pressure Switch G7	
134010	632585	Pressure Switch	
145499	632622	Pressure Switch for M7	
145500	632624	Pressure Switch for M7	
240803	1016291R	Pressure Switch No. 0.85	
240804	1016292	Pressure Switch No. 0.85	
240802	1016293R	Pressure Switch No. 0.85	

### Plugs

Part #	Mfg #	Description	Price
240979	631756R	12 Pin Male Plug	
239631	634715R	Molded Plug 56" Leads	

### Relays

Part #	Mfg #	Description	Price
139790	621931	Relay Blower	
242942	1017206	AC Relay Kit	
243133	1017207	DC Relay Kit	

### Restrictors

Part #	Mfg #	Description	Price
149069	664048	1.5T Restrictor .048	
149070	664056	2T Restrictor .056	
149072	664061	2.5T Restrictor .061	
149074	664076	4T Restrictor .076	

### Roll-out Switches

Part #	Mfg #	Description	Price
120731	626343	Switch Roll-out 300f	
119938	626558	Roll-out Switch G7	
119939	626559	Roll-out Switch G7	
119940	626560	Roll-out Switch G7	
145497	626609	Roll-out Switch SD038	
145505	626610	Roll-out Switch SD054,072	

### Transformers

Part #	Mfg #	Description	Price
134170	622341	Transformer 40VA/120/24	
134175	622396	Transformer 60 VA for 23 SEER Coil	

### Tubing

Part #	Mfg #	Description	Price
119925	263967	High Temperature Tubing 3/16 36" Long	

### Valves Gas Valve

Part #	Mfg #	Description	Price
119930	624652	Gas Valve 2-Stage for TC TI G7	
130954	624703	Gas Valve for iQ Furnace	
143845	624787	Gas Valve 2-Stage for Fg7	

## Westinghouse/Philco Repair Parts

### Valves (Continued)

#### Gas Valve

Part #	Mfg #	Description	Price
143844	904081	Gas Valve	
144173	921691	Gas Valve Kit with Harness	

#### Service Valves

Part #	Mfg #	Description	Price
139777	663862	Valve Liquid 3/8"	
139786	663864	Valve Suction 3/4" for FS5BD18-36	
133428	663963	Valve Ball 7/8" for FS4BD48-60, FT4B42-6	

#### TXV Valves

Part #	Mfg #	Description	Price
134244	669681	TXV for C6BAX24	
134245	669682	TXV for C6BAX30	
134246	669683	TXV for C6BAX35 And 36	
134247	669684	TXV for C6BAX42	
134250	669686	TXV for C6BAX60	
134249	669852	TXV R-410A 4.0 Ton	

### Parts & Repair

Part #	Mfg #	Description	Price
243108	2B6462R	Coil Guard 24" Lgtn Bolt	
239223	276921	Cover, Control, Panel, AC&HP	
245674	286802R	FRU, SOW, AH, VS	
241050	294941R	12" Duct Collar Kit	
241051	294942R	14" Duct Collar Kit	
240668	297217R	Blower Housing	
244460	624811R	Repl. Coresense Module	
119951	632261	3 Amp Fuse	
119952	632269	5 Amp Fuse	
119981	664435	Drain Assy Upflow/Inline	
145506	664659	PVC Trap KG7SD	
242155	902809	Nordyne Blower	
134162	904573	Inducer for 95% With Gasket	
119986	904799	Blower Kit Inducer G7 Var Sp Downflow	
143415	904986	Replacement Parts Kit	
130955	904800	Induced Draft Blower FG7MQ	
245613	904804	Header Box with Gasket	
240920	919707D	Coil Assy, 030, B5BW, FRU	
131416	920994	Blower Control, Cons CFM, Vs Downflow	

### Parts & Repair (Continued)

Part #	Mfg #	Description	Price
239078	921852	Blwer, B6BM, 1/8, 10X6, 1.5-2T	
243685	922178	Comp-Cope, ZR48K5E-TF5-800	
243666	1010439R	Pressure 2X No. .7/- .2B	

**Repair Parts: White Rodgers**

**Repair Parts**

**Surface (Strap-On) Type Hydronic Control**

- Sensing element has twice the contact area of competitive models.
- Hydraulic action element can be mounted in any position – no leveling required.
- Dustproof steel case.
- Special screw terminals with “ears” securely hold solid and stranded wires.
- Includes pipe strap and mounting screws.



Part #	Mfg #	Description	Price
191159	WR11272	100 to 240°F Range	

**Well Immersion Single Control**

- Types for Use as High Limit, Reverse Action or SPDT Switching
- Action: May be Mounted Either Horizontal or Vertical
- Extra capillary length for extended shank wells.
- Special screw terminals with “ears” securely hold solid and stranded wires.
- Screwdriver-adjustable differential with direct-read indicator.
- Knockouts on top and bottom and plenty of wiring room.
- Hydraulic action element – fast acting.



Part #	Mfg #	Description	Price
191160	WR1131102	Tapered Bulbs, SPDT Action	
193675	WR11D181	Open on Rise Action	

**Hydronic Zone Valves**

- Two Types of Valves, 2-Wire or 3-Wire, for Zoning Hydronic Systems Up to 50 PSI
- Quiet operation.
- Valve stem made of stainless steel.
- Automatic recycling manual operator shows valve position at all times.
- Built-in auxiliary contacts to control burner or circulator relay.
- Motor can be removed from valve assembly without draining system.



**2-Wire, 24V Valves With Screw Terminal Wiring Panel and Auxiliary Switch**

Part #	Mfg #	Description	Price
191161	WR1361103	1" I.D. 2-Wire Valve	

**Refrigeration Temperature Control**

- Provide Positive Control of Refrigeration Applications where Remote Control is Desired
- Hydraulic action element.
- Dustproof steel case with top and bottom knockouts.
- Temperature dial graduated in °F and °C and can be adjusted through cover.
- High electrical ratings allow operation of most equipment without use of relays or motor starters.



Part #	Mfg #	Description	Price
211476	WR1609101	-30 to +90°F Close on Rise	
191148	WR16879	-30 to +90°F SPDT	

**Electronic Temperature Control**

- Universal
- Refrigeration or Heating Applications
- Alarm Output with Selectable Delay
- No Common Wire Required



Part #	Mfg #	Description	Price
203630	WR16E09101	-40°F to 220°F SPDT	

**Repair Parts: White Rodgers**

**HotRod Universal Nitride Ignitor Upgrade Kit**

- 120V Nitride Upgrade Kit for Conversion of Silicon Carbide (Flat or Spiral)
- Robust Ignitor Design – for longer life and fewer callbacks – 5 year warranty
- Nitride Ignitor with 15.5" leads
- Universal mounting bracket and screw and ceramic wire nuts



Part #	Mfg #	Description	Price
210669	WR21D645PK	HotRod 5-Pack 15.5"	

**24A34 Series Electric Heat Sequencers**

- Replaces Honeywell, MARS, TOD, GEMLINE, Klixon (Texas Instruments).
- Any contacts (except M1 & M2) can be used as auxiliary contacts.
- 24V input control.
- Multi-poise mounting.
- Double quick-connect terminals for combination loads.



Part #	Mfg #	Description	Price
191180	WR24A341	24A34-1 Sequencer	
194547	WR24A3415	24A34-15 Heat Pump Control	
201195	WR24A342	24A34-2 Sequencer	

**36C Series Snap Open, Single Function, Standing Pilot Gas Valves**

- Electrical Rating: 0.23 amps
- Ambient Operating Range: -40 to +175°F (-40 to 79°C)
- Maximum Pressure Rating: 1/2 PSI (14.0" W.C.)
- Pilot Gas Connection: 1/4" compression fitting
- Pressure Tap: 1/8" N.P.T.



Part #	Mfg #	Description	Price
191162	WR36C03A410	120VAC 3/4" x 3/4" Gas Valve	
191175	WR36C03U333	750mV 1/2" x 3/4" Gas Valve	

**36H Series Gas Valves**

- Combination Multi-function Controls for a Wide Range of Applications.
- The 36H Combination Gas Control Valve is a Versatile Multifunction Control Designed to Meet the Requirements for Use with Intermittent Ignition Systems (Direct Ignition, Proven Pilot, HSI).
- Adjustable regulator.
- Quiet operation redundant design.
- Inlet/outlet screens.
- Tamper resistant screws.



Part #	Mfg #	Description	Price
202850	WR36H33412	24VAC 3/4" x 3/4" Gas Valve	

**36G, 36J Series Gas Valves**

- The 36G, 36J is a Combination Gas Control Valve Designed for Use with Non-Piloted Intermittent Ignition Systems.
- The Control is Designed to Meet Today's Maximum Capacity, Smaller Size and High Efficiency Gas Systems
- Inlet and outlet screens.
- Quiet redundant.
- Built-in pressure tap.
- Quick-connect terminals (1/4")



Part #	Mfg #	Description	Price
208011	WR36J22214	1/2" 1 Stage, Fast Opening	
203362	WR36J24214	1/2" 1 Stage, Slow Opening	
204950	WR36J54214	1/2" Two-Stage, Fast Opening	



**Repair Parts: White Rodgers**

**3F05 / 3L05 Series Adjustable Snap Disc Fan & Limit Controls**

- Adjustable Snap Disc Thermostat Allows You to Set the Temperature Set Point to Match Your Specific Needs which Simplifies Inventory
- ¼" quick connect terminals are standard.
- Reduces inventory while providing coverage for a wide range of temperature applications.
- Replaces the majority of fixed disc thermostats now on heating equipment and various appliances.
- 2 adjustable fan control models replace 7 fixed snap disc models.
- 5 adjustable limit control models replace 10 fixed snap disc models.



Part #	Mfg #	Description	Price
191150	WR3F052	140 - 180°F SPST Fan Control	
242995	WR3L053	210 - 250°F SPST Limit Control	

**Snap Disc Fan or Limit Controls**

- For Regulation of Fan, Blower or High Limit Safety Control



Part #	Mfg #	Description	Price
191152	WR3L01140	100°F Cut-in, 140°F Cut-out	

**Universal Heat Pump Defrost Control**

- Universal upgrade for single stage heat pump systems with a PSC fan Motor.
- Select from:  
pre-congured demand timed defrost routines or congure to replicate virtually any set up.
- Universal Replacement:  
Selectable demand or timed defrost. O or B reversing valve. Congures to any system.
- Easy Installation & Set Up:  
Universal mounting with rotating display. Pre-congured for major OEM brands. Integrated outdoor thermostat.
- Versitile Matrix Display:  
Access set up and diagnostic menus from any orientation.
- Compressor Protection:  
Brown out and short cycle protection plus. Hi/Low pressure inputs.
- Replacement Kit Contents:  
Defrost control board. Wiring harnesses. New coil and ambient temp thermistors. Mounting accessories and labels
- Timing Specifications:  
All timing is accurate to +/- 5% of nominal over the full temperature and voltage range at 60Hz. All timings are 20% longer when operated with 50Hz power supply.



Part #	Mfg #	Description	Price
218970	WR47D01U843	Universal Heat Pump Defrost	

**49P11-843 SURESWITCH™**

- Universal Electronic Upgrade for Mechanical Compressor Contactors.
- 5x Contactor Life, Sealed to Keep Out Ants and Debris
- Microprocessor controlled sealed compressor switching.
- Line voltage brownout protection, short cycle protection, tricolor LED displays.
- Heavy-duty lug connectors, zero chatter latching relay.
- Four-hole mounting matches mechanical contactors.
- Random start delay on power up and brownout recovery.
- Compressor test and cycle count by push-button.



Part #	Mfg #	Description	Price
209189	WR49P11843	Universal SURESWITCH™	

## Repair Parts: White Rodgers

### Pilot Relite Controls

- Generates spark pulse until flame is sensed through spark electrode.
- Begins sparking immediately if flame extinguishes.
- Rugged solid state module design.
- Spark plug or spike output configurations available.



Part #	Mfg #	Description	Price
208562	WR505923	Spark plug and 1/4" connectors	

### 50A55-743 Goodman Single Stage Integrated HSI Furnace Control

- Controls Gas Valve, Ignitor, Blower, Inducer, Humidifier(Both 120V & 24V Input), and Air Cleaner Replaces OEM Goodman and White-Rodgers Models
- Includes flash code diagnostics.
- Twinning connection.
- Fused to protect low voltage system transformer



Part #	Mfg #	Description	Price
211409	WR50A55743	1 Stage HSI Furnace Control	

### 50D50-842 Universal Direct Spark Ignition Control Kit

- Microprocessor Based Gas Ignition Control for Heating Appliance Using Either Natural or LP Gas. Proof of Flames is Accomplished. The Unit is Designed as a Direct Spark Ignition Source
- Color LED indicator for diagnostics.
- Program keys.
- 1/4" and 3/16" quick connect terminals.
- Damper interface.



Part #	Mfg #	Description	Price
196695	WR50D50842	Universal Spark Ignition Control	

### 50D50-843 Universal Proven Pilot Spark Control Kit

- Microprocessor Based Gas Ignition and Primary Safety Control.
- Designed for Interrupted Spark and Burner Supervision of All Gases.
- Used in Gas Fired Appliance Applications
- Field service replacement for most Honeywell, Robertshaw, Johnson Controls and UTEC Intermittent Pilot Ignition Controls.
- Provides ignition, proof of ignition and precise timing.
- Works with single rod or dual rod remote sensor.
- Color LED indicator for diagnostics.



Part #	Mfg #	Description	Price
196696	WR50D50843	Universal Pilot Spark Control Kit	

### 50T35-743 Goodman Silicon Carbide Integrated HSI Furnace Control

- Controls Gas Valve, Ignitor, Two-Speed Blower Motor, Inducer, Humidifier (Both 120v & 24v Input), and Air Cleaner. Replaces OEM Goodman, UTEC and TI Models
- Includes flash code diagnostics.
- Twinning.
- Includes mounting hole template.
- Fused to protect low voltage system transformers.
- Adjustable blower relay.
- 90+ furnace option



Part #	Mfg #	Description	Price
199654	WR50T35743	Integrated HSI Furnace Control	

### 57T01-843 Blower Time Delay Relay

- The 57T01-843 Time Delay Relay is for Use in Air Handlers Installed in Compressor-Run Air Conditioning and Heat Pump Systems to Delay the Blower Shut-Off After the Compressor has Shut Off.
- Allows residual cooled air to be blown into the controlled space, increasing the efficiency of the system in cooling.
- Depending on electrical hookup in a heat pump system, delay of blower shut-off could also occur in heating.



Part #	Mfg #	Description	Price
214640	WR57T01843	Blower Time Delay Relay	

**Repair Parts: White Rodgers**

**767A Series Silicon Carbide Hot Surface Ignitors**

- Multiple mounting styles.
- Works with 15, 17 or 45 second HSI systems.



Part #	Mfg #	Description	Price
195527	WR767A369	5.5"	
195523	WR767A370	5.25"	

**Fan Control Center**

- Transformer and Relay Combination for Easy Installation on a 4"x 4" Junction Box
- Line voltage connections pre-wired.
- Energy limiting class II transformer design.
- Color coded pre-stripped leads.
- Low voltage connections on terminal board.



Part #	Mfg #	Description	Price
191188	WR90113	SPDT 60 Hz 120V	

**WR/RBM Type 154 Contractors**

- Any position mounting.
- Interchangeable mounting plate.
- Low wattage coil.
- Double break contacts ensure positive make and break



Part #	Mfg #	Description	Price
239669	WR90165	30 Amp 208/240 Voltage AC	
211287	WR90171	40 Amp 120 Voltage AC	
206003	WR90172	40 Amp 208/240 Voltage AC	

**WR/RBM Type 122 Contractors**

- Low VA coil for cooler operation and increased life.
- Quiet operation.
- Universal style mounting bracket fits existing mounting holes.
- Double break contacts ensure positive make and break.
- Screw terminals or pressure connectors and double 1/4" quick connects provided on all models for easy installation.



Part #	Mfg #	Description	Price
191194	WR90245	30 Amp 120 Voltage AC	

**WR/RBM Type 84 Relays**

- Used for Switching Single or Two Speed Fan Motors, Solenoids, Relays, Resistive Loads and General Purpose Switching
- Compact, totally enclosed design.
- For heating and cooling applications and general switching.
- Quiet, reliable and economical.



Part #	Mfg #	Description	Price
194682	WR90293Q	SPDT 24 Coil Voltage AC	

**WR/RBM Type 91 Relays**

- A Two Pole Double Throw Semi-Enclosed Relay
- 90-340 Fits Fan Control Centers 90-112, 90-113, 90-118E and 90-119
- Easy to install.
- Suited for use in vending machines, appliances, heating and air conditioning applications and general purpose switching.



Part #	Mfg #	Description	Price
191192	WR90341	115/120 Coil Voltage	
191193	WR90342	208/240 Coil Voltage	

**WR/RBM Type 184 Relays**

- Heavy-Duty General Purpose Relay Operates in Any Position
- Compact, totally enclosed design.
- For heating and cooling applications and general switching.
- Quiet, reliable and economical



Part #	Mfg #	Description	Price
191190	WR90370	SPDT 24 Coil Voltage AC	



## Repair Parts: White Rodgers

### 24 Volt Secondary Class 2 Transformers Energy Limiting

- For Industrial, Heating and Air Conditioning Controls Applications
- Color coded primary leads.
- Multi-mount styles available.



Part #	Mfg #	Description	Price
191173	WR90T40F1	120V Foot-Mount	
191177	WR90T40M1	120V Universal Multi-Mount	
193285	WR90T40M3	120/208/240V Uni Multi-Mount	
191189	WR90T75C3	120/208/240V Foot-Mount	

### Thermostat Guards - Metal

- These Durable Metal Guards are Designed for Government, Military, Industrial and Educational Applications to Prevent Adjustment of the Temperature by Unauthorized Personnel
- Model F29-0220 fits ALL Emerson / White-Rodgers Thermostats.
- Each model furnished with one key and can be mounted vertically or horizontally.
- Tamper-resistant design. 18 gauge cover, 22 gauge frame.
- Beige enamel finish over heavy-duty steel enclosure.
- Models available in a ring or solid base.



Part #	Mfg #	Description	Price
201357	WRF290192	Solid Base Metal	
193243	WRF290222	Ring Base Metal	

### Thermostat Guards - Plastic

- These Durable Thermostat Guards are Designed for use in Offices, Churches, Restaurants and Other Public Areas to Prevent Adjustment of the Temperature by Unauthorized Personnel
- F29-0198 will accept ALL Emerson / White-Rodgers thermostat types.
- Each model furnished with one key and can be mounted vertically or horizontally.
- Clear plastic models for applications that need the thermostat visible.
- Opaque plastic models for applications that require the thermostat be kept hidden from view.
- Each model furnished with a ring and/or solid wall mounting plate.



Part #	Mfg #	Description	Price
191172	WRF290198	Clear Plastic	

### Wallplate for 90 series Blue Touchscreen thermostats

- 8-1/8"W x 5-3/8"H
- Classic White color
- For use with or without horizontal junction box.



Part #	Mfg #	Description	Price
197520	WRF612600	8-1/8" W x 5-3/8" H	

### Zone Valves - 1300 Series

- Valve Assemblies
- Water Seal Replacement Kit (Quad ring, "O" ring, Tru-arc ring and cotter pin)
- Motor Assemblies



Part #	Mfg #	Description	Price
12057	WRF840434	1" Valve Assemblies	
87789	WRF840435	1-1/4" Valve Assemblies	
202671	WRF920227	3/4" Water Seal Replacement	

**Repair Parts: White Rodgers**

**Universal Media Filter Replacements**

- FR- Filter Replacements



Part #	Mfg #	Description	Price
194955	WRFR1400	16" x 26" x 5"	
194956	WRFR2000	20" x 26" x 5"	

**H06E / F Series Universal Replacement Thermocouples**

- Specially Designed for Universal Replacement. Thermocouples are Priced Individually, Order Only in Multiples of 10
- Stainless steel element construction for prolonged thermocouple life.
- Each kit individually enclosed in plastic.
- Universal adapter fittings included with each kit for replacing thermocouple in most types of pilot burners.
- Visible instructions for quick, easy installation.
- Available in a variety of 10-packs in desired thermocouple lengths.
- Standard thermocouple 11/32" double lead thread.
- Replaces Honeywell Q34A, Johnson K19, Robersshaw 1980 and White-Rodgers H06E.



Part #	Mfg #	Description	Price
191167	WRH06E18	18" thermocouple	
191169	WRH06E30	30" thermocouple	
191170	WRH06E36	36" thermocouple	
191171	WRH06E48	48" thermocouple	

**Universal Two-Stage HSI Integrated Variable Speed (ECM) Furnace Control Kit**

- Kit Includes:
- Ignition Control Module
- Wiring Harnesses for Amana/Goodman
- Universal 120V Nitride Ignitor Kit - 21D64-2
- Installation Instructions and OEM Cross-Reference



Part #	Mfg #	Description	Price
202875	WR21V51U843	2 Stage HSI	

**36H Series Gas Valves**

- Combination Multi-function Controls for a Wide Range of Applications.
- The 36H Combination Gas Control Valve is a Versatile Multifunction
- Control Designed to Meet the Requirements for Use with Intermittent
- Ignition Systems (Direct Ignition, Proven Pilot, HSI). 36H is Our
- Highest Capacity Combination Gas Valve
- Adjustable regulator.
- Quiet operation redundant design.
- Inlet/outlet screens.
- Tamper resistant screws.



Part #	Mfg #	Description	Price
202851	WR36H32423	24 Volt 3/4"	

**Humidifier Timer**

- The White-Rodgers A02-0815-017 installation package includes:
- Flushing timer
- Power cord with AC adapter (plugs in to a 120v outlet)
- 15 feet of 3/8" ID tubing
- Mounting hardware
- Installation instructions
- Fittings and tubing clamps for installation on White-Rodgers units, as well as on other manufacturers humidifiers.



Part #	Mfg #	Description	Price
203019	WRA020815017	Humidifier Timer	

**Key For F29 Thermostat Guards**

- Key For F29 Thermostat Guards (Bag of 2)



Part #	Mfg #	Description	Price
198999	WRF1450999	2 Keys	

**Repair Parts: White Rodgers**

**Compact Zone Valves 13A00 Series - Power Head**

- Includes Seal Ring
- For 2-way Zone Valves
- Includes auxillary switch
- 24 VAC Power Head for 2 Way 13A00 Zone Valve with Conduit Hub for 13A02-101 & 13A02-102



Part #	Mfg #	Description	Price
242757	F19-0187	24 VAC Power Head	

**Board Mount Limit Controls**

- 1/2" Bimetal Disc with Ranges for Your System Needs
- Proven reliability in a compact, versatile, cost-effective design.
- Provides high-speed contact separation.
- OEM replacement for competitive models.



Part #	Mfg #	Description	Price
242999	WR3L098	180 Opens/160 Closes °F	
243000	WR3L0910	200 Opens/160 Closes °F	

**1/2" Disc Manual Reset Flame Rollout Limit Switches**

- This new line of limit switches complements our existing line of 1/2" automatic (3F11) fan controls & (3L11) limit controls and are offered in a broad range of temperature limit cut-outs to cover most heating applications.



Part #	Mfg #	Description	Price
243005	WR3L12250	250°F Cut-Out Temperature	
243007	WR3L12300	300°F Cut-Out Temperature	
243008	WR3L12350	350°F Cut-Out Temperature	



## Woodford Repair Parts

### Yard Hydrant Repair Parts

Part #	Mfg #	Description	Price
011648	10009	Upper Link for Y34/Y1/Y2	
011649	10011	Reducing Coupling for Y1/Y2/Y34/W34	
011658	10100	Packing Nut for Y1/Y2/Y34/W34	
011659	10101	Packing for Y1/Y2/Y34/W34	
011660	10102	Packing Support Washer for Y1/Y2/Y34/W34	
011662	10104	Brass Rod Stem for Y1/Y2/Y34/W34	
011678	15003	3/4 Head Assembly	

### Nozzle

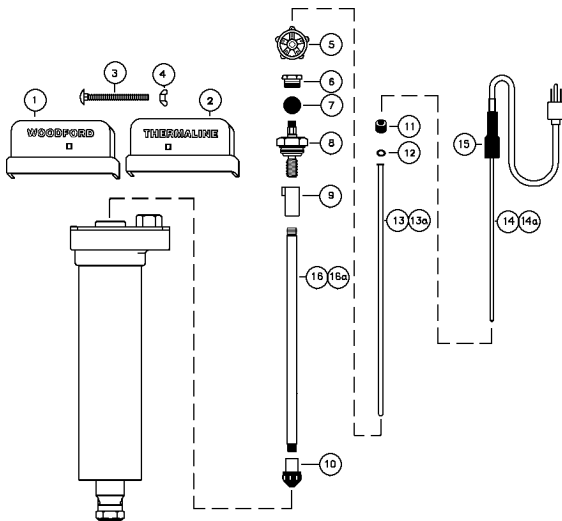
Part #	Mfg #	Description	Price
011646	10004	3/4" Brass Hose Nozzle for Y34/Y1/W34/X34/R34	
098547	55437	Nozzle for 70/71/B71/81	

### Plunger

Part #	Mfg #	Description	Price
011663	10105	Plunger for Y30/Y34/Y70/Y95/W34	
011664	10106	Plunger for Y1/Y2	

### Thermaline® Repair Parts

#### Thermaline® Parts



Part #	Mfg #	Description	Price
011747	85015	10 - Combination Valve Ass'y	

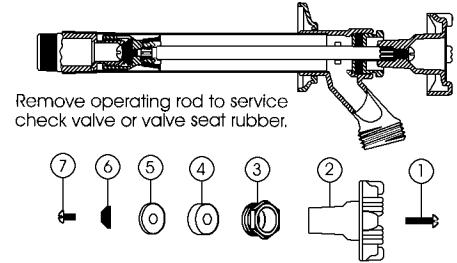
### Thermaline® Repair Parts (Continued)

#### Thermaline® Parts

Part #	Mfg #	Description	Price
011748	85062	14 - 2' Heater Assembly (Includes Item 15)	

### Repair Kits

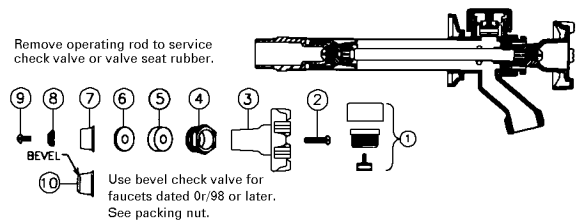
#### Repair Kit for 14/18 Wall Faucet



Part #	Mfg #	Description	Price
034143	RK14-MH	Repair Kit for 14/18 Includes 1-7, Metal Hdl	

#### Repair Kit for 17 Wall Faucet

- 35301 VB Float Kit
- 30002 Handle Screw
- 30099 Handle
- 30059 Packing Nut
- 30005 Packing
- 30421 Packing Washer
- 30418 Check Valve
- 30008 Valve Seat Rubber
- 30009 Retainer Screw
- 30459 Bevel Check Valve

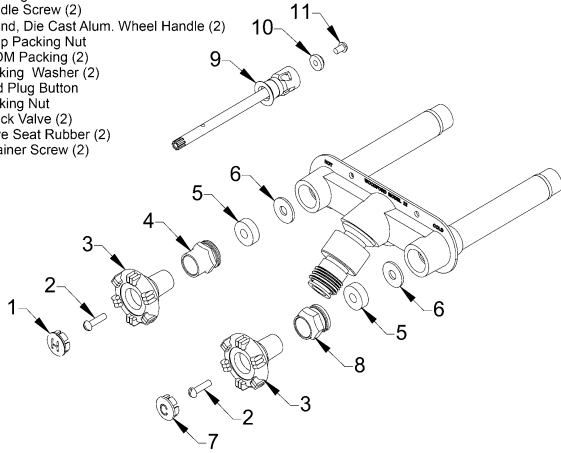


Part #	Mfg #	Description	Price
039455	RK-17	Repair Kit for 17 Includes 1-2, 4-10, 30099 Metal Hdl	

## Woodford Repair Parts

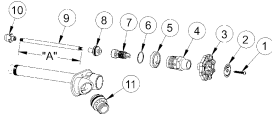
### Repair Kit for 22 Wall Faucet

1. 30566 Hot Plug Button
2. 30002 Handle Screw (2)
3. 30096 Round, Die Cast Alum. Wheel Handle (2)
4. 30497 Deep Packing Nut
5. 30560 EPDM Packing (2)
6. 30006 Packing Washer (2)
7. 30565 Cold Plug Button
8. 30059 Packing Nut
9. 30459 Check Valve (2)
10. 30008 Valve Seat Rubber (2)
11. 30009 Retainer Screw (2)



Part #	Mfg #	Description	Price
100876	RK-22MH	Repair Kit for 22 w/Metal Handle	

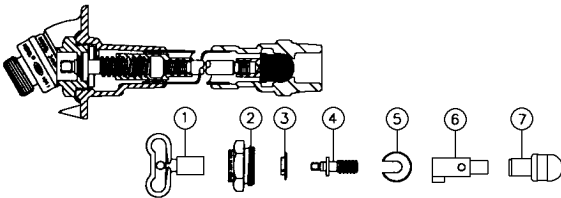
### Repair Kit for 25/27H Wall Faucet



Part #	Mfg #	Description	Price
032340	RK-25	Wheel Handle Repair 5/16" Square Shank	

### Repair Kit for 65 Wall Hydrant

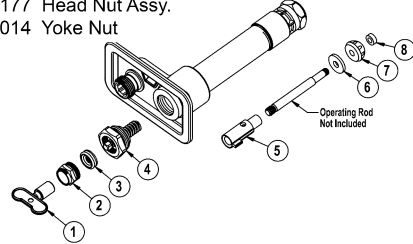
- |                      |                     |
|----------------------|---------------------|
| 1. 50009 Tee Key     | 5. 50251 "C" Washer |
| 2. 50264 Head Nut    | 6. 51014 Yoke Nut   |
| 3. 50252 Stem Washer | 7. 50250 Plunger    |
| 4. 55062 Stem Screw  |                     |



Part #	Mfg #	Description	Price
043118	RK-65	Chrome Repair Kit for 60/65/67 Includes 1-7	

### Repair Kit for 70 Wall Hydrant

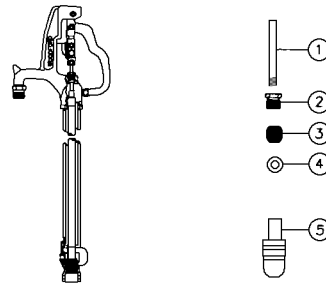
- |                         |                            |
|-------------------------|----------------------------|
| 1. 50009 Tee key        | 6. 50027 Support Washer    |
| 2. 30109 Packing Nut    | 7. 51013 Ball Valve Rubber |
| 3. 30247 Packing        | 8. 50028 Round Brass Nut   |
| 4. 55177 Head Nut Assy. |                            |
| 5. 51014 Yoke Nut       |                            |



Part #	Mfg #	Description	Price
055079	RK-70	Repair Kit for 70 & Obsolete Models 7/8/80/85/90/95	

### Repair Kit for Y34 Yard Hydrant

- |                      |                         |
|----------------------|-------------------------|
| 1. 10104 Rod Stem    | 4. 10102 Support Washer |
| 2. 10100 Packing Nut | 5. 10105 Plunger        |
| 3. 10101 Packing     |                         |



Part #	Mfg #	Description	Price
046472	RK-Y34	Includes 1-5	

### Individual Parts



Part #	Mfg #	Description	Price
025782	30008	Rubber Valve Seat	
025786	30109	Chrome Packing Nut	
011710	30230	Plunger Assembly for 25	
011712	30238	Stem Screw Delrin for 25	
011716	35280	Drain Valve Assembly for 20/25/27	
011723	50250	Plunger for All Auto Drain Hydrants	
019019	50251	"C" Washer All Auto Drain Hydrants	
024447	50252	Stem Washer for All Auto Drain Hydrants	
011726	51014	Yoke Nut for All Freezeless Wall Hydrants	



## Woodford Repair Parts

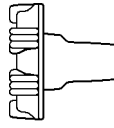
### Individual Parts (Continued)

Part #	Mfg #	Description	Price
011725	51013	Ball Valve Rubber	
112487	RH-MS	Roof Hydrant Mounting System	
116915	WF-MS	Mounting Sleeve for Models: 14, 16, 17 & 19	

### Handle



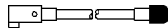
30096



30099

Part #	Mfg #	Description	Price
054339	30096	14/17 Metal Wheel Handle	
011708	30099	14/17/22 Metal Wheel Handle	
095886	30106	24 Unplated Metal Handle	
011711	30233	24 Brown Lexan Wheel Handle	
022301	30239	25 2" Metal Wheel Handle	

### Operating Rod Assembly



Part #	Mfg #	Description	Price
019023	55412	12" Operating Rod Assembly for Auto Drain (14-5/16" OAL)	

### Packing



Part #	Mfg #	Description	Price
072390	30512	Packing Nut with Stem Gd for 14/17	
080502	30560	EPDM Packing for 14/17/22	

### Rod Assembly

Part #	Mfg #	Description	Price
043133	35722	8" Wall Rod Assembly for 14/ 17/22/V22	
043888	WH35724	12" Wall Rod Assembly for 14/17/22/V22	

### Tee Key



RK-STK

Part #	Mfg #	Description	Price
011719	RK-STK	Tee Key, 1-3/4" Short for 5/16" Square Stem (50009)	
011720	RK-LTK	3-1/4" Long Tee Key for Square Stem (50010)	






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## Yellow Jacket Repair Parts

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### Parts

Part #	Mfg #	Description	Price
181738	41042	Titan Blue Handle w/ Screw	
181739	41044	Titan Red Handle w/ Screw	
181745	41080	Series 41 Rebuild Kit	
181746	41083	Brute II Rebuild Kit	
181797	41103	Brute II 3/8" Piston Assy	
181800	41123	1/4" Liquid Charging Adapter	
181801	41131	O-Rings, 10 Pak	
181802	41133	Complete Valve Piston	
181874	49010	2-1/2" Replacement Crystal for 49011, 49012	
181884	49100	3-1/8" Replacement Crystal	
204202	60349	Tension Spring	

## Zoeller Repair Parts

### Parts & Accessories

#### Simplex Electrical Control Panel

- Alarm horn
- Terminal strip
- Alarm float only
- NEMA 4X enclosure with hinged cover
- Horn silence switch to turn alarm on or off
- Receptacle for use with piggyback pump switch



Part #	Mfg #	Phase	Panel	Price
207659	10-1019	1	Plug-In	

#### Gasket



Part #	Mfg #	Description	Price
052983	267007	Gasket - Case/Cover	

#### Switch Assembly



004705

Part #	Mfg #	Description	Price
028971	004705	M53/98/72 Switch Assembly "50"	
052675	004892	ASM Rack Pk "50/90"AH	



## Drill Bits

### Shockwave® Driver Bit Sets

#### Shockwave™ 12PC Impact Drive Guide Set

**Includes:**

- (1) ECX™ Bit 1" #1
- (1) ECX™ Bit 1" #2
- (2) Phillips Bit 1" P2
- (1) Phillips Bit 1" P3
- (1) Slotted Bit 1" SL 1/4"
- (1) Slotted Bit 1" SL 3/16"
- (1) Square Bit 1" SQ2
- (1) TORX® Bit 1" T15
- (1) TORX® Bit 1" T20
- (1) TORX® Bit 1" T25
- (1) SHOCKWAVE™ 3 Magnetic bit tip holder



Part #	Mfg #	Description	Price
164158	48-32-4507	12PC Impact Drive Guide Set	

#### 18PC Shockwave™ Driver Bit Set

**Includes:**

- (1) Phillips bit 1" P1
- (1) Phillips bit 1" P2
- (1) Phillips bit 1" P3
- (1) Slotted bit 1" SL 1/4"
- (1) Slotted bit 1" SL 3/16"
- (1) Square bit 1" SQ1
- (1) Square bit 1" SQ2
- (2) Phillips bit 2" P2
- (1) Phillips bit 2" P3
- (2) Square bit 2" SQ2
- (1) Square bit 2" SQ3
- (1) TORX® 2" T15
- (1) TORX® bit 2" T20
- (1) 3 1/2" Phillips #2
- (1) 3 1/2" Square drive #2
- (1) Case with bulk storage container
- (1) SHOCKWAVE™ magnetic bit holder



Part #	Mfg #	Description	Price
161626	48-32-4403	18-Pc Driver Bit Set	

#### 29-Piece Shockwave® Impact Duty™ Driver Bit Set

**Includes:**

- Phillips bits:
  - 1" - (1) P1, (7) P2, (2) P3;
  - 2" Power - (2) P2, (1) P3
- Square bits:
  - 1" - (1) SQ1, (4) SQ2, (1) SQ3
  - 2" Power - (2) SQ2
- Torx® bits:
  - 1" - (1) T15, (1) T20, (1) T25
- Magnetic nut drivers: (1) 1/4" red, (1) 5/16" amber, (1) 3/8" blue
- (1) Magnetic bit holder
- (1) Case with bulk storage container



Part #	Mfg #	Description	Price
137578	48-32-4401	29-Pc Driver Bit Set	

#### 26-Piece Shockwave™ Drive and Fasten Set

**Includes:**

- Phillips bits:
  - 1"- (1) P1, (1) P2, (3) P3
  - 2"- (1) P2
- Square bits:
  - 1"- (1) SQ1, (2) SQ2,
  - (1) SQ3
  - 2"- (1) SQ2
- Torx® bits:
  - 1"- (2) T20, (2) T25, (1) T30
  - 2"- (1) T20, (1) T25
- 1/4" Hex to 3/8" square adapter (1)
- 1/4" Magnetic nut driver (1)
- Slotted bit 1" SL 3/16" (1)
- Drive Sockets:
  - (1) 3/8" Drive: 1/2" Socket,
  - (1) 3/8" Drive: 9/16" Socket
- Magnetic nut drivers:
  - (1) 3/8" Magnetic nut driver,
  - (1) 5/16" Magnetic nut driver
- (1) Shockwave™ compact magnetic bit holder



Part #	Mfg #	Description	Price
173708	48-32-4408	26-Pc Drive and Fasten Set	

#### 32-Piece Shockwave™ Driver Bit Set

**Includes:**

- Magnetic nut driver:
  - (1) 1/4", (1) 5/16"
- Phillips bits:
  - 1" (1) P1, (4) P2, (1) P3
  - 2" (2) P2
- Phillips reduced 1" PR2 bit
- Slotted:
  - 1" (1) #8, (1) #10
  - 2" (1) #10
- Square bits:
  - 1" (1) SQ1, (3) SQ2, (1) SQ3
  - 2" (1) SQ2
- Torx® bits:
  - 1" (1) T15, (2) T20, (2) T25, (1) T30
  - 2" (1) T20, (1) T25



Part #	Mfg #	Description	Price
173709	48-32-4004	32-Pc Driver Bit Set	

## Drill Bits

### 35-Piece Shockwave® Impact Duty™ Driver Bit Set

- Includes:
  - ECX™: 1" - (1) ECX1, (1) ECX2
  - Phillips bits:
    - 1" (1) P1, (2) P2, (1) P3;
    - 2" Power: (1) P1, (1) P2
    - 3-1/2" Power: (1) P2
  - Square bits:
    - 1" (1) SQ1, (2) SQ2, (1) SQ3
    - 2" Power: (1) SQ1, (1) SQ2, (1) SQ3
    - 3-1/2" Power: (1) SQ2
  - Torx® bits:
    - 2" Power: (1) T15, (1) T20, (1) T25, (1) T30
  - Slotted bits:
    - 2" Power: (1) SL1/8", (1) SL3/16", (1) SL1/4"
  - Magnetic nut drivers: (1) 1/4" red, (1) 5/16" amber, (1) 3/8" blue
  - Hex Shank Drill Bits:
    - 1/4" (1) 1/8", (1) 5/32", (1) 3/16", (1) 7/32", (1) 1/4"
  - Socket adapters: (1) 1/4" hex shank to 3/8" square (1) 1/4" hex shank to 1/2" square
  - (1) Magnetic bit holder
  - (1) Case with bulk storage container



Part #	Mfg #	Description	Price
140584	48-32-4402	35-Pc M/E Drill & Drive Set	

### 40-PC Shockwave™ Drill & Drive Set

- Includes:
  - (1) 1/2" Socket adapter
  - (1) 1/4" Magnetic nut driver
  - (1) 1/4" Shockwave Hex drive bit
  - (1) 1/8" Drill bit
  - (1) 3/16" Shockwave Hex drive bit
  - (1) 3/8" Magnetic nut driver
  - (1) 3/8" Socket adapter
  - (1) 5/16" Magnetic nut driver
  - (1) Shockwave™ Compact magnetic bit holder
  - Hex bits:
    - 1" (1) 1/4", (1) 1/8", (1) 3/16", (1) 5/32"
  - Phillips bits:
    - 1" (1) P1, (2) P2, (1) P3
    - 2" (4) P2, (1) P3
  - (1) Phillips reduced 1" PR2 bit
  - Slotted bits:
    - 1" (1) #10, (1) #8
    - 2" (1) #10
  - Square bits:
    - 1" (1) SQ1, (2) SQ2, (1) SQ3
    - 2" (1) SQ2, (1) SQ3
  - TORX® BITS:
    - 1" (1) T15, (1) T20, (2) T25
    - 2" (1) T20, (2) T25



Part #	Mfg #	Description	Price
173711	48-32-4006	40-Pc Driver Bit Set	

### 10-PC SHOCKWAVE™ Torx® Security Insert Bit Set

- Includes:
  - (1) T7 Security Insert Bit
  - (1) T8 Security Insert Bit
  - (1) T9 Security Insert Bit
  - (1) T10 Security Insert Bit
  - (1) T15 Security Insert Bit
  - (1) T20 Security Insert Bit
  - (1) T25 Security Insert Bit
  - (1) T30 Security Insert Bit
  - (1) T40 Security Insert Bit



Part #	Mfg #	Description	Price
237356	48-32-4618	10-Pc Insert Bit Set	

## Drill Bits

### 95-PC Drill & Drive Set

• Includes:

- (1) 1/16" Thunderbolt Black Oxide Drill Bit
- (1) 1/4" Magnetic Nut Driver
- (1) 1/4" Thunderbolt Black Oxide Drill Bit
- (1) 1/8" Thunderbolt Black Oxide Drill Bit
- (1) 3/16" Thunderbolt Black Oxide Drill Bit
- (1) 3/32" Thunderbolt Black Oxide Drill Bit
- (1) 5/16" Magnetic Nut Driver
- (1) 5/32" Thunderbolt Black Oxide Drill Bit
- (1) 5/64" Thunderbolt® Black Oxide Drill Bit
- (1) 7/64" Thunderbolt Black Oxide Drill Bit
- (2) Hex Bit 1" 1/16"
- (2) Hex Bit 1" 1/4"
- (2) Hex Bit 1" 3/16"
- (1) Hex Bit 1" 5/32"
- (1) Hex Bit 1" 9/64"
- (2) Hex Bit 1" 1/8"
- (2) Hex Bit 1" 3/32"
- (2) Hex Bit 1" 5/64"
- (2) Hex Bit 1" 7/64"
- (1) Magnetic Drive Guide
- (3) Phillips Bit 1" P1
- (10) Phillips Bit 1" P2
- (4) Phillips Bit 1" P3
- (3) Phillips Bit 1" PR2
- (1) Phillips Bit 2" P2
- (1) Pozidrive Bit 1"
- P2(1) Pozidrive Bit 1"
- P3(2) Slotted Bit 1" SL 1/4"
- (2) Slotted Bit 1" SL 1/8"
- (2) Slotted Bit 1" SL 3/16"
- (2) Slotted Bit 1" SL 7/64"
- (1) Slotted Bit 1" SL 9/32"
- (1) Slotted Bit 2" SL 3/16
- (3) Square Bit 1" SQ1
- (8) Square Bit 1" SQ2
- (3) Square Bit 1" SQ3
- (1) Square Bit 2" SQ2
- (2) TORX® Bit 1"
- x10(2) TORX® Bit 1" T15
- (3) TORX® Bit 1" T20
- (3) TORX® Bit 1" T25
- (2) TORX® Bit 1" T27
- (2) TORX® Bit 1" T30
- (2) TORX® Bit 1" T40
- (2) TORX® Bit 1" T9
- (1) TORX® Bit 2" T20
- (1) TORX® Bit 2" T25



Part #	Mfg #	Description	Price
219317	48-89-1561	95-Pc Drill and Drive Set	

### 36-Piece Shockwave™ Driver Bit Set

• Includes:

- (1) 1/4" Insert magnetic nut driver
- (1) 3/8" Socket adapter
- (1) 5/16" Insert magnetic nut driver
- (1) Shockwave™ 6" Magnetic bit tip holder
- (1) Shockwave™ Compact magnetic bit holder
- Hex bits:
- 1" (1) 1/4", (1) 1/8", (1) 3/16", (1) 3/32", (1) 5/32", (1) 5/64", (1) 7/64", (1) 9/64"
- Phillips bits:
- 1" (1) P1, (3) P2, (1) P3
- (1) Phillips reduced 1" PR2 bit
- Slotted bits:
- 1" (2) #10, (1) #12, (1) #8
- Square bits:
- 1" (1) SQ1, (1) SQ3
- Torx® bits:
- 1" (1) T10, (1) T15, (2) T20, (2) T25, (1) T27, (1) T30, (1) T40



Part #	Mfg #	Description	Price
173710	48-32-4005	36-Pc Driver Bit Set	

### 10-Piece SHOCKWAVE™ Hex Bit Set



Part #	Mfg #	Description	Price
164160	48-89-4445	10-Pc Hex Bit Set	

### 10-Piece SHOCKWAVE™ RED HELIX™ Titanium Drill Bit Set

• Includes:

- (1) 1/8" Titanium SHOCKWAVE™ (48-89-4605)
- (1) 9/64" Titanium SHOCKWAVE™ (48-89-4606)
- (1) 5/32" Titanium SHOCKWAVE™ (48-89-4607)
- (1) 11/64" Titanium SHOCKWAVE™ (48-89-4608)
- (1) 3/16" Titanium SHOCKWAVE™ (48-89-4609)
- (1) 7/32" Titanium SHOCKWAVE™ (48-89-4611)
- (1) 1/4" Titanium SHOCKWAVE™ (48-89-4613)
- (1) 5/16" Titanium SHOCKWAVE™ (48-89-4617)
- (1) 3/8" Titanium SHOCKWAVE™ (48-89-4621)

Part #	Mfg #	Description	Price
242614	48-89-4633	10Pc RED HELIX™	

## Drill Bits

### SHOCKWAVE™ Impact Hex Drill Bit

- Extreme durability
- Fast, accurate drilling
- Corrosion resistant
- 1/4" Hex power groove shank offers quick bit changes



Part#	Mfg#	Length	Diameter	Price
164179	48-89-4405	2.62"	1/8"	
164180	48-89-4407	2.72"	5/32"	
164181	48-89-4409	2.80"	3/16"	
164182	48-89-4411	2.90"	7/32"	
164183	48-89-4413	3.00"	1/4"	
164184	48-89-4414		5/16"	

### SHOCKWAVE™ Magnetic Bit Tip Holder



Part #	Mfg #	Size	Price
141230	48-32-4503	3"	
169681	48-32-4508	3" (Guide Sleeve w/ C-Ring)	
188311	48-32-4511	6"	

### Titanium SHOCKWAVE™ Drill Bit

- RED HELIX™
- Titanium coating
- 135° Split point
- 1/4" Hex



Part#	Mfg#	Length	Diameter	Price
237346	48-89-4601	2-1/4"	1/16"	
237348	48-89-4606	2.63"	9/64"	
237347	48-89-4603	2.38"	3/32"	
237349	48-89-4621	4.65"	3/8"	
237350	48-89-4629	5.12"	1/2"	

### 15-Pc Titanium SHOCKWAVE™ Drill Bit Kit

- (1) 1/16" Titanium SHOCKWAVE™ (48-89-4601)
- (1) 5/64" Titanium SHOCKWAVE™ (48-89-4602)
- (1) 3/32" Titanium SHOCKWAVE™ (48-89-4603)
- (1) 7/64" Titanium SHOCKWAVE™ (48-89-4604)
- (2) 1/8" Titanium SHOCKWAVE™ (48-89-4605)
- (1) 9/64" Titanium SHOCKWAVE™ (48-89-4606)
- (1) 5/32" Titanium SHOCKWAVE™ (48-89-4607)
- (2) 3/16" Titanium SHOCKWAVE™ (48-89-4609)
- (1) 7/32" Titanium SHOCKWAVE™ (48-89-4611)
- (1) 1/4" Titanium SHOCKWAVE™ (48-89-4613)
- (1) 5/16" Titanium SHOCKWAVE™ (48-89-4617)
- (1) 3/8" Titanium SHOCKWAVE™ (48-89-4621)
- (1) 1/2" Titanium SHOCKWAVE™ (48-89-4629)



Part #	Mfg #	Description	Price
219060	48-89-4630	15-Piece Kit	

### Thunderbolt® Bits

#### Thunderbolt® Drill Bit Set



Part #	Mfg #	Description	Price
137838	48-89-2803	15-Pc Black Oxide Bit Set	
154239	48-89-2801	21-Pc Black Oxide Bit Set	



## Drill Bits

### 20-Pc Thunderbolt® Titanium Drill Bit Set

- Includes:
- (2) 1/16" Titanium Coated Drill Bit (48-89-2201)
- (2) 5/64" Titanium Coated Drill Bit (48-89-2202)
- (2) 3/32" Titanium Coated Drill Bit (48-89-2203)
- (2) 7/64" Titanium Coated Drill Bit (48-89-2204)
- (2) 1/8" Titanium Coated Drill Bit (48-89-2205)
- (1) 9/64" Titanium Coated Drill Bit (48-89-2206)
- (1) 5/32" Titanium Coated Drill Bit (48-89-2207)
- (1) 11/64" Titanium Coated Drill Bit (48-89-2208)
- (1) 3/16" Titanium Coated Drill Bit (48-89-2209)
- (1) 13/64" Titanium Coated Drill Bit (48-89-2210)
- (1) 7/32" Titanium Coated Drill Bit (48-89-2211)
- (1) 1/4" Titanium Coated Drill Bit (48-89-2213)
- (1) 5/16" Titanium Coated Drill Bit (48-89-2217)
- (1) 3/8" Titanium Coated Drill Bit (48-89-2221)
- (1) 1/2 Titanium Coated Drill Bit (48-89-2229)



Part #	Mfg #	Description	Price
185383	48-89-1105	20-Pc Titanium Bit Set	

### 14-Pc Thunderbolt® Titanium Drill Bit Set

- Includes:
- (1) 1/16" Thunderbolt® Titanium Drill Bit (48-89-2201)
- (1) 5/64" Thunderbolt® Titanium Drill Bit (48-89-2202)
- (1) 3/32" Thunderbolt® Titanium Drill Bit (48-89-2203)
- (1) 7/64" Thunderbolt® Titanium Drill Bit (48-89-2204)
- (2) 1/8" Thunderbolt® Titanium Drill Bit (48-89-2205)
- (1) 9/64" Thunderbolt® Titanium Drill Bit (48-89-2206)
- (1) 5/32" Thunderbolt® Titanium Drill Bit (48-89-2207)
- (1) 3/16" Thunderbolt® Titanium Drill Bit (48-89-2209)
- (1) 7/32" Thunderbolt® Titanium Drill Bit (48-89-2211)
- (1) 1/4" Thunderbolt® Titanium Drill Bit (48-89-2213)
- (1) 5/16" Thunderbolt® Titanium Drill Bit (48-89-2217)
- (1) 3/8" Thunderbolt® Titanium Drill Bit (48-89-2221)
- (1) 1/2 Thunderbolt® Titanium Drill Bit (48-89-2229)



Part #	Mfg #	Description	Price
146916	48-89-0011	14-Pc Titanium Bit Set	

### 29-Pc Thunderbolt® Titanium Drill Bit Set

- (1) 1/16" Thunderbolt® Titanium Drill Bit (48-89-2201)
- (1) 5/64" Thunderbolt® Titanium Drill Bit (48-89-2202)
- (1) 3/32" Thunderbolt® Titanium Drill Bit (48-89-2203)
- (1) 7/64" Thunderbolt® Titanium Drill Bit (48-89-2204)
- (1) 1/8" Thunderbolt® Titanium Drill Bit (48-89-2205)
- (1) 9/64" Thunderbolt® Titanium Drill Bit (48-89-2206)
- (1) 5/32" Thunderbolt® Titanium Drill Bit (48-89-2207)
- (1) 11/64" Thunderbolt® Titanium Drill Bit (48-89-2208)
- (1) 3/16" Thunderbolt® Titanium Drill Bit (48-89-2209)
- (1) 13/64" Thunderbolt® Titanium Drill Bit (48-89-2210)
- (1) 7/32" Thunderbolt® Titanium Drill Bit (48-89-2211)
- (1) 15/64" Thunderbolt® Titanium Drill Bit (48-89-2212)
- (1) 1/4" Thunderbolt® Titanium Drill Bit (48-89-2213)
- (1) 17/64" Thunderbolt® Titanium Drill Bit (48-89-2214)
- (1) 9/32" Thunderbolt® Titanium Drill Bit (48-89-2215)
- (1) 19/64" Thunderbolt® Titanium Drill Bit (48-89-2216)
- (1) 5/16" Thunderbolt® Titanium Drill Bit (48-89-2217)
- (1) 21/64" Thunderbolt® Titanium Drill Bit (48-89-2218)
- (1) 11/32" Thunderbolt® Titanium Drill Bit (48-89-2219)
- (1) 23/64" Thunderbolt® Titanium Drill Bit (48-89-2220)
- (1) 3/8" Thunderbolt® Titanium Drill Bit (48-89-2221)
- (1) 25/64" Thunderbolt® Titanium Drill Bit (48-89-2222)
- (1) 13/32" Thunderbolt® Titanium Drill Bit (48-89-2223)
- (1) 27/64" Thunderbolt® Titanium Drill Bit (48-89-2224)
- (1) 7/16" Thunderbolt® Titanium Drill Bit (48-89-2225)
- (1) 29/64" Thunderbolt® Titanium Drill Bit (48-89-2226)
- (1) 15/32" Thunderbolt® Titanium Drill Bit (48-89-2227)
- (1) 31/64" Thunderbolt® Titanium Drill Bit (48-89-2228)
- (1) 1/2 Thunderbolt® Titanium Drill Bit (48-89-2229)



Part #	Mfg #	Description	Price
161240	48-89-0012	29-Pc Titanium Bit Set	

### Thunderbolt® Black Oxide Drill Bit

- Provides longer life and faster drill times
- Parabolic flute clears chips faster
- 135° Split point, precision start no walking



Part #	Mfg #	Diameter	Price
137807	48-89-2710	1/16"	
137808	48-89-2711	5/64"	
137809	48-89-2712	3/32"	
137810	48-89-2713	7/64"	
137812	48-89-2714	1/8"	
137813	48-89-2715	9/64"	
137815	48-89-2716	5/32"	
137816	48-89-2717	11/64"	
137817	48-89-2718	3/16"	
137818	48-89-2719	13/64"	

## Drill Bits

### Thunderbolt® Bits (Continued)

#### Thunderbolt® Black Oxide Drill Bit

Part #	Mfg #	Diameter	Price
137819	48-89-2720	7/32"	
137820	48-89-2721	15/64"	
137821	48-89-2722	1/4"	
137822	48-89-2723	17/64"	
137823	48-89-2724	9/32"	
137824	48-89-2725	19/64"	
137825	48-89-2726	5/16"	
137826	48-89-2727	21/64"	
137827	48-89-2728	11/32"	
137828	48-89-2729	23/64"	
137829	48-89-2730	3/8"	
137830	48-89-2731	25/64"	
137831	48-89-2732	13/32"	
137832	48-89-2733	27/64"	
137833	48-89-2734	7/16"	
137834	48-89-2735	29/64"	
137835	48-89-2736	15/32"	
137836	48-89-2737	31/64"	
137837	48-89-2738	1/2"	

#### Thunderbolt® Aircraft Length Black Oxide Drill Bit

- Provides longer life and faster drill times
- Parabolic flute clears chips faster
- 135° Split point, precision start no walking

Part #	Mfg #	Diameter	Price
138278	48-89-2772	1/4" x 12"	

### Bits & Accessories

#### Flat Boring Bit

- Fluted bit clears chips
- Bores cleaner and faster
- Furnished with hole for use in wire pulling
- Flats for secure chuck grip
- Precision made of high carbon steel



Part #	Mfg #	Shank Dia	Overall Length	Price
006918	48-27-0371	3/8" x 6"	Flat Boring Bit	
170327	48-27-0621	5/8" x 6"	Flat Boring Bit	
006924	48-27-0871	7/8" x 6"	Flat Boring Bit	
006925	48-27-1001	1" x 6"	Flat Boring Bit	
170328	48-27-1121	1-1/8" x 6"	Flat Boring Bit	
170329	48-27-1251	1-1/4" x 6"	Flat Boring Bit	

### Bits & Accessories (Continued)

#### Flat Boring Bit

Part #	Mfg #	Shank Dia	Overall Length	Price
170330	48-27-1371	1-3/8" x 6"	Flat Boring Bit	
170331	48-27-1501	1-1/2" x 6"	Flat Boring Bit	
243046	48-27-0170	3/8" x 16"	Flat Boring Bit	

#### Bull Point SDS Plus Demolition Steel

- Carbide bits/masonry drill bits
- Bull point
- SDS-PLUS shank
- Made from forged high grade steel



Part #	Mfg #	Description	Price
178594	48-62-6010	10"	

#### Speed Feed Wood Bit

- Up to 10x faster drilling than flat boring bits
- Fast chip removal
- Clean holes
- 1/4" power groove shank fits all 1/4" extensions



Part #	Mfg #	Description	Price
170321	48-13-0048	1/2" x 6"	Speed Feed Wood Bit
170322	48-13-0058	5/8" x 6"	Speed Feed Wood Bit
170323	48-13-0068	3/4" x 6"	Speed Feed Wood Bit
170324	48-13-0078	7/8" x 6"	Speed Feed Wood Bit
170325	48-13-0088	1" x 6"	Speed Feed Wood Bit
170326	48-13-0108	1-1/4x6"	Speed Feed Wood Bit
146745	48-13-0400	6-1/2" (4 Pc)	

#### Ship Auger Bit

- Hardened, one-face 20° rake angle design
- Nonstick, polished and coated flutes
- Impact-rated shank: Strong enough to use with an impact wrench
- One line of Milwaukee® auger bits covers all applications and tools



Part#	Mfg#	Size	Price
169686	48-13-0753	3/4" x 6"	
169687	48-13-1003	1" x 6"	
144980	48-13-1123	1-1/8" x 6"	
221628	48-13-1503	1-1/2" x 6"	
169688	48-13-1253	1-1/4" x 6"	

## Drill Bits

### Bits & Accessories (Continued)

#### Ship Auger Bit

Part#	Mfg#	Size	Price
169693	48-13-6250	1-1/4" x 18"	
144861	48-13-1373	1-3/8" x 6"	

#### Spur Auger Bit

- Double wing spurs: Allow for fast, clean hole cutting
- Fast chip removal: Nonstick, polished and coated flutes eliminate costly cleaning time
- Impact-rated shank: Strong enough to use with an impact wrench
- One line of auger bits covers all applications and tools



Part#	Mfg#	Size	Price
145684	48-13-1250	1-1/4" x 6-1/2"	
232417	48-13-1500	1-1/2"X6-1/2"	

#### Boring Bit Sets

##### 8-Piece Universal Quik-Lok™ Flat Boring Bit Set

- Includes the Universal Quik-Lok™
- Double wing spurs
- 1/4" Quick change hex shank



Part #	Mfg #	Description	Price
137800	49-22-0175	8-Pc with 6" Extension	

##### Flat Boring Bit Kit

- Contains (6) popular size flat boring bits in heavy protective plastic
- In pockets for orderly storage and easy size selection



Part #	Mfg #	Sizes Include:	Price
006980	49-22-0071	3/8", 1/2", 5/8", 3/4", 7/8" & 1"	

#### 6-Piece SPEED FEED Wood Bit Set



Part #	Mfg #	Description	Price
170791	48-13-0600	6-1/2"	

#### Bit Kits

##### Contractor's Selffeed Bit Kit

- Includes:
  - (1) Extension
  - (1) 1" Selffeed Bit
  - (1) 1-1/8" Selffeed Bit
  - (1) 1-1/4" Selffeed Bit
  - (1) 1-1/2" Selffeed Bit
  - (1) 1-3/4" Selffeed Bit
  - (1) 2-1/8" Selffeed Bit
  - (1) 2-9/16" Selffeed Bit
  - (1) 5-1/2" One-Piece Shank and Coupling
  - (1) Carrying Case



Part #	Mfg #	Description	Price
006981	49-22-0130	7-Pc Kit	

##### Contractors' Bit Kit

- Assortment of self-feed bits for big hole drilling
- Includes impact resistant carrying case



Part #	Mfg #	Description	Price
006982	49-22-0135	1-3/8", 1-1/2", 2-1/8", 2-9/16"	

##### Plumbers' Bit Kit

- Includes 5-1/2" 1-piece shank and coupling extension and carrying case
- Includes:
  - Self-feed bits: 1-3/4", 2-1/8" & 2-9/16"
  - Auger bits: 7/8", 1-1/8", 1-1/4" & 1-1/2"



Part #	Mfg #	Sizes Include:	Price
140832	49-22-0065	Auger Bits & Self-feed Bits	

## Drill Bits

### Drill Accessories

#### Bellhanger Bit

- Aggressive tip geometry for faster drilling
- Coated flutes for fast chip removal
- Wire pulling hole
- 3-Flat shank



Part #	Mfg #	Dia	OAL	Price
138408	48-13-7125	1/4"	12"	
140014	48-13-7225	1/4"	18"	
169696	48-13-7237	3/8"	18"	
169821	48-13-7231	5/16"	18"	
138666	48-13-7325	1/4"	24"	
153612	48-13-7337	3/8"	24"	

#### Centering Bit

- Use with SDS-MAX and spline 1-Pc core bits to start drilling
- Centering tip to reduce bit walking and create exact spot drilling



Part #	Mfg #	Description	Price
189747	48-20-5495	For 1Pc Core Bits	

### Hole Saw Accessories

#### Rotary Hammer Bit

- SDS Shank



Part #	Mfg #	Size	Price
137647	48-20-7410	3/16" x 2" x 4"	
137648	48-20-7411	3/16" x 4" x 6"	
137649	48-20-7430	1/4" x 2" x 4"	
137650	48-20-7431	1/4" x 4" x 6"	
137651	48-20-7441	5/16" x 4" x 6"	
137652	48-20-7451	3/8" x 4" x 6"	
137653	48-20-7471	1/2" x 4" x 6"	

#### Switchblade™ Selffeed Bit



Part #	Mfg #	Description	Price
235679	48-25-5125	1-1/2"	

### Selffeed Bit

- Faster, more accurate drilling
- Clean holes
- Long-lasting performance



Part #	Mfg #	Description	Price
169683	48-25-1502	Selffeed Bit 1-1/2"	
169684	48-25-2122	Selffeed Bit 2-1/8"	
006905	48-25-1122	Selffeed Bit 1-1/8"	
006906	48-25-1252	Selffeed Bit 1-1/4"	
181958	48-25-1752	Selffeed Bit 1-3/4"	
006910	48-25-2002	Selffeed Bit 2"	
144970	48-25-2252	Selffeed Bit 2-1/4"	
006913	48-25-2562	Selffeed Bit 2-9/16"	
144171	48-25-5120	Selffeed Bit 1-3/8"	
144172	48-25-5140	Selffeed Bit 2-1/8"	
144174	48-25-5150	Selffeed Bit 2-9/16"	
006914	48-25-3621	Selffeed Bit 3-5/8"	
006915	48-25-4621	Selffeed Bit, 4-5/8"	

#### For 1/2" D-Handle & Larger Model Drill



Part #	Mfg #	Dia	Shank Type	Price
006907	48-25-1371	1-3/8"	7/16" Hex	
006911	48-25-2121	2-1/8"	7/16" Hex	

#### For 1/2" D-Handle & Larger Model Drill Except 1001-1 & 1007-1

Part #	Mfg #	Dia	Shank Type	Price
006912	48-25-2561	2-9/16"	7/16" Hex	

### Diamond Core Bit Pre-Stress

- Maximum speed
- High quality
- Versatile



Part #	Mfg #	Description	Price
159936	48-17-1060	6" Diamond Core Bit	
246058	48-17-2025	2-1/2" Diamond Wet Core Bit	
246059	48-17-2040	4" Diamond Wet Core Bit	



## Drill Bits

### Switchblade™ 5-Piece Plumbers' Kit

**Includes:**

- (4) Switchblade™ self-feed bit blades - 1-3/8", 1-1/2", 2-1/8" and 2-9/16"
- (1) Universal Quik-Lok® extension - 5-1/2" x 7/16"
- (1) Each replacement blades - 1-3/8", 1-1/2", 2-1/8", and 2-9/16"
- (4) Feed screws
- (4) Set screws
- (1) Hex wrench
- Removable storage case
- Compact carrying case with handle



Part #	Mfg #	Description	Price
149390	49-22-5100	5-Pc Switchblade Plumbers Kit	

### Replacement Switchblades



Part #	Mfg #	Description	Price
170832	48-25-5225	3-Pk, 1-1/2" Diameter	
144551	48-25-5420	Single Blade, 1-3/8" Diameter	
179631	48-25-5220	3-Pk, 1-3/8" Diameter	
169678	48-25-5320	10-Pk, 1-3/8" Diameter	
144552	48-25-5440	Single Blade, 2-1/8" Diameter	
146743	48-25-5240	3-Pk, 2-1/8" Diameter	
169549	48-25-5540	3-Pk, 2-1/8" Diameter	
169679	48-25-5340	10-Pk, 2-1/8" Diameter	
245442	48-25-5543	3-Pk, 2-1/4" Diameter	
169680	48-25-5350	10-Pk, 2-9/16" Diameter	
146744	48-25-5250	3-Pk, 2-9/16" Diameter	
169548	48-25-5550	3-Pk, 2-9/16" Diameter	
147445	48-25-5450	Single Blade, 2-9/16" Diameter	

### Replacement Feed Screw Kit

- For Switchblade™ selffeed bits
- Up to 2-9/16"
- Faster, more accurate drilling



Part #	Mfg #	Description	Price
150897	48-25-5275	Replacement Feed Screw Kit	

### Step Drill Bits

#### High Speed Steel Step Drill Bit

- Jam-Free performance
- Rapid Strike™ Tip
- Up to 4X longer bit life
- Up to 50% more holes per battery charge
- Laser-engraved reference marks
- 3-Flat Secure-Grip™ shanks



Part #	Mfg #	Size	# of Steps	Price
169382	48-89-9207	7/8" x 3/8"	1	
169191	48-89-9201	1/8"-1/2" x 1/32"	13	
169381	48-89-9202	3/16" - 1/2" x 1/16"	6	
169186	48-89-9203	1/4" - 3/4" x 1/16"	9	
169187	48-89-9204	3/16" - 7/8" x 1/16"	12	
169188	48-89-9206	3/8" - 1/2" x 1/16"	2	
169189	48-89-9208	7/8" - 1-1/8" x 3/8"	9	
169190	48-89-9209	7/8" - 1-1/8"	2	
169383	48-89-9211	7/8" - 1-7/32" x 3/8"	13	
169384	48-89-9212	7/8" - 1-3/8" x 3/8"	5	

#### 2-Piece Step Drill Bit Set

- Includes:
  - (1) 13-Hole bit (48-89-9100)
  - (1) 9-Hole bit (48-89-9105)



Part #	Mfg #	Description	Price
145131	48-89-9050	2-Pc Step Drill Bit Set	

#### 2-Piece #4 Step Drill Bit Set

- (2) #4 Step Drill Bit, 3/16" - 7/8" by 1/16" (48-89-9204)



Part #	Mfg #	Description	Price
178317	48-89-9234	2-Pc Step Drill Bit Set	

## Drill Bits

### 2-Piece #9 Step Drill Bit Set

- (2) #9 Step Drill Bit, 7/8" & 1-1/8" (48-89-9209)



Part #	Mfg #	Description	Price
178318	48-89-9239	2-Pc Step Drill Bit Set	

### 3-Piece Step Drill Bit Set

- Includes:
  - (1) 6-Hole bit (48-89-8955)
  - (1) 9-Hole bit (48-89-9105)
  - (1) 13-Hole bit (48-89-9100)



Part #	Mfg #	Description	Price
145130	48-89-8990	3-Pc Step Drill Bit Set	

### SDS Bits and Accessories

#### One Piece SDS-MAX Core Bit



Part #	Mfg #	Description	Price
242436	48-20-5412	2-5/8" x 11-3/8"	
243816	48-20-5470	3-1/8" x 11-3/8"	
243817	48-20-5482	4" x 11-3/8"	
243819	48-20-5490	6" x 22"	

#### One Piece SDS-MAX Tunnel Bit

- Centering tip
- Chisel and raker teeth
- Land and core thickness



Part #	Mfg #	Description	Price
244755	48-20-5312	2-1/8" x 22"	
244756	48-20-5318	2-1/2" x 22"	

### Core Bit With Center Bit

- Abrasion-resistant carbide teeth
- Centering bit eliminates slipping
- Use with 11" extension for extra-deep drilling
- Multipurpose SDS-MAX or spline shank: Interchangeable with a variety of drilling heads from 1-1/2" to 5"



Part #	Mfg #	Description	Price
166215	48-20-5092	2-1/8" Core Bit With Center Bit	

### SDS-PLUS Thin Wall Carbide Tipped Core Bit

- Thin wall design
- 2" Diameter
- Usable cutting depth 2-13/16"
- Use with 8" or 12" SDS PLUS adapter shanks (48-03-3555, 48-03-3561)
- Use with 7-1/2" extensions 48-95-6075
- Includes core body with guide plate & centering pin



Part #	Mfg #	Description	Price
163505	48-20-5035	SDS-PLUS Thin Wall Carbide Tipped Core Bit 2"	
163506	48-20-5050	SDS-PLUS Thin Wall Carbide Tipped Core Bit 3-1/2"	

### SDS-Max and SPLINE Thick Wall Carbide Tipped Core Bit

- Thick Wall Design
- Use with 12" or 18" SPLINE adapter shanks (48-00-3564, 48-03-3565) and 12" or 18" SDS-Max adapter shanks (48-03-3572, 48-03-3573)
- Use with 7-1/2" extension 48-95-6085
- Includes core body with guide plate & centering pin



Part #	Mfg #	Description	Price
164477	48-20-5130	1-3/4"	
159714	48-20-5140	2-1/2"	
155357	48-20-5150	3-1/2"	
162578	48-20-5155	4"	

### SDS-MAX to Spline Adapter

- Allows the use of SPLINE shank accessories in a SDS-Max shank rotary hammer



Part #	Mfg #	Description	Price
238466	48-03-3012	SDS-MAX to Spline Adapter	

## Drill Bits

### SDS-Max Bit

- SDS-Max shank
- 4-Cutter head
- Highest quality carbide
- Optimized flutes provide fastest debris extraction for faster drilling



Part #	Mfg #	Description	Price
154017	48-20-3918	SDS-Max Bit 5/8" x 21"	
236941	48-20-3992	SDS-Max Bit 1-3/4" x 23"	

### SDS-Plus 2CT Bit

- Enhanced rebar guards
- Breaker points lead to faster drilling speeds
- Variable flute for 20% more holes per charge
- Centering tip for exact spot drilling
- Wear mark indicators
- Reinforced flutes for minimized vibration & max durability



Part #	Mfg #	Description	Price
170315	48-20-7432	SDS-Plus 2CT 1/4" x 6" x 8"	
170316	48-20-7452	SDS-Plus 2CT 3/8" x 6" x 8"	
167611	48-20-7459	SDS-Plus 2CT 3/8" x 22" x 24"	
179485	48-20-7473	SDS-Plus 2CT 1/2" x 8" x 10"	
170317	48-20-7474	SDS-Plus 2CT 1/2" x 10" x 12"	
170318	48-20-7481	SDS-Plus 2CT 9/16" x 4" x 6"	
170319	48-20-7601	SDS-Plus 2CT 5/8" x 4" x 6"	
170320	48-20-7604	SDS-Plus 2CT 5/8" x 10" x 12"	
170314	48-20-7065	SDS-Plus 2CT 3/4" x 10" x 12"	
142705	48-20-7454	SDS-Plus 2CT 3/8" x 10" x 12"	
153951	48-20-7061	SDS-Plus 2CT 3/4" x 6" x 8"	

### SDS-Plus 4CT MX4™ Bit

- Enhanced rebar guards provide increased durability
- Breaker points lead to faster drilling speeds
- Variable flute for up to 20% more holes per charge in rotary hammers
- Centering tip for exact spot drilling
- Wear mark indicators to show end of life and when bit no longer meets the ANSI requirement
- Reinforced flutes for minimized vibration and maximum durability



Part #	Mfg #	Description	Price
152697	48-20-7206	5/8" x 16" x 18"	

### SDS Bit Assortment

- Includes:
  - 3/16" x 4-1/2"
  - 1/4" x 6"
  - 5/16" x 6"
  - 3/8" x 6"
  - 1/2" x 6"
- SDS Shank
- Carbide



Part #	Mfg #	Description	Price
137655	48-20-7490	5-Pc SDS Bit Set	

### SDS Bit - 44 Magnum™ Series

- 4-Fluted spiral shaft



Part #	Mfg #	Bit Dia	Overall Length	Drilling Depth	Price
137646	48-20-7401	5/32"	4"	6"	
137657	48-20-7602	5/8"	6"	8"	

### SDS Bit with 1/4" Hex

- 2-Cutter head
- SDS Shank w/ hex shoulder for Tap-Con screw system



Part #	Mfg #	Bit Dia	Overall Length	Drilling Depth	Price
137644	48-20-7091	5/32"	7"	4"	
137645	48-20-7092	3/16"	7"	4"	

### Spline Bit 4-Cutter

- 17" Drilling depth



Part #	Mfg #	Bit Dia	Overall Length	Drilling Depth	Price
236911	48-20-4400	1-1/4"	22"	17"	

### Stop Bit SDS-PLUS

- For use with drop-in anchors
- Stopping shoulder to drill accurate depths repeatedly
- Patented flute geometry to remove debris rapidly and maximize impact energy
- Centering tip to reduce bit walking and create exact spot drilling



Part #	Mfg #	Description	Price
171096	48-20-7651	3/8" x 1-11/16" Stop Bit	
171101	48-20-7653	1/2" x 1-11/16" Stop Bit	
171103	48-20-7655	5/8" x 2-1/16" Stop Bit	
242646	48-20-7652	1/2" x 13/16" Stop Bit	

## Drill Bits

### Spline to SDS-Plus Adapter

- Allows the use of SDS-Max shank accessories in a spline shank rotary hammer



Part #	Mfg #	Description	Price
193588	48-03-3015	Adapter	

### Scraping Chisel

- Made from forged high grade steel



Part #	Mfg #	Description	Price
172488	48-62-2065	2" Scraping Chisel	

### Hammer Drill Bits

#### Carbide-Tip Hammer Drill Bit

Part #	Mfg #	Description	Price
137662	48-20-8810	1/4" x 2" x 4" with Hex Shank	

#### Three-Flat Secure-Grip™ Hammer Drill Bit

- Fast drilling, long life
- 3-Flat Secure-Grip™ prevents bit from slipping in the chuck



Part #	Mfg #	Size	Price
137665	48-20-8821	3/8" x 4" x 6"	
137658	48-20-8800	1/8" x 1-1/2" x 3"	
137663	48-20-8811	1/4" x 4" x 6"	
137659	48-20-8801	5/32" x 4" x 6"	
137660	48-20-8805	3/16" x 2" x 4"	
137661	48-20-8806	3/16" x 4" x 6"	
137664	48-20-8816	5/16" x 4" x 6"	
137666	48-20-8830	1/2" x 4" x 6"	
184757	48-20-8812	1/4" x 10" x 12"	

#### 5-Piece, 3-Flat Secure-Grip™ Hammer-Drill Bit Set

- Comprehensive offering with diameters from 1/8" to 1" with lengths up to 18"



Part #	Mfg #	Description	Price
137667	48-20-8851	Bit Hammer-Drill Kit	

### SDS Demo Flat Chisel



Part #	Mfg #	Description	Price
151866	48-62-6015	SDSPlus 3/4" x 10"	
167377	48-62-4079	SDSMAX Demo 12" Flat Chisel	
186711	48-62-6020	1/2" x 10" Scaling Chisel	
186712	48-62-6030	9-1/2" Tile Chisel	
186713	48-62-6035	9/16"x7" Mortar Scraper	

### SPL/RDHEX Demo Flat Chisel

- Cold Chisel
- Carbide Bits/Masonry Drill Bits



Part #	Mfg #	Description	Price
226835	48-62-2130	1" x 18"	

### Feed and Set Screw Accessory Set

- Includes:
- (5) Feed Screws
- (1) Hex Key
- (3) Set Screws



Part #	Mfg #	Description	Price
169682	48-25-6000	8 Pc Set	

### Miscellaneous

#### Diamond Premium Segmented Wheel

- Extended Life
- Fast Cutting
- Designed to be used Wet or Dry

Part #	Mfg #	Description	Price
186478	49-93-7005	4-1/2", Arbor: 7/8", 20mm, 5/8"	

## Drill Bits

### SHOCKWAVE™ 1/2" Deep Well Socket Set (9 PC)

• Includes:

- (1) 3/8" SHOCKWAVE impact socket
- (1) 7/16" SHOCKWAVE impact socket
- (1) 1/2" SHOCKWAVE impact socket
- (1) 9/16" SHOCKWAVE impact socket
- (1) 5/8" SHOCKWAVE impact socket
- (1) 11/16" SHOCKWAVE impact socket
- (1) 3/4" SHOCKWAVE impact socket
- (1) 7/8" SHOCKWAVE impact socket
- (1) 1/4" Hex to 1/2" square adapter



Part #	Mfg #	Description	Price
160302	49-66-4484	SHOCKWAVE™ 1/2" Deep Well Socket Set (9 PC)	

### 12-Piece 3/8" Drive SAE Socket Set

• Includes:

- (1) 3/8" Drive Roto Ratchet
- (1) 3/8" Deep Well Socket
- (1) 7/16" Deep Well Socket
- (1) 1/2" Deep Well Socket
- (1) 9/16" Deep Well Socket
- (1) 5/8" Deep Well Socket
- (1) 11/16" Deep Well Socket
- (1) 3/4" Deep Well Socket
- (1) 6" Extension
- (1) 3/8" to 1/4" Drive Adaptor
- (1) 3/8" to Hex Adaptor
- (1) Carrying Case



Part #	Mfg #	Description	Price
232445	48-22-9000	12Pc, 3/8"	

### 12-Piece 3/8" Drive Metric Socket Set

• Includes:

- (1) 3/8" Drive Roto Ratchet
- (1) 10mm Deep Well Socket
- (1) 12mm Deep Well Socket
- (1) 13mm Deep Well Socket
- (1) 14mm Deep Well Socket
- (1) 15mm Deep Well Socket
- (1) 17mm Deep Well Socket
- (1) 18mm Deep Well Socket
- (1) 19mm Deep Well Socket
- (1) 6" Extension
- (1) 3/8" to 1/4" Drive Adaptor
- (1) 3/8" to Hex Adaptor
- (1) Carrying Case



Part #	Mfg #	Description	Price
232446	48-22-9001	12Pc, 3/8"	



## Drill Bits

### Drill Bits

#### Polished Double Enders Drill Bit

- *Punch style length*
- *Bit at each end*
- *135° Split point*
- *For use on sheet metal*



Part #	Mfg #	Bit Dia	O/A Length	Price
006385	DE1/8	1/8"	2"	
006384	DE1/4	1/4"	2-1/2"	

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**Flaring Tools**

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**Flaring Tools**  
**Pro-Set® Flaring Tool**



- For use on the following tube materials:
  - Copper
  - Aluminum
  - Brass
  - Thin-Wall Steel

Part #	Mfg #	Description	Price
134798	87-FT800FN	R-410A Imperial Block 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" with Ratchet	

**Flaring Tools**

**Flaring Tools**  
**Ratchet Flaring Tool**

- Ratcheting feed screw handle
- Hardened steel flaring cone, eccentrically mounted in needle bearings



Part #	Mfg #	Model	Type	Sizes	Price
045766	83037	458R	45° SAE Flares	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	

**Flaring Tool**

- Precision designed tool for producing 45° flares in soft copper, brass, aluminum, and mild steel (JIC and Bundy) tubing
- A hardened, smooth cone provides fast, 45° flares either single or double lap
- A single clamp screw provides for easy clamping and removal of tubing



Part #	Mfg #	Model	Type	Sizes	Price
008721	23332	345	45° SAE Flares	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	

**Hammer-Type Flaring Tool**

- Made of high-grade hardened steel
- Long nose guide that centers tools for smooth, 45° uniform flares



Part #	Mfg #	Model	Water Tube Size	Price
067998	41320	E-45	1/2"	
008618	41330	E-47	3/4"	
008625	41335	E-52	1"	
025807	41345	E-63	1-1/2"	
022441	41350	E-64	2"	



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## Flaring Tools

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### Flaring Tools

#### Flaring Tool

- *Makes smooth flare*
- *For OD sizes 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8"*



Part #	Mfg #	Description	Price
041946	J40-080	Bar Flaring Tool	

### Copper Swedge Tools

- *Heat-treated carbon steel*
- *Can be used on copper tube, soft copper, aluminum or any other thin-walled tubing*



Part #	Mfg #	Description	Price
064624	J40-369	5/8" to 1-1/8" Copper Swedge	

## Flaring Tools

### Flaring Tools

#### Deluxe 45° Flaring Tool

- Easy-to-use with four basic steps
- Designed with the new R-410A system
- Automatic tube height gauge
- Multi-faceted burnishing cone produces a burnished flare seat for a positive seal
- Self-centering yoke grips without marring or constricting tube



Part #	Mfg #	For:	Price
182105	60278	1/8"-3/4" O.D.	

#### Eccentric Cone Flaring Tool

- Large feed screw handle
- Black oxide-finished steel flaring bars are heat-treated
- Recommended for soft materials such as copper and aluminum
- Built-in clutch release to prevent over-torquing



Part #	Mfg #	For:	Price
182107	60295	3/16"-3/4" O.D.	

#### 45° Small Flaring Tool

- Chrome finish
- Forged steel yoke
- Hardened steel flaring bar
- Threaded feed screw and long handle



Part #	Mfg #	For:	Price
238075	60230	1/2"-3/4" O.D.	

#### Punch-Type Swaging Tool

- Expands one end of copper tubing for connecting same size tubes
- Heat-treated and plated alloy steel
- Made in the USA



Part #	Mfg #	Size	Price
182156	60466	3/8" O.D.	
182158	60469	3/4" O.D.	
182159	60470	7/8" O.D.	

### Complete Tubing Expander/Swager Kit

- Heat treated handles and expanding pin
- Use on 0.063" wall soft copper and aluminum to 1-5/8" O.D.
- Use on 0.047" wall soft steel to 7/8" O.D.
- Kit includes six expander heads; three optional sizes sold separately



Part #	Mfg #	Heads For:	Price
182147	60407	3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8" O.D.	

### Complete Swage and 45° Flare Kit

- Kit includes:
  - Yoke
  - Deluxe case
  - 6 Swage adapters
  - Flaring cone
  - 2 Flaring bars
- Deeply knurled adapters
- Six hardened and plated alloy steel adapters are interchangeable
- Slip-on self-centering steel yoke has a feed screw with extra long handle
- Flaring bars are hardened and chrome plated



Part #	Mfg #	Description	Price
182152	60440	3/16"-3/4" O.D.	

## Work Lights

### M12™ Lithium-Ion Cordless Work Lights

#### M12™ Work Light

- REDLITHIUM™ battery technology
- Compact design
- 90° rotating head
- Integrated magnet



Part #	Mfg #	Length	Voltage	Price
164019	49-24-0145	7"	12V	

#### M12™ LED Work Light

- REDLITHIUM™ Battery technology
- Sealed aluminum head
- 90° Rotating head
- Magnetic back



Part #	Mfg #	Length	Voltage	Price
137576	49-24-0146	7"	12V	

#### M12™ TRUEVIEW™ LED Spotlight

- Up to 700 yard beam distance
- 3 Light output modes for distance, clarity, and safety
- High: 750 lumens
- Low: 400 lumens
- Strobe: 800 lumens
- Impact and moisture resistant



Part #	Mfg #	Length	Voltage	Price
181689	2353-20	6.5"	12V	

#### M12™ LED Lantern/Flood Light

- TRUEVIEW™: High definition lighting technology
- 180° - 360° Adjustable beam
- 2.1A USB Charger
- Rugged design
- Four light settings: High, medium, low, strobe
- Two stainless steel hooks



Part #	Mfg #	Length	Voltage	Price
171826	2362-20	10.6"	12V	

### M12™ LED Stick Light (Bare Tool)

- TRUEVIEW™ High definition lighting technology
- Powerful 3-LED design
- Multi-position stainless steel hook
- Over 4+ hours of run-time
- Bright, smooth, even beam pattern
- Impact resistant/replaceable lens



49-24-2351

Part #	Mfg #	Length	Voltage	Price
158985	2351-20	9-1/4"	12V	
158986	49-24-2351	1-3/4"	N/A	

### M12™ Compact Flood Light

- High mode: 1,000 Lumens 3.5hrs
- Low mode: 200 Lumens 15hrs



Part #	Mfg #	Length	Voltage	Price
225830	2364-20	7.5"	12V	

### M18™ Lithium-Ion Cordless Work Lights

#### M18™ Search Light

- 1250 Lumens with 700 yard beam distance
- 198° Head rotation
- Modes: Spot, Flood, Spot/Flood, & Strobe



Part #	Mfg #	Length	Voltage	Price
226122	2354-20	Bare Tool		

#### M18™ Cordless LED Work Light

- Sealed, aluminum head
- 160 Lumen LED
- Lasts up to 12 hours on one charge
- Integrated hook
- 135° Rotating head



Part #	Mfg #	Length	Voltage	Price
137577	2735-20	8.5"	18V	

## Work Lights

### M18™ ROVER™ LED Flood Light

- Trueview: High definition lighting technology
- Up to 30% brighter than corded 250 halogen lights
- Up to 8 hours of run-time
- Innovative roll cage design
- Multiple hanging features: emt hanger, key hole hanger, cross bar hanger, handle hanger



Part #	Mfg #	Length	Voltage	Price
161982	2361-20	8-3/4"	18V	

### M18™ RADIUS™ Compact Site Light

- Flood mode
- 4-1/4" Hanging hook
- AC inlet for all day runtime
- 3 Area and task output modes
- Dual function: 360° area lighting, 90° flood lighting



Part #	Mfg #	Length	Voltage	Price
244930	2144-20	8"	18V	

### M18™ RADIUS™ Site Light with ONE-KEY™

- Low battery indicator
- Plug-in and daisy chain
- Program automatic schedules
- Optimize brightness and runtime
- Set light remotely from up to 100ft
- Integrated two-bay sequential charger
- Integrated tool tracking and security
- 180° and 360° electronic light control



Part #	Mfg #	Description	Price
239064	2150-20	18V	

### M18™ ROCKET™ LED Tower Light

- 7ft Max extension
- Rotating and pivoting head is extendable from 4-7ft
- Compact 26" footprint w/ low center of gravity
- Three light output modes
  - High: 2,000 lumens
  - Medium: 1,300 lumens
  - Low: 850 lumens
- Impact resistant, reinforced legs



Part #	Mfg #	Height	Voltage	Price
181687	2130-20	4-7 Ft	18V	

### M18 ROCKET™ LED Tower Light/Charger

- 5 Second setup, 7 foot extension
- 3,000 Lumens of multidirectional light
- Impact resistant, reinforced legs
- Built in M18™ charger
- Covered AC Plug-in
- 3 Independently pivoting light heads
- Protective guard to secure head and lens during transport and storage
- Compact footprint, low center of gravity
- Low battery indicator



Part #	Mfg #	Height	Voltage	Price
226119	2135-20	4-7 Ft	18V	
226121	2135-21HD	4-7 Ft	18V	

### M18™ ROCKET™ Dual Pack Tower Light w/ One Key

- 5400 Lumens up to 26 hrs runtime
- 5'5" Extension, collapses to 22"
- Waterproof and dustproof
- Dual batter design: use one or two batteries
- 3 Leg positions
- One key capable
- 3 Output modes
  - High: 5400 Lumens
  - Medium: 3100 Lumens
  - Low: 1600 Lumens
- -HD model includes: 9.0 battery w/ rapid charger



Part #	Mfg #	Height	Voltage	Price
238902	2120-20	22"-65"	18V	
238905	2120-22HD	22"-65"	18V	

## Work Lights

### M18™ Rover™ LED Dual Power Flood Light

- Three light output modes
- Medium Mode: 1,500 lumens for up to 4 hours with M18™ XC 5.0 Pack
- High Mode: 3,000 lumens for up to 2 hours with M18™ XC 5.0 Pack
- Low Mode: 650 lumens for up to 8 hours with M18™ XC 5.0 Pack
- High Definition Output with true color, even beam, and natural light
- Dual Power Source: M18™ or Corded
- Light Head rotates 240° with positive stops
- (3) integrated keyholes for hanging horizontally or vertically
- Durable Roll Cage protects light head



Part #	Mfg #	Length	Voltage	Price
181688	2360-20		18V	

### M18™ RADIUS™ LED Compact Site Light w/ ONE-KEY™

- Set light remotely from 50ft
- Optimize brightness and runtime
- Program automatic schedule
- Lighting for task, area, and overhead
- High impact polycarbonate lens
- 4,400 Lumens for maximum coverage
- AC in and out: string up to 10 together
- Protected AC plugs self-centering hang hook
- Reinforced hang hole
- 180 and 360 electronic: light control
- Low battery indicator



Part #	Mfg #	Length	Voltage	Price
222799	2146-20		18V	

### M18™ RADIUS™ LED Compact Site Light



Part #	Mfg #	Length	Voltage	Price
222798	2145-20		18V	

### M18™ LED Stick Light

- TRUEVIEW: High definition lighting technology
- Forward and backward pivoting head
- Rugged design: replaceable lens plate and chemical resistant body
- Two adjustable metal hooks
- Compact design



Part #	Mfg #	Length	Voltage	Price
172034	2352-20	11.6"	18V	

### M18™ LED Lantern/Flood Light

- TRUEVIEW: High definition lighting technology
- 180° - 360° Adjustable beam
- 2.1A USB Charger
- Rugged design
- Four light settings: High, medium, low, strobe
- Two stainless steel hooks



Part #	Mfg #	Length	Voltage	Price
171827	2363-20	11.5"	18V	

### Complete Flashlights

#### Headlamp

- Wide flood beam pattern
- High, medium, and low mode
- 7-Position tilting light head
- Includes (3) AAA batteries
- 3 Light output modes for optimal brightness & runtime



Part #	Mfg #	Description	Price
238980	2106	Headlamp	



## Work Lights

### Penlight

- 6000 Series aircraft aluminum body
- Over 3 hours continuous runtime
- Removable metal clip on/off
- Momentary-on button
- 43 Meter beam distance
- Includes (2) AAA batteries



Part #	Mfg #	Description	Price
238979	2105	Penlight	

### USB Rechargeable Hard Hat Headlamp

- REDLITHIUM™
- LED fuel gauge
- 2FT Micro-USB braided cord
- 7-Position tilting light head
- Flood, spot, & spot/flood beam patterns —Low, medium, and high modes
- 475 Lumens of TRUEVIEW™ high definition output
- 5 Light output modes for optimal brightness & runtime
- Clips & rubber grips included for hard hat attachment



Part #	Mfg #	Description	Price
238968	2111-21	Hard Hat Headlamp	

### USB Rechargeable Flashlight

- REDLITHIUM™
- LED fuel gauge
- 2' heavy duty USB cord
- Removable metal cord
- 155 Meter beam distance
- Spot-flood sliding beam adjustment
- 6,000 Series aircraft aluminum body
- 3 Light output modes: high, low, & strobe
- 700 Lumens of TRUEVIEW™ high definition output



Part #	Mfg #	Description	Price
238967	2110-21	USB Rechargeable 700L Light	

### M12™ LED Metal Flashlight

- High mode: 800 Lumens, 5 Hrs
- Low mode: 325 Lumens, 7 Hrs



Part #	Mfg #	Description	Price
222067	2355-20	9" x 2-1/2"	

### USB Rechargeable ROVER™ Pocket Flood Light

- REDLITHIUM™
- LED fuel gauge
- Dual magnet clip
- 2FT Micro-USB braided cord
- 2 Light output modes for max brightness or run time
- Lumens of TRUEVIEW™ high definition output —High (445) and Low (100) modes



Part #	Mfg #	Description	Price
238969	2112-21	Pocket Flood Light	

## Batteries

### REDLITHIUM™ USB Battery

- Over 2,000 charges
- Charge inside USB rechargeable products or with 48-59-2002 REDLITHIUM™ charger



Part #	Mfg #	Description	Price
238970	48-11-2130	REDLITHIUM™ USB Battery	

### REDLITHIUM™ USB Charger

- LED fuel gauge
- 2FT Micro-USB braided cord
- Stores battery when not in use



Part #	Mfg #	Description	Price
238972	48-59-2002	REDLITHIUM™ USB Charger	



## Work Lights

### Replacement Bulbs



49-81-0030



49-81-0090

Part #	Mfg #	Description	Price
141993	49-81-0030	Bulbs for 18V Work Light, 2/Pk	
138845	49-81-0090	LED Upgrade Work Lights	

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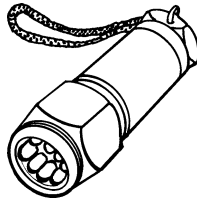
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## Flashlights

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### LED Flashlights



Part #	Mfg #	Description	Price
136007	R319350	Pocket LED Lightstick	



## Flashlights

### RAYOVAC® Industrial Flashlights

- Yellow flashlight with ring hangers



Part #	Mfg #	Description	Price
052370	F20-001	(2) D Cell	

### Batteries

#### Rayovac Heavy-Duty Alkaline Batteries

**RAYOVAC®**



F20008



F20010



F20009



F20011



F20012

Part #	Mfg #	Description	Price
045080	F20-008	(8) AA Alkaline	
052368	F20-009	(6) 9 Volt Alkaline	
052369	F20-010	(6) C Alkaline	
045082	F20-011	(6) D Alkaline	
045081	F20-012	(8) AAA Alkaline	

**Flashlights**

**Flashlights**

**LED Mini Pocket Flashlight**

- 5mm Nichia white LED light
- 50,000 Hours of lamp life
- 9-Lumen tested light-output generates a strong concentrated beam
- Battery life: 130 hours
- Pushbutton on/off switch provides constant or momentary modes
- Polycarbonate body with o-ring sealed Xenoy® shroud
- Includes a breakaway lanyard and pocket clip
- Interchangeable clear, red and green colored discs



Part #	Mfg #	Description	Price
120393	X5	(4) LR44 Batteries	

## Flashlights

### Flashlights

#### Extendable Magnetic Flashlight

- Magnet on grip and at light
- Telescopes from 6.5" to 21"
- Flexible shaft
- (3) Super-bright LEDS with on/off button



Part #	Mfg #	Description	Price
134816	EMF-1	LED Telescopic Flashlight	

#### Batteries

Part #	Mfg #	Description	Price
134817	FB-1	(4) Batteries for EMF-1	

#### Magnetic Stick Light

- Pocket-sized floodlight
- Magnet in handle
- Molded clip keeps in pocket
- Rugged, water resistant
- (6) Super-bright LEDS
- 36 Lumen output
- Runs more than 10 hours



Part #	Mfg #	Description	Price
145098	MSL-1	Magnetic Stick Light	

#### Pocket Area LED Light

- Ratcheting hinge angles light as needed
- Hanging hook swivels 360°
- Powerful magnet attaches securely to a horizontal or vertical surface
- (18) Super-bright LEDS
- Runs more than 6 hours
- Easy on/off - open/close

Part #	Mfg #	Description	Price
145267	PAL-1	Pocket Area Light	

## Hammers

### Hammers

#### Smooth Face Framing Hammer

- Shockshield™ Handle
- Most Durable Grip Construction
- Magnetic Nail Set
- I-Beam Handle Construction
- Anti-Ring Claw
- Smooth Face
- Straight Claw



Part #	Mfg #	Description	Price
232892	48-22-9017	16-1/8"L x 5-3/4"W	
232894	48-22-9023	15"L x 6-1/8"W	

#### Smooth Face Poly/Fiberglass Handle Hammer

- Most Durable Fiberglass Handle
- Magnetic Nail Set
- Asymmetrical Anti-Ring Claw
- Smooth Face
- Straight Claw



Part #	Mfg #	Description	Price
232895	48-22-9316	15-1/4"L x 5-5/8"	

#### Milled Face Framing Hammer

- Shockshield™ Handle
- Most Durable Grip Construction
- Magnetic Nail Set
- I-Beam Handle Construction
- Asymmetrical Anti-Ring Claw
- Milled Face
- Straight Claw



Part #	Mfg #	Description	Price
232893	48-22-9022	15"L x 6-1/8"W	

## Hammers

### Hammers

#### Sheet Metal Hammer - Riveting

- Polished finish



Part #	Mfg #	Size	Handle	Head Weight	Price
006477	RH4	4-7/8"	Leather	12 oz	

#### Sheet Metal Hammer - Setting

- Polished finish



Part #	Mfg #	Size	Handle	Head Weight	Price
006482	SH3	5-1/2"	Leather	18 oz	

**Hammers**

**Hammers**

**Hammer**



Ball Pein



Ripping Claw



Part #	Mfg #	Model	Description	Head Weight	Overall Length	Price
008654	52455	016	Ball Pein	16 oz	14"	
008705	52485	216	Ripping Claw	16 oz	13-1/4"	

## Hole Saws

### Hole Cutter Kits

#### Big Hawg® Hole Cutter Kit

- 50X Life in nail embedded wood & abrasive material applications
- 5X Faster cuts
- Thicker backer for extreme life in demanding applications
- Enlarged braze surface for stronger bond to the carbide teeth
- (3) Tooth design for fast aggressive cuts
- Cuts 1000+ more nails
- 10X Larger carbide teeth
- Carbide tipped multi-material pilot bit for increased material versatility
- Cuts wood, nails, shingles, cement board, plaster and more
- Includes:
  - 2-1/8" BIG HAWG™ with Carbide Teeth
  - (1) 2-9/16" BIG HAWG™ with Carbide Teeth
  - (1) 3-5/8" BIG HAWG™ with Carbide Teeth
  - (2) BIG HAWG™ with Carbide Teeth Pilot Bit (49-56-9300)
  - (1) BIG HAWG™ with Carbide Teeth Arbor (49-56-9305)
  - (1) BIG HAWG™ with Carbide Teeth Diamond File (48-09-5055)



Part #	Mfg #	Description	Price
249929	49-56-9280	7-Piece	

#### Big Hawg® Hole Cutter Kit

- Includes:
  - (1) 2-1/8" BIG HAWG™ with Carbide Teeth
  - (1) 2-9/16" BIG HAWG™ with Carbide Teeth
  - (1) 3-5/8" BIG HAWG™ with Carbide Teeth
  - (1) 4-5/8" BIG HAWG™ with Carbide Teeth
  - (2) BIG HAWG™ with Carbide Teeth Pilot Bit (49-56-9300)
  - (1) BIG HAWG™ with Carbide Teeth Arbor (49-56-9305)
  - (1) BIG HAWG™ with Carbide Teeth Diamond File (48-09-5055)



Part #	Mfg #	Description	Price
248848	49-56-9285	8-Piece	

#### Big Hawg® Hole Cutter Kit

- Kit Includes:
  - (6) hole cutters (2-1/8", 2-1/4", 2-9/16", 3", 3-5/8", 4-1/4")
  - (1) arbor with pilot bit
  - (2) additional pilot bits
  - (1) diamond file for sharpening
  - (1) hex wrench
  - (1) impact-resistant case



Part #	Mfg #	Description	Price
152122	49-56-7210	10-Piece	

#### Big Hawg® Hole Cutter Kit

- Kit Includes:
  - (1) 2-1/8" BIG HAWG™ with Carbide Teeth
  - (1) 2-1/4" BIG HAWG™ with Carbide Teeth
  - (1) 2-9/16" BIG HAWG™ with Carbide Teeth
  - (1) 3" BIG HAWG™ with Carbide Teeth
  - (1) 3-5/8" BIG HAWG™ with Carbide Teeth
  - (1) 4-1/4" BIG HAWG™ with Carbide Teeth
  - (2) BIG HAWG™ with Carbide Teeth Pilot Bit (49-56-9300)
  - (1) BIG HAWG™ with Carbide Teeth Arbor (49-56-9305)
  - (1) BIG HAWG™ with Carbide Teeth Diamond File (48-09-5055)



Part #	Mfg #	Description	Price
249930	49-56-9290	10-Piece	

### Hole Saw Kits

#### Ice Hardened™ Hole Saw Kit

- Ice Hardened™ for up to 50% longer life
- Includes:
  - (5) Hole saws: 3/4", 7/8", 1", 1-1/8", 1-1/2"
  - Twist-Release™ arbor with pilot bit: 49-56-7210
  - Additional pilot bit: 49-56-8010
  - 1/8" Hex Key
  - Adapter: 49-56-6560



Part #	Mfg #	Description	Price
150075	49-22-4005	8-Piece	



## Hole Saws

### Plumber's Ice Hardened™ Hole Saw Kit

- Includes:
  - (6) Hole saws: 3/4", 7/8", 1-1/8", 1-1/2", 1-3/4", 2-1/4"
  - (2) Arbors with pilot bits (49-56-7010 and 49-56-9100)
  - (2) Additional pilot bits (49-56-8010)
  - (1) Adapter (49-56-6560)
  - (1) Spacer (49-67-0120)



Part #	Mfg #	Description	Price
139022	49-22-4145	10-Piece	

### 18-Piece Master Plumbers Ice Hardened™ Hole Saw Kit

- Cryogenically treated
- Optimized tooth form for up to 2 times faster cutting
- Wide, angled and offset slots
- Includes:
  - (13) Hole saws - 3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2-1/4", 2-5/8", 3", 3-1/2", 4", 4-1/4", and 4-1/2"
  - (2) Arbors with pilot bits (49-56-7010 and 49-56-9100)
  - (3) Additional pilot bits (49-56-6560)
  - (1) Spacer (49-67-0120)



Part #	Mfg #	Description	Price
139021	49-22-4155	18-Piece	

### All Purpose Professional Hole Dozer™ Hole Saw Kit

- Rip Guard™, the strongest tooth form in the industry
- Rip Guard™ limited lifetime tooth break warranty
- Plug Jack™, an all access slot design for fast plug removal
- Bi-metal construction with 8% cobalt for increased wear resistance



49-22-4185

Part #	Mfg #	Description	Price
154644	49-22-4185	28-Piece	
227494	49-22-4175	15-Piece	
173237	49-22-4142	12-Piece	

### 8 Pc Refrigeration Hole Dozer™ Hole Saw Kit

- Rip Guard™, strongest tooth form
- Rip Guard™ limited lifetime tooth break warranty
- Plug Jack™ all access slot design for fast plug removal
- Bi-metal construction with 8% cobalt for increased wear resistance



Part #	Mfg #	Description	Price
246026	49-22-4079	8-Piece	

## Hole Cutters

### Big Hawg® Hole Cutter with Carbide Teeth

- 5X Faster cuts
- 3 Tooth design for aggressive cuts
- Thicker backer for extreme life
- Enlarged braze surface for stronger bond to the carbide teeth
- Cuts 1000+ nails
- 10X Larger carbide teeth
- Cuts wood, nails, shingles, cement board, plaster and more



Part #	Mfg #	Diameter	Price
249926	49-56-9200	1-3/8"	
246974	49-56-9210	2-1/8"	
249927	49-56-9215	2-1/4"	
246976	49-56-9220	2-9/16"	
246978	49-56-9230	3"	
246979	49-56-9240	3-5/8"	
246980	49-56-9255	4-1/4"	
249861	49-56-9265	4-5/8"	
249928	49-56-9270	5-1/4"	
249862	49-56-9275	6-1/4"	

## Hole Saws

### Hold Dozer™ with Carbide Teeth



Part #	Mfg #	Hole Dia	Price
165182	49-56-0623	5/8"	
246983	49-56-0702	3/4"	





## Hole Saws

### Hole Saws (Continued)

#### Hold Dozer™ with Carbide Teeth

Part #	Mfg #	Hole Dia	Price
246984	49-56-0704	7/8"	
249969	49-56-0707	1"	
246985	49-56-0708	1-1/8"	
249970	49-56-0710	1-1/4"	
249971	49-56-0712	1-3/8"	
246986	49-56-0713	1-1/2"	
165190	49-56-0720	1-5/8"	
246987	49-56-0717	1-3/4"	
249973	49-56-0720	2"	
165193	49-56-2123	2-1/8"	
246988	49-56-0724	2-1/4"	
249975	49-56-0727	2-1/2"	
246989	49-56-0729	2-5/8"	
165203	49-56-2753	2-3/4"	
165204	49-56-2873	2-7/8"	
246990	49-56-0734	3"	
165206	49-56-3253	3-1/4"	
249976	49-56-0738	3-1/2"	
249977	49-56-0739	3-5/8"	
165208	49-56-3753	3-3/4"	
249978	49-56-0742	4"	
246991	49-56-0744	4-1/4"	
249979	49-56-0746	4-1/2"	
165210	49-56-5003	5"	
165211	49-56-6003	6"	

#### Hole Dozer™ Hole Saw

- Rip Guard™, the strongest tooth form in the industry
- Plug Jack™, an all access slot design for fast plug removal
- Bi-metal construction for increased wear resistance



Part #	Mfg #	Description	Price
165164	49-56-0012	5/8"	
152110	49-56-0023	3/4"	
152111	49-56-0032	7/8"	
165165	49-56-0017	11/16"	
152112	49-56-0043	1"	
165166	49-56-0047	1-1/16"	
152113	49-56-0052	1-1/8"	
152114	49-56-0062	1-1/4"	
152115	49-56-0072	1-3/8"	
152116	49-56-0082	1-1/2"	

### Hole Saws (Continued)

#### Hole Dozer™ Hole Saw

Part #	Mfg #	Description	Price
165167	49-56-0092	1-5/8"	
165178	49-56-0112	1-7/8"	
152119	49-56-0132	2-1/4"	
152117	49-56-0127	2-1/8"	
163909	49-56-0142	2-3/8"	
165168	49-56-0153	2-9/16"	
153383	49-56-0163	2-3/4"	
165170	49-56-0167	2-7/8"	
165171	49-56-0177	3-18"	
165172	49-56-0183	3-1/4"	
165173	49-56-0203	3-3/4"	
152120	49-56-0213	4"	
165174	49-56-0217	4-1/8"	
165175	49-56-0223	4-1/4"	
165176	49-56-0237	4-3/4"	
165177	49-56-0253	6"	
219363	49-56-9656	6"	

#### Ice Hardened™ Hole Saw

- Ice Hardened™ for up to 50% longer life



Part #	Mfg #	Size	Price
143992	49-56-0102	1-3/4"	
144015	49-56-0117	2"	
144016	49-56-0147	2-1/2"	
150074	49-56-0158	2-5/8"	
144017	49-56-0173	3"	
148183	49-56-0193	3-1/2"	
144018	49-56-0197	3-5/8"	
144019	49-56-0233	4-1/2"	
142700	49-56-0243	5"	

## Hole Saws

### Diamond Plus™ Hole Saw

- *Diamond Plus™ greater durability and toughness delivers up to 10X longer life*
- *Higher grade diamonds and improved braze: Provides best-in class performance*
- *Large slug ejection slot*
- *Versatile: Ideal for cutting anchoring and clearance holes in all tile, stone and glass*



Part #	Mfg #	Description	Price
173242	49-56-0505	1/4" Diamond Plus™ Hole Saw	
173243	49-56-0507	5/16" Diamond Plus™ Hole Saw	
233568	49-56-0509	3/8" Diamond Plus™ Hole Saw	
173244	49-56-0515	3/4" Diamond Plus™ Hole Saw	
170733	49-56-0503	3/16" Diamond Plus™ Hole Saw	
173245	49-56-0426	1-3/8" Carbide Grit Hole Saw	

### Thin Wall Hole Saw

- *1/4" Quick change hex shank for use with impact drivers*
- *Thin wall 8 TPI design for 40% faster cuts than standard bi-metal hole saws*
- *Stop shoulder design prevents over drilling and damaging components*
- *Ejection spring automatically removes slugs*



Part #	Mfg #	Description	Price
169268	49-56-9805	3/4" Thin Wall Hole Saw	
169269	49-56-9810	7/8" Thin Wall Hole Saw	
169270	49-56-9815	1" Thin Wall Hole Saw	
169271	49-56-9820	1-1/8" Thin Wall Hole Saw	
169272	49-56-9825	1-1/4" Thin Wall Hole Saw	
169273	49-56-9830	1-3/8" Thin Wall Hole Saw	
169274	49-56-9835	1-1/2" Thin Wall Hole Saw	

### Adjustable Hole Cutter

- *Quik-Lok™ Arbor*
- *2" through 7" Diameters with 1/4" Increments*
- *Black Oxide Coated with Laser Etched Size Indicators*
- *Durable debris shield*



Part #	Mfg #	Description	Price
173825	49-56-0320	Depth of cut: 1"	

### Arbors

#### Small Arbor

- *Durable hardened steel construction*



Part #	Mfg #	Size Range	Shank Size	Price
007021	49-56-7000	Up to 1-3/16"	7/16"	
144976	49-56-7010	Up to 1-3/16"	3/8"	

#### Big Hawg® Arbor

- *Standard 5/8"-18 thread fits all hole saws or hole cutters 1-1/4" through 6-1/4"*
- *Includes:*
  - (1) Flat boring pilot bit
  - (1) Big Hawg® Arbor
  - (1) 7/16" Quick change shank



Part #	Mfg #	Description	Price
137895	49-56-9105	Big Hawg® Arbor	

#### Large Quick Change Arbor

- *Tool-free operation*
- *Universal, quick change with all brands of hole saws*
- *No adapters required*
- *Hardened steel construction*
- *Fits all hole saws 1-1/4" and larger*
- *Fits all drill chucks 3/8" and larger*



Part #	Mfg #	Size Range	Shank Size	Price
144975	49-56-7250	1-1/4"+	3/8"	
149219	49-56-9100	1-1/4"+	7/16" No Wobble	
007022	49-56-7055	1-1/4" +	7/16"	

#### Twist-Release Small Thread Quick Change Arbor

- *Tool-free operation*
- *Universal, quick change with all brands of hole saws*
- *No adapters required*
- *Hardened steel construction*
- *Twist to release*



Part #	Mfg #	Size Range	Shank Size	Price
152122	49-56-7210	Up to 1-3/16"	3/8"	

## Hole Saws

### Pilot Drill Bits

#### Big Hawg® Hole Cutter Pilot Bit

- Machined cutting edge for increased cutting speed
- Exclusive bit geometry aids plug removal



Part #	Mfg #	Description	Price
137898	48-27-1401	Big Hawg® Center Spade Bit	

#### High Speed Steel Pilot Bit

- Thunderbolt® tapered web for added durability
- 135° split point provides accurate hole placement
- 3-Flat shank won't slip in arbor or chuck
- Parabolic flute clears chips faster
- 12/Pk



Part #	Mfg #	Size	Price
007024	49-56-8000	1/4" x 4"	
152121	49-56-8010	1/4"X 3-1/2"	

#### Carbide Tipped Pilot Bit

- Tungsten carbide tipped for long life
- Fits all hole saw sizes



Part #	Mfg #	Size	Price
007025	49-56-8005	1/4" x 4"	

### Hole Saw Accessories

#### Universal Quik-Lok™ Extension

- Accepts all 7/16" shanks
- No tools required for bit change
- Impact rated



Part #	Mfg #	Size	Price
144978	48-28-1000	3" x 1/4"	
152998	48-28-1030	5-1/2" x 7/16"	
147701	48-28-1040	12" x 7/16"	
170804	48-28-1050	18" x 7/16"	

### Hex-Wrench Bit Extension

- Accepts all 7/16" hex shanks
- For selffeed bits, auger bits and hole saw 1" diameter and larger



Part #	Mfg #	Description	Price
238663	48-28-4016	24" Length	
006928	48-28-4006	12" Length	
177316	48-28-4001	5-1/2" Length	

### Hex Extension

Part#	Mfg #	Description	Price
138372	48-28-1010	6" Hex Extension	
138373	48-28-1020	12" Hex Extension	

### Right Angle Attachment

- Rated up to 235 in/lbs torque
- Accepts standard 1/4" hex shank bits



Part #	Mfg #	Description	Price
149497	49-22-8510	Right Angle Attachment	

### Files

#### Big Hawg® Diamond File

- Easy re-sharpening on job site



Part #	Mfg #	Description	Price
137897	48-95-5055	Big Hawg® Diamond File	

**HVAC Testing Tools**

**Motor Testers**

**TECMate Pro ECM Motor Tester**

- Analyze ECM motors independent of the HVAC system
- Operates in the basic HVAC settings of fan-only, heating, cooling and de-humidification
- Designed to detect and isolate motor failures from other HVAC system failures



Part #	Mfg #	Description	Price
153548	PD510009	TECMate Pro Motor Tester	

**Test Connector**

Part #	Mfg #	Description	Price
031520	45-24318-01	Test Connector	

**Circuit Protection Products**

**ZBreaker Circuit Breaker Set**



Part #	Mfg #	Description	Price
141508	ZK005	5 Amp	

**Short-Pro Tool™**

- Finds 24 volt system shorts
- Automatically resets the breaker
- (2) 18" Leads



Part #	Mfg #	Description	Price
140758	ZSPRT	Short-Finder	

**Safety Power Adapters**

**Zebra'Dapter Fused Power Tap Cord**

- Lighted to show voltage level of plug
- Safe way to obtain 120V power to vacuum pumps, charging scales, drop lights, etc.



Part #	Mfg #	Description	Price
140729	ZD002	2' Lighted Female Cordset Blue	
140728	ZD001	2' Lighted Male Cordset Yellow	

**Smoke Detector & Accessories**

**SL-2000 Duct Smoke Detector**

- Hi-Temp
- Low-Flow
- No Tools



Part #	Mfg #	Description	Price
118470	SL-2000-N	4-Wire Ionization	

**Sampling Tube for SL-2000 & RT-3000 Series**



Part #	Mfg #	Description	Price
118471	STN-2.5	12" to 3.0'	

**Meters**

**Thermo-Psychrometer**

- Large storage area for probes
- TM350 Includes:
  - (1) TMX2A 15' Air probe
  - (1) TMX2G 15' General purpose
  - (1) TMX2S 15' Surface probe



Part #	Mfg #	Description	Price
143080	87-TM350	Four Remote Stations	

**HVAC Testing Tools**

**Probe for TM350 Thermo-Psychrometer**



Part #	Mfg #	Description	Price
143081	87-TMX2C	Clamp-On	
143082	87-TMX2P	Puncture	
143083	87-TMX2S	Surface	

**Hardware  
Alligator Clip**

Part #	Mfg #	Description	Price
140494	455055	1" Black, 6/Pk	
140495	455056	1" Red, 6/Pk	
140496	455057	Alligator Clips with 18 AWG - 36" Test Leads	

**Test Lead**

Part #	Mfg #	Description	Price
140609	455150	10 AWG, 36" with 10A Clip	

**Combustion Analyzer Kits**

**Testo Residential Combustion Analyzer Kit**

- Fast 30-second startup
- Sensor technology
- Integrated probe hose
- Use for:
  - Boiler tuning
  - Checking furnace efficiency
  - Water heater checks
- Measures:
  - Ambient CO
  - Undiluted CO (CO air free)
  - O<sub>2</sub>, CO (with built-in NO<sub>x</sub> filter), CO<sub>2</sub>
  - Draft & pressure temperature
  - Combustion/flue gas efficiency & excess air



Part #	Mfg #	# of Fuels	Price
181036	PD875492	5	



## HVAC Testing Tools

### Voltage Detectors

#### Voltage Detector with LED

- Safety rating: CAT IV 1,000V
- Green power on indicator light
- Pocket clip
- Requires (2) AA batteries (included)



Part #	Mfg #	Voltage Range	Price
137565	2202-20	50 to 1,000 AC	

#### Dual Range Voltage Detector

- Different colors identify voltage range
- Built-in LED work light
- Auto-off
- Pocket clip
- Blade-tip for checking outlets
- Constant power ON LED indicator



Part #	Mfg #	Voltage Range	Price
168492	2203-20	10-1,000 V	

### Test & Measurement Tools

#### Fork Meter for HVAC/R

- Heavy-duty True-RMS electrical tester for professional residential, commercial and industrial applications
- High contrast white-on-black display
- Five tools in one:
  - Current measurement
  - Temperature measurement
  - Voltage measurement
  - Voltage detection
  - Task lighting - LED work light
- Includes:
  - Fork clamp
  - Test leads
  - Dual banana thermocouple
  - (2) AA Batteries
  - Manual
- 5-Year warranty



Part #	Mfg #	Description	Price
137566	2206-20	8" Length, 200A Current AC	

### Tru RMS Digital Multimeter

- Wide voltage range to 600VAC/DC
- Auto range to millivolts
- True-RMS for accurate measurement in all applications
- Lo-Z measurement to eliminate ghost voltage
- Frequency measurements from 10Hz to 50kHz
- Contact temperature measurement: -40° to 752°F
- Current measurement to 10AAC/DC
- High contrast white on black display with back light
- Rugged over-molding increases durability and user grip
- 5-Year warranty
- Includes:
  - Multimeter
  - Test leads
  - Dual banana thermocouple
  - (2) AA Batteries
  - Manual



Part #	Mfg #	Description	Price
136067	2217-20	6-1/2" L, 10.00A Current AC/DC	

#### Clamp Meter for HVAC/R

- Electrical current tester for professional residential, commercial and industrial applications
- 1.3" Jaw opening to easily handle large conductors
- White-on-black display
- LED Work light
- Includes:
  - Clamp
  - Test leads
  - Dual banana thermocouple
  - (2) AA Batteries
  - Manual
- 5-Year warranty



Part #	Mfg #	Description	Price
137567	2236-20	9-1/2" Length, 600A Current AC	

## HVAC Testing Tools

### Detectors

#### Dust Smoke Detector

- Ionization



Part #	Mfg #	Description	Price
118470	849046	Dust Smoke Detector	

#### Air Products Sampling Tube

- For SL-2000

Part #	Mfg #	Model #	Size	Price
118471	849051	STN-2.5	2-1/2" ft	

### Meters & Testers

#### Vane Anemometer

- Air humidity meter with temperature measurement
- Integrated measurement with 1.5 in. vane
- Timed mean value calculation
- Hold function and max./min. values
- Wind chill calculation for outside areas (perceived temperature)
- Back lit display
- Air humidity measurement with long-term stable Testo humidity sensor
- Incl. dewpoint calculation and wet bulb
- Includes:
  - Integrated humidity measurement and NTC air thermometer
  - Protective cap for safe storage
  - Wrist strap and belt clip
  - (2) Type AAA batteries, 60 hour life
  - Calibration certificate



Part #	Mfg #	Description	Price
143078	875043	Vane Anemometer with Integrated Humidity & NTC Air Thermometer	

### Carbon Monoxide Stick Meter

- Detects presence of carbon monoxide in ambient air from gas furnaces, water heaters, and other appliances or equipment
- Visual and audio warnings, adjustable alarm threshold
- No zero phase, instrument can be used immediately
- CO Zeroing on-site
- Self test function



Part #	Mfg #	Description	Price
143084	875036	Includes Leather Holster w/Belt Strap, Earphone, Wrist Strap	

### Humidity and Temperature Meter

- Long-term, stable Testo humidity sensor
- +/-2.5 %RH Accuracy
- Hold function and max/min values
- Includes:
  - Protective cap for safe storage
  - Batteries
  - Calibration certificate



Part #	Mfg #	Description	Price
143079	875042	Dewpoint & Wet Bulb Meter	

### Electrical

Part #	Mfg #	Description	Price
141560	86-22510	Test Leads	

**HVAC Testing Tools**

**Clamp-On Digital Multimeters**

**DL389 G2 Phoenix Pro+ Clamp-On Multimeter**

- Dual display and low battery display lock
- Test lead storage and holder on clamp head
- Auto off
- Input jack lock
- Detachable clamp head
- Worklight
- Magnetic mount
- User temperature calibration
- EasyView high contrast backlight display
- Compatible with common industry accessories heads
- Safety compliance CAT III 600V, CAT II 1000V
- Includes:
  - Test leads
  - K-Type probe (no adapter required)
  - Zippered case
  - (2) AAA Batteries
- 3-Year limited warranty



Part #	Mfg #	Description	Price
128764	DL389	12 Functions Including TRUE-RMS (AC Volts & Amps)	

**Thermometers**

**550B Digital Pocket Thermometer**

- Water resistant
- Records minimum & maximum temperatures
- Protective boot
- Magnetic mount
- HOLD freezes the current temp reading
- Auto power off
- Ergonomic designed head
- 3-Year limited warranty



Part #	Mfg #	Description	Price
069651	550B	-58° to 572°F Range	

**Digital Thermometer**

- Waterproof
- Built-in magnetic mount
- Records minimum & maximum temperatures
- Data hold
- Auto power off
- Easy access battery compartment
- Enhanced accuracy of digital circuitry
- Includes battery & multipurpose probe
- -58° to 572°F Range
- 3-Year limited warranty

PDT550



PDT650



Part #	Mfg #	Description	Price
082376	PDT550	Pen Type	
153228	PDT650	Folding Type	

**CO Detectors**

**CO71 "The CO Detective" Carbon Monoxide Monitor**

- Tri-color LED indicates concentrations at 3 levels complying with residential and work place standards
- Audible alert triggers at 35 ppm indicating the threshold of dangerous concentration
- Backlight display
- Operating temperature: 32° to 104°F
- MAX Continually updates to provide recall of highest CO reading
- Auto zero activates upon turn on
- 9V Battery operated
- 3-Year limited warranty



Part #	Mfg #	Description	Price
051760	CO71	Displays 0 to 999 ppm CO Level in Ambient Air	

**Leak Detectors**

**CD100A Combustible Gas Leak Detector**

- Long 18" gooseneck for hard to reach areas
- Tip light in sensor cap illuminates search area
- Probe cage protects sensor
- Audio and visual tic rate fully adjustable
- Headphone jack
- Includes:
  - Sensor and cap
  - 9V Battery
- 1-Year limited warranty



Part #	Mfg #	Description	Price
038331	CD100A	50 ppm Minimum Detection	



**HVAC Testing Tools**

**Manometers**

**EM151 Digital Electronic Manometer**

- Single input measurement to ±20" wg
- Integral protective boot w/magnet
- Simple two-button operation
- Measures in inches water gauge and Mbar
- Automatic after 5 minutes of inactivity and manual power-off
- Includes:
  - (1) Pressure tubes with brass fitting connector
  - (1) Std 9V battery
  - Manual
- 1-Year limited warranty



Part #	Mfg #	Description	Price
126553	EM151	Single Input Electronic Manometer	

**SSM1 Super Heat/Sub Cool Meter**

- Measures:
  - Pressure from 0 - 500 psia
  - Temperature from -40° to 400°F
- Calculates:
  - Superheat for low side
  - Subcool for high side (TXV systems)
- Refrigerants included for calculations: R-22, R-134a, R-404A, and R-410A
- 1-Year limited warranty



Part #	Mfg #	Description	Price
133479	SSM1	Super Heat/Sub Cool Meter	

**Static Pressure Kit**

- Dynamic Min/Max value capture
- Data hold
- Backlit display
- Ruggedized, including rubber boot with integral magnet
- Auto power off
- 3-Year limited warranty



Part #	Mfg #	Description	Price
161833	EM201SPKIT	Dual input differential measurement to +/-60 InWC	

**Electrical Testers**

**PET1 Pocket Electrical Tester**

The PET1 features:

- Worklight
- Non-contact AC voltage test from 12-600VAC (with adjustable sensitivity)
- Detects high and low AC voltage
- Continuity check: 0-80 megohms
- Audible/visual indicators
- 3-Year limited warranty



Part #	Mfg #	Description	Price
083035	PET1	Volt Tester w/Light	

**Probes**

**ATL5 Modular Test Lead Tip**

- Back probe



Part #	Mfg #	Description	Price
237035	ATL-5	Modular Test Lead Tip	

## HVAC Testing Tools

### Electrical Testers

#### Non-Contact Voltage Tester

- High intensity, bright green LED indicator when on
- High intensity, bright red LED indicator when voltage is detected
- Package contains insert card with integrated owner's manual and (2) AAA 1.5V batteries



Part #	Mfg #	Description	Price
125141	NCVT-1	50 - 1000VAC	

#### Dual Range Non-Contact Voltage Tester

- Automatically detects and indicates:
  - Low voltage (12-48VAC)
  - Standard voltage (48-1000VAC)
- High intensity, bright green LED indicates the tester is operational and aids in illuminating the workspace
- Digitally controlled ON/OFF power button
- Auto power-off feature conserves and extends battery life
- Microprocessor controlled low-battery indicator
- CAT IV 1000V Rating
- Lightweight, durable polycarbonate plastic resin construction; convenient pocket clip



Part #	Mfg #	Description	Price
137459	NCVT-2	50 - 500Hz	

### Clamp Meters

#### CL200 Professional Series Clamp Meter

- Worklights illuminate dark work spaces
- Backlit display
- Data hold captures measurements in any situation
- Diode and continuity tests
- Includes test leads, batteries, case and thermocouple
- Measures temperature, frequency and capacitance
- 8.2"H x 3"W x 1.4"D



Part #	Mfg #	Description	Price
140679	CL200	1" Jaw, 600A AC w/Thermocouple	



## HVAC Testing Tools

### Meters

#### TurboMeter™

Part #	Mfg #	Description	Price
106684	439103	Air Velocity Meter	

#### Differential Pressure Meter

- Includes protective cap, batteries and calibration certificate
- Display in Pascal optional over entire measurement range
- Temperature compensation
- Magnetic back permits free-hand work
- Accuracy:  $\pm 0.01$  "H<sub>2</sub>O (0 to 0.12 "H<sub>2</sub>O) /  $\pm 0.02$  "H<sub>2</sub>O (0.13 to 0.4 "H<sub>2</sub>O)
- Flow velocity measurement with Pilot tube (Pilot tube not included in delivery)
- Air density compensation
- Includes:
  - Protective cap for safe storage
  - (2) Type AAA Batteries, 50 hour life
  - Including wrist strap and belt clip



Part #	Mfg #	Description	Price
142784	875044	Digital Differential Pressure Meter	

#### Smartphone Static Pressure Meter

- Automatically imports local weather data based on GPS location
- Easily emails professional, detailed reports
- Rugged, weather resistant housing with hands-free magnetic holder



Part #	Mfg #	Description	Price
180508	SPM-100	Dual Port Manometer Accessory	

## HVAC Testing Tools

### Meters

#### Economy Auto-Ranging Clamp-On Meter

- Reads volts, amps and ohms
- Data hold and continuity buzzer
- CAT II
- Includes carrying case



Part #	Mfg #	Description	Price
111388	MA-600CF	Temp Range: -38° to 1,750°F	

#### Oil & Glycol Refractometer



Part #	Mfg #	Description	Price
111392	MA-REF401F	Glycol Fahrenheit Refractor	

#### Torsion Mounting Bracket

- 5.5"

Part #	Mfg #	Description	Price
197937	MA-FM55	Mounting Bracket Motor	

## HVAC Testing Tools

### Meters & Testers

#### Digital Psychrometer

- Data hold
- Auto power off
- °F/°C switchable
- Power: 2 AAA batteries
- Dimensions: 7" x 1-7/8" x 1"
- Operating temperature range: 4° to 122°F
- Response time of 60 seconds to changes in humidity
- Display relative humidity & temperature simultaneously



Part #	Mfg #	Description	Price
182260	69008	Digital Psychrometer	

#### Gas Pressure Test Kit

- Helps to accurately set manifold pressure natural or L.P. gas
- Two gauge ranges available
- single bellows on brass plate design
- Sensitive diaphragm gauge calibrated in inches of water column and ounces per square inch
- Tube nipple for easy connection to system manifold



Part #	Mfg #	Description	Price
182330	78060	Gas Pressure Test Kit	

### Manometers

#### Dual Port Manometer

- Auto power-off
- 9V Battery required
- Single button operation
- Measures gas pressure, static pressure, & pressure differential
- Measures pressure between -19.95 and 19.95inWC (inches of water column)
- Includes a easy to use zero function
- Designed for HVACR field service technicians
- Measures pressure drop directly across two points such as filter pressure drop or flow volumes
- Positive and negative pressures can be read directly if measured on the appropriate input
- Kit includes: 30" tubing, clear hose, tube splice and 1/8" NPT brass fitting.



Part #	Mfg #	Description	Price
240354	78052	Dual Port Manometer	

### Water-Type Manometer

- Plastic tubing with fitting
- Set manifold pressure for natural gas or L.P. gas
- Strong magnet holds manometer in upright position



Part #	Mfg #	Description	Price
182335	78075	0-15" Water-Type Manometer	

### Detectors

#### AccuProbe™ UV Leak Detector

- Low battery indicator
- True mechanical pump
- 17" Probe length
- Instantaneous response time
- Power: 4 AA alkaline batteries
- SmartAlarm™ leak size indicator
- 3 selectable sensitivity level settings
- Long life, stable electrolyte sensor
- Humidity: 0 to 95% RH non-condensing
- Operating temperature range: 24° to 125°F
- Automatic calibration and reset to environment
- Clears in 12 seconds or less after exposure to a 1.75 oz (50 g)/year leak
- Sensitivity: HFC – 0.06 oz.(1.7 g)/year; HCFC – 0.03 oz.(0.9 g)/year; HFO – 0.15 oz. (4.3 g)/year



Part #	Mfg #	Description	Price
182305	69336	AccuProbe Leak Detector	

#### AccuProbe™ II Leak Detector

- Low battery indicator
- True mechanical pump
- 17" Probe length
- Instantaneous response time
- Power: 4 AA alkaline batteries
- SmartAlarm™ leak size indicator
- 3 selectable sensitivity level settings
- Long life, stable electrolyte sensor
- Humidity: 0 to 95% RH non-condensing
- Operating temperature range: 24° to 125°F
- Automatic calibration and reset to environment
- Clears in 12 seconds or less after exposure to a 1.75 oz (50 g)/year leak
- Sensitivity: HFC – 0.06 oz.(1.7 g)/year; HCFC – 0.03 oz.(0.9 g)/year; HFO – 0.15 oz. (4.3 g)/year



Part #	Mfg #	Description	Price
182306	69354	AccuProbe II Leak Detector	

## HVAC Testing Tools

### Combustible Gas Detector

- Probe length: 17"
- Sensor life: 500 hours
- Automatic calibration
- 25 second warm up time
- Instantaneous response time
- Power battery: 4 AA alkaline batteries
- Operating temperature range: 32° to 110°F
- Sensitivity: 5 ppm methane or better 2 ppm propane



Part #	Mfg #	Description	Price
182308	69373	Combustible Gas Detector	

### Parts & Accessories

Part #	Mfg #	Description	Price
182311	69384	AccuProbe Replacement Sensor & Filter	
182312	69385	AccuProbe Sensor Filters-5Pk	
182331	78062	Hose w/ Nipple for 78055/60	
182332	78064	Brass Barb Ftg For 78055/60	
182333	78065	Rubber Nipple for 78055/60	

## Knives & Replacement Blades

### Utility Knives and Knife Blades

#### Quick Open Utility Knife

- Retractable blade
- Integrated hinge



Part #	Mfg #	Description	Price
048168	9PK	3-Position	

#### Top Button Action Utility Knife

- Safe, easy to operate thumb action mechanism on top



Part #	Mfg #	Description	Price
006528	4PK	3-Position	



## Knives & Replacement Blades

### Utility Knives

#### Fastback Compact Flip Utility Knife

- Press and flip opening
- Compact size
- Quick blade change
- Belt clip
- Lanyard hole



Part #	Mfg #	Length	Price
188651	48-22-1906	6.2"	

#### Sliding Utility Knife

- Side slide activated blade
- Rubber over mold hand grip
- On board blade storage
- Tool-free blade change
- Integrated gut hook and wire stripper



Part #	Mfg #	Length	Price
137585	48-22-1910	7-1/4"	

#### 18mm Snap Off Knife

- Durable lock- up to 2x longer life
- Speed thread- 2x faster blade adjustment
- Microcarbide blade- up to 2x longer blade life
- Acetone resistant
- 8 Point blade



Part #	Mfg #	Length	Price
163299	48-22-1964	6"	

#### Fastback™ Utility Knife

- One-handed blade opening
- Tool-free blade change
- Wire stripper
- Integrated gut hook
- Thin body design



Part #	Mfg #	Length	Price
137584	48-22-1901	7-1/4"	
225380	48-22-1903	6-3/4"	

### HARDLINE™ Smooth Blade Pocket Knife

- Drop point smooth blade
- Flipper with bearing system
- Opening steel frame lock
- Glass filled nylon handle with stainless steel back
- Stone washed black oxide finish
- Reversible tip up belt clip
- Lanyard hole



Part #	Mfg #	Length	Price
243683	48-22-1928	10.3"	
222817	48-22-1994	6.9"	
222819	48-22-1999	8.2"	

### Multi-Purpose Knives

#### FASTBACK™ Smooth Folding Pocket Knife

- Press and flip operation: Permits one-handed opening
- Stainless steel drop-point blade: resharpenable edge for long lasting use
- Liner lock
- Slim, compact body: stores easily yet withstands job site abuse
- Piercing tip: allows controlled piercing and smooth cutting
- Lanyard hole
- Reversible wire-form belt clip



Part #	Mfg #	Length	Price
163301	48-22-1990	7-3/4"	

#### FASTBACK™ Spring Assisted Serrated Knife

- Spring-assisted opening: Permits one-handed operation
- Black oxide-coated stainless steel serrated blade: Maintains long-lasting sharp edge
- Liner lock
- Serrated blade: Ideal for tearing through material, Tanto tip: Ideal for piercing material
- Slim, compact body: Stores easily yet withstands job site abuse
- Reversible wire-form belt clip



Part #	Mfg #	Length	Price
162813	48-22-1995	8-1/4"	





## Knives & Replacement Blades

### FASTBACK™ Hawk Bill Folding Knife

- Press-and-flip operation: permits one handed opening
- Stainless steel curved blade
- Liner lock
- Slim, compact body
- Piercing tip: allows controlled piercing and smooth cutting
- Lanyard hole
- Reversible wire-form belt clip



Part #	Mfg #	Length	Price
170008	48-22-1985	7-1/4"	

### FASTBACK™ Spring Assisted Knife

- Spring Assisted Open for fast one-handed opening
- Black Oxide Stainless Steel Blade
- Liner Lock
- Reversible Wire Form Belt Clip



Part #	Mfg #	Length	Price
180512	48-22-1996	Realtree Xtra® Camo	

### HARDLINE™ Pocket Knife

- Drop Point Smooth Blade
- Flipper with Bearing System
- Opening Steel Frame Lock
- Glass Filled Nylon Handle with SS Back
- Stone Washed Black Oxide Finish
- Reversible Tip Up Belt Clip
- Lanyard Hole



Part #	Mfg #	Description	Price
222816	48-22-1997	2.5", Smooth Blade	
222818	48-22-1998	3", Serrated Blade	

### Duct Knife

- Stainless steel blade
- Full tang for tough cuts
- Double edged blade
- Durable sheath with belt clip
- Lanyard hole



Part #	Mfg #	Description	Price
181527	48-22-1920	Includes Sheath	

### Insulation Knife

- Stainless steel blade
- Full tang for tough cuts
- Rounded handle for smoothing applications
- Durable blade cover for storage
- Lanyard hole



Part #	Mfg #	Description	Price
181528	48-22-1921	Smooth Blade	
181529	48-22-1922	Serrated Blade	

### Replacement Blades

#### 50 PC General Purpose Utility Blades w/ Dispenser

- Micro carbide deposited metal delivers up to 3X longer life than standard carbon blades
- Precision grind process removes the burr from cutting edge for cleaner cuts
- Optimized grind angles deliver improved sharpness for less repeat cuts
- Made in the USA



Part #	Mfg #	Description	Price
163303	48-22-1950	50 PC General Purpose Utility Blades w/ Dispenser	

#### General Purpose Utility Blades

- Micro carbide dispersed metal
- Precision grind process removes the burr from cutting edge for cleaner cuts
- Optimized grind angles deliver improved sharpness for less repeat cuts



Part #	Mfg #	Description	Price
233562	48-22-1905	5 Pc	
219300	48-22-1934	5 Pc, Round Point	

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## Knives & Replacement Blades

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### Putty Knives



Part #	Mfg #	Size	Price
096245	K50-015	1-1/4"	

## Knives & Replacement Blades

### Knives

#### Lightweight Lockback Knife - Drop-Point Blade with Pocket/Belt Clip

- Blade is AUS8 stainless hardened to 58-59 Rc
- Anodized aluminum finish on handle is silver with stainless steel blade or black with black-chrome blade
- Reversible thumb stud



Part #	Mfg #	Blade Length	Color	Price
117588	44001-BLK	2-1/2"	Black	

### Utility Knives

#### Utility Blades

- Heavy-duty razor edged reversible



Part #	Mfg #	Description	Price
125646	44101	(5) Blades	

#### Double-Locking Folding Utility Knife

- Blade locks in both open and closed position
- Pocket/belt clip



Part #	Mfg #	Closed Length	Overall Length	Price
125645	44108	3"	6-1/8"	

### Pocket Knives

#### 2-Blade Lockback Pocket Knife - Drop Point & Screwdriver Tip Blades

- Anodized aluminum handle
- Thumb stud
- Includes removable pocket/belt clip

Part #	Mfg #	Description	Price
117581	44008	Stainless Steel	



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## Knives & Replacement Blades

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### Utility Knives and Blades

#### #82 Safety Nose Retractable Blade Knife

Part #	Mfg #	Description	Price
036760	38205	Heavy-Duty Red	

**Levels**

**Levels**

**Torpedo Level**

- Ideal for general use and work in tight places
- Three vials for plumb, level and 45° miter
- Full length strong magnetic edge
- V-Grooved edge for pipe and conduit work
- Large top read level vial



Part #	Mfg #	Model	Description	Price
051918	20233	395	9" Nightshade Level	

## Levels

### Empire Levels

#### TRUE BLUE® Magnetic DUAL-PITCH™ Torpedo Level

- Powerful rare earth magnets provide superior holding strength
- All aluminum frame with top read window
- V-Groove working edge for accurate alignment on pipe or conduit
- Ruler Groove compatible with most straight edges for extended measuring and marking
- Surface grip surrounds level vial for increased stability



Part #	Mfg #	Size	Price
232260	EM75.10	10"	

#### TRUE BLUE® Magnetic Billet Torpedo Level

- Powerful rare earth magnets provide superior holding strength
- High contrast e-BAND™ vials highlight the edge of the bubble
- VARI-PITCH™ vial reads slope at 1/8", 1/4", 3/8", or 1/2" per foot of horizontal run
- V-Groove working edge for accurate alignment on pipe or conduit
- Top read window provides clear overhead viewing
- Laser etched ruled edge allows for quick measurements on working material
- Tapered design for easy in and out of pocket
- Billet aluminum frame for superior durability



Part #	Mfg #	Size	Price
187324	EM71.8	8"	

#### Magnetic Torpedo Level

- High contrast e-BAND™ vials highlight the edge of the bubble
- High contrast vial surrounds improve vial visibility
- 3 vials - plumb, level and 45°
- V-Groove working edge for accurate alignment on pipe or conduit
- Aluminum frame with top read window
- Strong magnetic edge



Part #	Mfg #	Size	Price
218536	EM81.9	9"	
218537	EM81.12	12"	
173520	EM81.24	24"	
174326	EM81.48	48"	

#### TRUE BLUE® ULTRAVIEW™ LED Magnetic Box Level

- Surface grippers
- e-BAND™ vials made in the USA
- 2 minute auto shut-off or press and hold to turn off
- Hang hole for ease of storage
- Limited lifetime warranty on frame and vials. 1 year warranty on electronics
- 2 (AA) batteries included



Part #	Mfg #	Size	Price
224519	EM95.24	24"	
237855	EM95.10	10"	

### Levels

#### Compact Billet Torpedo Level

- Amplified rare earth magnets
- Maximized viewing area



Part #	Mfg #	Size	Price
226658	48-22-51	Billet Torpedo	
	07		

#### Torpedo Level Starter Kit

- Includes: (1) 24" Milwaukee Box
- Tough, water resistant nylon
- All metal hardware
- Durable zipper closure
- Two Integrated carrying or hanging handles
- Integrated external tool loops for additional tool storage
- Two debris vent to prevent dust, dirt and/or water build up



Part #	Mfg #	Size	Price
243836	MLBXC4	Includes Bag, 48" Level, 24" Level	
	8		



## Levels


### 24" / 48" REDSTICK™ Box Level Set



- ALL-METAL BACKBONE™
- SHARPSITE™ Vial Technology
- High Density, Removable End-Caps protect frame and provide access in tight spaces
- Wide, durable handles for comfort and portability
- Precision milled measuring surface guarantees accuracy in all working positions
- Overmolded, Non-Slip Grips stick to the wall and prevent sliding
- Durable, All-Metal Hang Hole for storage

Part #	Mfg #	Size	Price
234217	MLBXS48	24" & 48"	

### 48" REDSTICK™ Box Level

- ALL-METAL BACKBONE™ 
- SHARPSITE™ Vial technology
- Guaranteed lifetime accuracy: accurate to .029°
- High contrast vial system is easy to clean and optimizes visibility
- High density, removable end-caps protect frame and provide access in tight spaces
- Wide, durable handles for comfort and portability

Part #	Mfg #	Size	Price
245215	MLBX48	48"	
245217	MLCM48	48" Compact	
245218	MLCMM4	48" Magnetic Compact	
	8		

## Levels

### Levels

#### Torpedo Level

- Aluminum construction
- Professional quality



Part #	Mfg #	Description	Price
110080	J40-100	7-1/2" Length, Magnetic Sides	



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## Levels

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### Levels

#### Pocket Level



- Strong molded plastic frame with pocket clip
- Multi view vial reads top, bottom or side
- Ideal for leveling thermostats

Part #	Mfg #	Length	# of Vials	Price
006443	L5	5"	1	

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**Levels**

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**Levels**



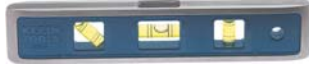
Part #	Mfg #	Description	Price
008910	R148700	ML-24	

## Levels

### Torpedo Levels

#### Aluminum Level

- *Lightweight, precision made*
- *Acrylic plastic yellow vials*



Part #	Mfg #	Description	Price
110504	930-9	9" Level, Plumb & 45°	

#### Heavy-Duty Level with Magnet

- *Allows hands-free measurements on iron or steel surfaces*
- *Features Rare Earth magnets and vial frames with E-Z-See™ glow-in-the-dark-material*



Part #	Mfg #	Description	Price
111224	931-9RE	9" Level, Plumb & 45°	

#### Torpedo Level

- *Large, high visibility vials are easy-to-read*
- *Rare Earth magnet*
- *Vials set for measurements at 0°, 30°, 45° and 90°*
- *Machined billet aluminum design*
- *High contrast laser etched markings*



Part #	Mfg #	Description	Price
125146	932-9RE	9" Level, Plumb, 30°, & 45°	

**Miscellaneous Tools**

**Maxstraps**

**The Original 1" Polypropylene Cam Tiedown**

- Ideal for lumber, pipe, ladders, and outdoor gear
- Weather and sunlight resistant
- 750 lb Test
- Rustproof cam buckle
- Easy thumb release



Part #	Mfg #	Description	Price
053091	00216	2' Black	
053093	00411	4' Red	
053094	00612	6' Yellow	
053095	00813	8' Green	
053096	01014	10' Blue	

## Miscellaneous Tools

### Utility Strap

#### Rubber Tie Down Strap

- Stretches to double its length
- Extra heavy steel S-hooks on each end



Part #	Mfg #	Description	Price
002270	540-31	31" Rubber Strap	

### Strapping Hanger Iron

- Galvanized 3/4in. vent strapping, hanger iron, plumber's tape, pipe hanger tape and many other uses
- 1/4in. centers for bolts or nails.



Part #	Mfg #	Description	Price
194311	710-A16100	3/4" x 100'	

### Hanging Strap

- Strong, versatile, easy way to secure loose gear safely. Tie down ladders, tubing, cylinders or almost anything in seconds.
- Cannot snap back. Strong, durable 1 in. polypropylene webbing.
- Reinforced grommet lets you hang it up, tie it up, hook it up or attach it permanently.
- Spring loaded adjustable buckle. Easy to get firm tension with no slipping.
- Make an endless length by connecting 2 or more together.



Part #	Mfg #	Description	Price
046209	HS-30	30"	
049072	HS-60	60"	

### Ratchet Strap

- Easy ratcheting permits tie-down of appliances securely.
- An innovative latch and a fast release cam reduces socket wear.
- Cadmium-plated steel buckle has a positive lock that eliminates release due to vibration.
- When closed, the handle locks the latch into the sprocket to prevent inadvertent release. 16 foot nylon webbing rated at 3000 PSI tensile.
- Vinyl coated end hooks rated at 1200 PSI tensile.



Part #	Mfg #	Description	Price
192407	HS-192	16 ft	

### Woven Polypropylene Duct Strap

- Webbed duct strap processing high tensile and abrasion resistance.
- This can be used for flex duct as it is easy to cut and staple to joists.
- The product is chemical resistant and tested to meet UL Standard 2043.



Part #	Mfg #	Description	Price
192065	710-100	1-3/4" x 100 Yards	
137962	710-102	3" x 100 Yards	

### Metallic Duct Strap

- Galvanized duct strap in a convenient cardboard dispenser is not only easy to drill or nail, but also solid strapping.
- Plenum rated.



Part #	Mfg #	Description	Price
192070	710-001	26 Gauge, 1" x 100'	
194518	710-003	30 Gauge 1-1/2" x 100'	

### Miscellaneous Tools

#### Fin Whisk

- Plastic handled whisk for cleaning condenser and evaporator fins



Part #	Mfg #	Description	Price
141528	B-26	Fin Whisk Brush	

## Miscellaneous Tools

### Chip Brush

- 100% pure bristle
- Wood handle
- Poly sleeve over bristles
- Use once and throw away



Part #	Mfg #	Description	Price
195230	B-504	2-1/2" Chip Brush	

### SuperComb

- Easier to grip, easier to use tool for straightening condenser and evaporator fins.
- Straightens 50% more fins in one stroke.
- Keeps hands a safe distance from fins.
- Easy to grip, strong, durable, heavy duty nylon.
- Color coded for easy identification.
- 6 per set.



Part #	Mfg #	Description	Price
143979	T-400	6 Pack	

### Multi-Head Fin-Tool

- Conveniently straightens and cleans condenser and evaporator fins.
- Each nylon head slides into the master handle and tightens in place.
- Heads are designed to fit units with fin spacing of 4–24 fins per inch.
- Each head is engraved with its own size and is color coded for fast identification.
- Heads are angled so that when inserted in the handle, the hand is a safe distance from the sharp fins.
- Heads may also be reversed in the handle so that combing with an upward stroke (recommended method) may be done easily with proper leverage.
- The master handle rests comfortably in a man-size grip, is rigid and long lasting.



Part #	Mfg #	Description	Price
192409	T-100	6 Heads, 1 Handle	

## Miscellaneous Tools

### Telescoping Tools

#### Reach-It

- Retracts to 5" long, extends to 26-3/4"
- Chrome-plated brass



Part #	Mfg #	Description	Price
002268	R-1	Reach-it Tool	

### Telescopic Inspection Mirror

- American made
- Double ball joint links swivel mirrors for viewing to 360°



Part #	Mfg #	Description	Price
192406	M-2	2-1/4" Circular Extends 10-14"	
002322	M-5	1" x 2" Oval Extends 8-1/2"	

### Refrigeration Tools

#### Nitrogen Purge Tool

- Adjustable dial
- Quickly switch between braze, purge or off
- Accurately regulates flow and volume for purging or brazing



Part #	Mfg #	Description	Price
234800	DP-1	Adjustable Dial	

#### Access Fittings

- May be installed in any position on either high or low side for charging, purging, quick testing, or pressure checking



Part #	Mfg #	Description	Price
192402	VC-4	Flare Cap, 1/4" SAE Male	
193548	VVC-1	Valve Core	
195766	VST-44	Swivel Tee	
195768	VTS-68	Solder Tee 3/8"	
195769	VTS-12	Solder Tee 3/4"	
206641	VS-4	Swivel Female Nut	

### Extended Copper Tube

- For refrigeration servicing
- May be installed in any position
- 1/4" SAE male flare access ports
- Includes
  - Quick seal cap
  - Stainless and brass special refrigerant valve core



Part #	Mfg #	Description	Price
192416	VAX-2	Extended Copper Tube, 1/8"O	
192415	VAX-3	3/16" O.D. x 1/8" I.D.	
224361	VAX-4	Ext Copper Tube, 1/4"ODx3/16"ID	

### Cop Cap™ Locking Valve Cover

- Includes 2 caps, 1 wrench



Part #	Mfg #	Description	Price
204182	VVC-4	2 Caps and 1 Wrench	

### Copper Saddle Valve

- For copper-to-copper brazing.
- Penetrates line in one easy operation with no holes to drill.
- Steel pin with valve core pierces line and is locked into valve body by tightening cap.
- Teflon ring assures positive seal.
- Available in sizes from 1/4in. to 1-1/8in..



Part #	Mfg #	Description	Price
192413	VLC10	5/8in. O.D. Tube Size, Pack of 3	
192414	VLC12	3/4in. O.D. Tube Size, Pack of 2	
194230	VLC-6	3/8in. O.D. Tube Size, Pack of 6	
196482	VLC-8	1/2in. O.D. Tube Size, Pack of 4	
196181	VLC-4	1/4in. O.D. Tube Size, Pack of 6	

### Core Storer

- All steel valve core remover and storage container.
- Completely knurled for easier grip, eliminating slippage when using with oily or greasy hands.
- Core Storer features a compartment for storing extra valve cores.
- Four replacement cores are included with each tool.



Part #	Mfg #	Description	Price
192398	VCR-1	Core Remover and Store	

## Miscellaneous Tools

### Staple Guns

#### T-50 Series Staples

- Used extensively by building contractors, home do-it-yourselfers and specialty trade applications for tacking insulation, ceiling tile, window screening, cornerite, and 1001 other jobs ranging from light to heavy duty work.
- The T-50 Outward Clinch Staple Gun is ideal for fiberglass ductwork.



Part #	Mfg #	Description	Price
196495	540-509	9/16" Staples for T50 Staple Guns	

### Miscellaneous

#### Surge Trap® STXH Series

- TPMOV® technology
- 1/2"-14 threaded hub
- LED status indicator
- Frequency: 50-60 Hz
- Pre-wired 18" 10AWG
- -40°C to +85°C Temperature
- Volts: 120/240VAC split phase
- Surge capacity: 50kA
- Nominal discharge current rating: 20kA
- Short-circuit current rating: 200kA
- Includes sealing locking washer
- Compact footprint designed to mate with AC disconnect switches
- 3 Modes of protection (L-N, L-L)
- Fits 1/2" knockouts with 18" leads
- NEMA 4X enclosure for outdoor or indoor use
- For use in ANSI/UL Type 1 or 2 SPD installations



Part #	Mfg #	Description	Price
245751	STXH240S0	120/240VAC Split Phase	
	5		



**Miscellaneous Tools**

**Tools**

**Pro-Set® Inspection Mirror**



Part #	Mfg #	Description	Price
098914	87-TLMIR3	3.5" x 2.12" Rectangular Telescoping Mirror	

**Batteries**

**Batteries - Alkaline**

- Batteries all alkaline
- Attractive retail-type packaging



Part #	Mfg #	Description	Price
180520	BV900243	AA - 18 PK	
180522	BV900244	AAA - 18 PK	
180521	BV900245	9V - 4PK	
180523	BV900269	C - 2PK	

## Miscellaneous Tools

### Flue and Boiler Tube Brushes

#### Fine-Wire Single Spiral Brush

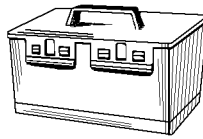
- For small boilers, burners, nozzles and fans
- 3" Brush lengths

Part #	Mfg #	Description	Price
007444	01216	3/4" Dia, 24" OAL 4" Loop, Carbon Steel	

### Tool Cases

#### Stackable Utility Case

- Tough, durable, double-lock catch, 12" x 6" x 6"
- Lifetime guarantee



Part #	Mfg #	Description	Price
007462	75600	Tote Box - Carton	

### Lock 'N Load Heavy-Duty Drybox

- Locks out moisture as well as dirt and grime
- (3) Compartments store and organize tools and accessories
- Easy access top compartment is ideal for small tools and parts
- Dimensions: 15" x 8" x 10"

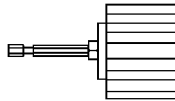


Part #	Mfg #	Description	Price
061933	75605	Lock 'N Load Drybox, Carton	

### Tube Cleaning Brushes

#### #6200 Series Power Tube Cleaning Brush

- Use for solder or brazed fittings
- Carded 1/4" hex-shank tube cleaning brushes
- Point-of-purchase display



Part #	Mfg #	Description	Price
007454	62350	1/2" Bagged	
007455	62370	3/4" Bagged	

### Toilet Bolts



Part #	Mfg #	Description	Price
169958	73065	5/16" x 2-1/4"	
235895	73070	5/16" x 3-1/2"	



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## Miscellaneous Tools

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### Chemicals

#### Insecticide

Part #	Mfg #	Description	Price
140752	85-200	Bee/Wasp Spray	
189900	4292-75	Nu-Kill II Aerosol - 14oz	

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**Miscellaneous Tools**

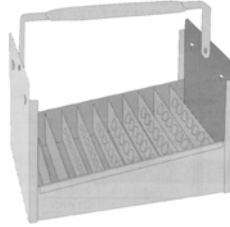
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**Cases & Carriers**

**Nipple Box**

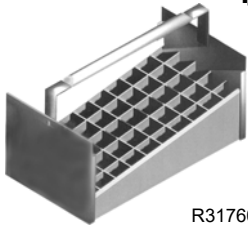
- Holds 1/2" CL through 6" nipples
- Fold away handle
- Epoxy coated steel



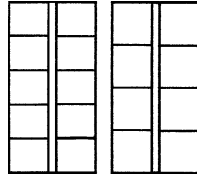
Part #	Mfg #	Size	Holds	Price
013210	3080	1/2"	77	

**Miscellaneous Tools**

**Nipple Boxes**



R317600



R318410

Part #	Mfg #	Description	Price
014776	R317600	E-51-R 3/4"	
094631	R318380	Ladder Mate	
080438	R318410	Galvanized Fitting Tray	

**Plumb Bob Red Bucket**

Part #	Mfg #	Description	Price
226028	PLUMBBOBBUCKET	5 Gallon Bucket	
226029	PLUMBBOBLID	Lid for 5 Gallon Bucket	

## Miscellaneous Tools

### Nipple Caddies

#### Steel Nipple Caddy Tray

- Steel construction
- Push away handles
- Baked epoxy finish
- Nipple storage range (close - 6")



Part #	Mfg #	Description	Capacity	Price
109306	N70-050	1/2" Nipple	77-Pc	
109307	N70-075	3/4" Nipple	66-Pc	
109308	N70-016	1" Nipple	50-Pc	

### Internal Pipe Nipple & Screw Extractors

#### Internal Pipe Nipple Extractors

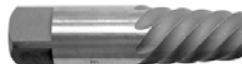
- Heat treated and cad plated



Part #	Mfg #	Size	Price
056472	J40-050	3/8"	
041956	J40-051	1/2"	
041957	J40-052	3/4"	

#### Nipple and Screw Extractor

- Left hand spiral
- Removes nipples, bolts, and screws w/o thread damage
- Sizes:
  - J41104: 1/4" Pipe, 19/64" Drill, 3/8"-5/8" Bolt
  - J41106: 1/2" Pipe, 17/32" Drill, 7/8"-1-1/8" Bolt
  - J41107: 3/4" Pipe, 13/16" Drill, 1-1/8"-5/8" Bolt
  - J41108: 1" Pipe, 1-1/16" Drill, 1-3/8" - 2" Bolt



Part #	Mfg #	Description	Price
186259	J41104	1/4" Pipe	
186926	J41106	1/2" Pipe	
186927	J41107	3/4" Pipe	
186929	J41108	1" Pipe	

### PlumBest Handi-Plug

- Combination test plug and stub-out for drop eared elbow
- No thread seal required
- Re-usable - long lasting
- Time and labor savings
- Smooth at thread end for easy plastering



Part #	Mfg #	Description	Price
073271	H54-050	1/2" MIP Handi-Plug	

### Packing

#### Graphite Packing

- Non-asbestos material in resalable spools



Part #	Mfg #	Description	Price
045477	T60-005	1/8" Diameter x 12' Spool	

### Utility Pry Bar



Part #	Mfg #	Description	Price
041929	S49-489	13" Utility Pry Bar	

### Probing Rod

#### Steel Probing Rod

- Welded steel construction
- Stainless steel replaceable tip



Part #	Mfg #	Description	Price
043178	P27-004	4' Steel Probing Rod	

### Caulk Guns

#### Drop-In Half-Barrel Type Caulk Gun

- Painted steel



Part #	Mfg #	Description	Price
021059	C35-090	9" Barrel Caulk Gun	

### Caulking Tools

#### Inside Caulking Tool

- For finishing lead joint



Part #	Mfg #	Size	Price
053532	J41-009	5/8"W x 7"L	

## Miscellaneous Tools

### Outside Caulking Tool

- For finishing lead joint



Part #	Mfg #	Size	Price
053533	J41-010	5/8"W x 7"L	

### Caution Tape

- Black print on safety yellow
- 3 mil Thickness



Part #	Mfg #	Size	Price
041971	J43-300	3" x 300'	

### Knee Pads

#### Heavy Duty Foam Economy Knee Pads

- Lightweight and water-resistant
- Comfortable while kneeling, standing or walking
- Won't pinch or bind behind knee
- Soft, breathable inner lining for coolness and comfort
- Velcro closures on straps



Part #	Mfg #	Description	Price
224085	K01120	1 Per Pack	

### Shop Towels

#### Terry Towels

- Cotton Terry Cloth



Part #	Mfg #	Description	Price
224076	B05-025	(3) Pack	

#### Cotton Plumbers Handy Towel

- Heavy-duty shop towels
- Washable, reusable and non-abrasive



Part #	Mfg #	Description	Price
069432	B05-004	(12) Towels per Bag	

### Wypall® Teri® Towel

- Strong and durable, wet or dry
- Reusable
- Equivalent to 18 lbs of rags
- Reinforced HYDROKNIT® provides extra scrubbing power



Part #	Mfg #	Description	Price
107287	B05-003	(125) Sheets per Box	

### Box of Rags

- Colored cotton sweatshirt material
- 100% Recycled
- Pull-out dispensing



Part #	Mfg #	Description	Price
041975	B05-001	5 lb Box of Rags	

### Heavy Duty Big Wipes

- 80 Count
- 8" x 12" wipes
- Removes paint, glue, oil, sealants, grease, and grime
- Dermatologically tested, plus Vitamin E and Aloe Vera added
- Dual sided, scrubs and cleans



Part #	Mfg #	Description	Price
186715	B05050	80 Count	

### Trash Bags

- 2'8"x 42"
- 20 bags per box
- 42 gal
- 3 mil



Part #	Mfg #	Description	Price
181931	G02042	42 Gallon Trash Bags	

## Miscellaneous Tools

### Marking Paints

- Inverted tip
- Water base formula
- Fast-drying and non-clogging
- Color-coded paint:
  - White for general purposes
  - Red for electric and fire protection systems
  - Blue for water and irrigation
  - Orange for telephone, telegraph and cable TV systems



Part #	Mfg #	Color	Price
043622	J40-380	White	
041973	J40-381	Yellow	
041974	J40-382	Red	
043621	J40-383	Blue	
095800	J40-385	Orange	

### Bucket Caddies (Continued)

Part #	Mfg #	Description	Price
129190	T60-106	5 Gallon Bucket	
229436	T60-111	5 Gallon Bucket, (3) Large Trays	

### Washers

#### Assorted Flat Washer Kit

- Contains:
  - 40-00, 40-0, 40-1/4, 30-1/4 large,
  - 20-3/8 & 20-3/8 medium,
  - 10-3/8 large & 10-1/2 large
- Available with flat or beveled washers



Part #	Mfg #	Description	Price
118020	J40-151	210 Pieces	

### Sponges and Brushes

#### Commercial Grade Cellulose Sponge

- 8" x 4-1/2" x 3/4"
- Deeply textures
- Made in USA



Part #	Mfg #	Description	Price
093645	S50-002	Large, 8" x 4-1/2" x 3/4"	

#### Show Handle Wire Brush w/ Scraper

- 4x16 rows
- Removes rust and corrosion from metals
- Oil tempered carbon steel wire tynes
- Smooth sanded hardwood block



Part #	Mfg #	Description	Price
190129	B29902	Show Handle, 4x16 rows	

### Bucket Caddies



T60-102

Part #	Mfg #	Description	Price
084476	T60-102	5 Gallon Bucket, (1) Large & (4) Small Trays	
126414	T60-105	Lid for 5 Gal Bucket	



**Miscellaneous Tools**

**Tool Holders**

**Tape Measure Holder - Powerline™ Series**

- Holds most tape measures with belt clips
- Rust-resistant metal clip riveted for strength
- Tunnel belt connection up to 2-1/4" belt width
- 1000 Denier DuPont Cordura® nylon
- Washable

**PowerLine™ Series**



Part #	Mfg #	Overall Size	Price
110786	5707	4-1/8" x 3-3/4"	

**Zipper Canvas Bag**

- Constructed of No. 8 canvas



Part #	Mfg #	Description	Price
107648	5140	Set of 4, 7" x 12-1/2", Olive, Orange, Royal Blue, and Yellow	

**Tool Bags**

**Tool Organizer**

- Constructed of double-layered 600 x 300 denier polyester
- Water-resistant
- Interior pockets include:
  - (3) Tool sleeves
  - (1) Power tool/cord sleeve
  - (6) Universal pockets
- Exterior pockets include:
  - (9) Screwdriver/nut driver pockets
  - (11) Plier pockets
  - (11) Utility pockets
  - (2) Wire stripper pockets
  - (2) Velcro® closable pockets
- Heavy-duty webbing keeps pockets open for easy access to supplies and tools
- Tools are sold separately



Part #	Mfg #	Description	Price
106843	5777	Tool Organizer 45 Pockets	

## Miscellaneous Tools

### Radios/Speakers

#### M18™/M12™ Wireless Jobsite Speaker

- AC adapter
- Impact resistant roll cage
- Stream high definition music from over 100ft.



Part #	Mfg #	Description	Price
229138	2891-20	12V and 18V	

#### M18™ Jobsite Radio

- Customizable EQ
- 2.1A USB charger
- 10 station presets
- 3.5mm Aux In Port
- Powered by all M18™ Batteries or A/C outlet —(battery not included)
- Weather sealed auxiliary compartment
- Up to 12hrs run time with an M18™ 5.0Ah battery



Part #	Mfg #	Description	Price
185219	2890-20	M18™ Job Site Radio	

#### M18™ Job site Radio/Charger

- Built-in charger
- Digital Bluetooth® receiver
- USB power port
- 40-watt amplifier
- Customizable equalizer
- 10-station preset
- Reinforced roll cage and metal handles
- Weather-sealed compartment
- On-board bottle opener
- Includes:
  - (1) M18™ Job site radio/charger (2792-20)
  - (1) 16" Auxiliary input cord
  - (2) AAA batteries



Part #	Mfg #	Description	Price
163377	2792-20	M18™ Job Site Radio/Charger	

#### M12™ Job site Radio

- Digital reception with signal processor
- 1/8" Stereo jack auxiliary input



Part #	Mfg #	Description	Price
139355	2590-20	Bare Tool	

### M12™ Wireless Jobsite Radio

- Bluetooth® Connectivity with portable electronic devices up to 30ft away
- Premium Speaker with integrated Bass Port delivers loud, clear sound at all volumes
- Jobsite Durability
- 2.1A USB Charger electronic devices
- 3.5mm Aux In Port for wired playback (cable not included)
- Integrated Loop for easy hanging and transport



Part #	Mfg #	Description	Price
172937	2592-20	Bare Tool	
181843	2592-21	Kit	

### Carrying Cases and Bags

#### Zipper Pouch

- Hang loop
- Rugged metal zipper
- Heavy duty No. 10 canvas
- Water resistant stand-up base



Part #	Mfg #	Description	Price
170552	48-22-8180	Zipper Pouch	

#### 3 PK Zipper Pouches

- Hang loop
- Rugged metal zipper
- Water resistant stand-up base
- Heavy duty No. 10 canvas



Part #	Mfg #	Description	Price
170554	48-22-8193	3 Pk Zipper Pouches	

#### Meter Case

- Rugged nylon
- Three sided zipper closure
- One inside pocket, one compartment
- Strong nylon strap with snap closure
- The following Milwaukee meters fit this case:
  - 2205-20 Fork meter
  - 2206-20 Fork meter for HVAC/R
  - 2216-20 Digital multimeter
  - 2217-20 Digital multimeter
  - 2235-20 400amp clamp meter
  - 2265-20 Laser temp-gun
  - 2266-20 Laser temp-gun



Part #	Mfg #	Description	Price
164509	48-55-0175	Meter Case	

## Miscellaneous Tools

### Carrying Cases and Bags (Continued)

#### Meter Case

Part #	Mfg #	Description	Price
164510	48-55-0180	Large Meter Case	

#### Job Site Organizer

- Mountable bins
- Full access when stacked
- 20% More capacity
- Weather seal
- No-travel bins seals



Part #	Mfg #	Size	Price
176587	48-22-8030	14" x 18" x 5"	

#### Jobsite Cooler

- 2X the insulation
- Food grade leak proof liner
- 1680D ballistic material
- Holds ice for 24 hours
- Heavy duty metal zippers
- Padded shoulder strap
- Tape measure clip w/ bottle opener
- Tech Pocket for storing tablets and electronic devices
- Dry storage compartment
- No sweat exterior
- 3 Total pockets inside and 5 pockets outside
- Holds 21.65 liquid quarts



Part #	Mfg #	Description	Price
239938	48-22-8250	11.1"L x 13.77"W x 14.96"H	

#### Organizer Bag



Part #	Mfg #	Use with:	Price
145691	49-17-0110	Contractor Parts Organizer	

### Job Site Backpack

- 35 Pockets for organizing tools
- Bulk pocket
- Impact resistant molded base
- 1680 Ballistic material
- Load-bearing harness
- 15.6" Laptop sleeve
- Attachment strap



Part #	Mfg #	Description	Price
170551	48-22-8200	Job Site Backpack	

### Ultimate Jobsite Backpack

- 48 Pockets, 2 external
- 1680D Ballistic material
- Impact resistant base
- Sternum strap
- Tape measure clip
- Rugged metal zippers
- Attachment strap for dolly's
- Loaded-bearing harness
- Hardshell protected electronic & equipment pockets



Part #	Mfg #	Description	Price
238907	48-22-8201	Ultimate Job Site Backpack	

### Low-Profile Job Site Backpack

- 22 Pockets, 4 external
- 1680D Ballistic material
- Reinforced base
- Sternum strap
- Tape measure clip
- Rugged metal zippers
- Attachment strap for dolly's
- Padded electronics sleeve



Part #	Mfg #	Description	Price
238908	48-22-8202	Low-Profile Jobsite Backpack	

### Jobsite Tech Bag

- Impact resistant molded base
- 1680D ballistic material construction
- Integrated rain fly
- Protected tech pocket
- 53 Total pockets



Part #	Mfg #	Description	Price
188643	48-22-8210	Tech Jobsite Bag	

## Miscellaneous Tools

### Contractor Bag

- Tough, water resistant 600 denier material
- Shoulder strap or dual handle straps for easy carrying
- Durable zipper closure
- Ideal for tool and accessory storage



Part #	Mfg #	Description	Price
140379	48-55-3500	20-1/2"L x 9"W x 8"H	
140378	48-55-3510	18"L x 11"W x 10"H	
225575	48-55-3490	17"L x 9"W x 10"H	
140377	48-55-3530	26-1/2"L x 13"W x 14"H	

### Contractor Work Belt w/ Suspension Rig

- 24 Pockets
- 1680D Nylon construction
- Riveted seams
- All metal hardware
- Integrated carry handles
- Puncture resistant pocket
- Padded work belt- Fits 30" to 53" waists



Part #	Mfg #	Description	Price
170550	48-22-8120	Includes Suspension Ring	

### Electricians Work Pouch w/ Quick Adjust Belt

- 15 Pockets
- 1680D Nylon construction
- Riveted seams
- All metal hardware
- Integrated carry handle
- Stable base
- Puncture resistant pocket
- Tape measure clip
- Belt slot- fits up to a 3" work belt
- Quick adjust belt



Part #	Mfg #	Description	Price
170548	48-22-8100	Work Pouch w/ Adjustable Belt	

### Electricians Work Belt

- 29 Pockets
- 1680D nylon construction
- Riveted seams
- All metal hardware
- Integrated carry handles
- Stable base
- Puncture resistant pocket
- Tape measure clip
- Belt slot- Fits up to a 3" work belt



Part #	Mfg #	Description	Price
170549	48-22-8110	Electricians Work Belt	

### Packout™ Tote

- All metal hardware
- Padded shoulder strap
- Durable overmolded handle
- Impact resistant molded base
- 1680 Ballistic material construction
- Part of the PACKOUT™ modular storage system



Part #	Mfg #	Tote Size	Pockets	Price
237607	48-22-8310	10"	28	
237606	48-22-8315	15"	31	
237605	48-22-8320	20"	32	

### Parachute Organizer Bag

- Stand up, stay open design
- Stackable
- Reinforced water resistant base
- External zipper pocket storage



Part #	Mfg #	Tote Size	Pockets	Price
221399	48-22-8170	11.81"L x 11.02"H		

### Bucket-Less Tool Organizer

- Padded handles
- 50 total pockets
- Heavy-duty water resistant 600 Denier Ripstop Polyester Material
- Internal hammer loop keeps hammer easily accessible



Part #	Mfg #	Tote Size	Pockets	Price
138843	49-17-0180	50 Pockets		



## Miscellaneous Tools

### Bucket Organizer Bag

- Open Bucket Design - Allows full access and use of the interior of the bucket
- 2 Exterior Zipper Pockets
- 1680D Ballistic Material Construction
- 32 Exterior Pockets



Part #	Mfg #	Tote Size	Pockets	Price
221400	48-22-8175	10.04"L x 2.17"W x 13.39"H		

### 18" Jobsite Rolling Bag

- 6" All-Terrain Metal Rim Wheels
- Industry's Strongest Extendable Handle
- All Metal Skid Plates
- Full Length Metal Axle
- 200 lbs Weight Capacity
- Wide Grip Handle
- Fold Down Front Panel
- 1680D Ballistic Material Construction
- Integrated Tablet Sleeve
- 66 Total Pockets



Part #	Mfg #	Description	Price
233580	48-22-8221	19-1/2"W x 16"L x 21"H	

### 24" Hardtop Rolling Bag

- Designed for stacking
- 6" All-terrain metal rim wheels
- Strongest extendable handle
- 250 lbs Weight capacity
- Wide grip handle
- Fold down front panel
- 1680D Ballistic material
- Integrated tablet sleeve
- 53 Total pockets



Part #	Mfg #	Description	Price
230510	48-22-8220	25"W x 16"L x 21"H	

### Packout™ Rolling Tool Box

- 9" All-terrain wheels
- Interior organizer tray
- 250lbs weight capacity
- IP65 Rated weather seal
- Industrial grade extension handle
- Metal reinforced corners & locking point
- Constructed with impact resistant polymers
- Mounting Location for the ONE-KEY™ TICK™
- Part of the PACKOUT™ modular storage system



Part #	Mfg #	Description	Price
237609	48-22-8426	Packout Rolling Tool Box	

### Packout™ Tool Box

- Interior organizer tray
- IP65 Rated weather seal
- Impact resistant polymers
- Metal reinforced corners, locking point, & top handle
- Mounting Location for the ONE-KEY™ TICK™
- Part of the PACKOUT™ modular storage system



Part #	Mfg #	Description	Price
237611	48-22-8424	75lbs Capacity, W/O Handle	
237610	48-22-8425	Large Box, 100lbs Capacity	

### Packout™ Compact Organizer

- IP65 Rated weather seal
- 5 Removable & mountable bins
- Impact resistant polymers
- No-travel bins seal prevent small part migration between Bins
- Part of the PACKOUT™ modular storage system



Part #	Mfg #	Description	Price
237613	48-22-8435	Compact Organizer	

### Packout™ Organizer

- IP65 Rated weather seal
- 10 Removable & mountable bins
- Impact resistant polymers
- No-travel bins seal prevent small part migration between Bins
- Part of the PACKOUT™ modular storage system



Part #	Mfg #	Description	Price
237612	48-22-8430	Packout Organizer	

## Miscellaneous Tools

### 48" Level Bag

- Tough, water resistant nylon construction
- All metal hardware to ensure ultimate durability
- Durable zipper closure
- Two integrated carrying or hanging handles
- Integrated external tool loops for additional tool storage
- Two debris vent to prevent dust, dirt and/or water build up



Part #	Mfg #	Description	Price
243112	MLSB48	48" Level Bag	

### M12™ Tool Holster

- Heavy duty nylon material
- Easy snap-on
- On board bit storage
- Compatible with most M12™ drilling & fastening tools



Part #	Mfg #	Description	Price
151175	2335-20	Tool Holster	

### 13" Job Site Work Box

- Impact resistant construction
- Vertical tool storage tray
- 16" Seat height
- Cut groove
- Wide grip locking handle
- Drip ledge lid
- Indexing square
- Made in USA



Part #	Mfg #	Description	Price
170620	48-22-8010	13" Job Site Work Box	

### 26" Job Site Work Box

- Impact resistant construction
- Buttressed hinges
- Protected recessed latches
- Reinforced corners
- Integrated weather seal
- Clamping cut groove
- Over molded wide grip handle
- Pass through side grips
- Integrated screw mounting bosses
- Corner pocket storage
- Space for long and bulky tools
- Indexing square
- Made in USA



Part #	Mfg #	Description	Price
170622	48-22-8020	26" Job Site Work Box	

### Belt Clip

Part #	Mfg #	Description	Price
164935	42-70-2653	Assembly	

### Milwaukee® Markers

#### INKZALL® Marker

- Clog resistant marker tip
- Writes through dusty, wet and oily surfaces
- Write on concrete, OSB and rough surfaces
- Built-In hard hat storage clip
- Fine point
- Ink dries in seconds
- Lanyard hole
- Anti-roll body design
- Non-toxic ink



Part#	Mfg#	Color	Point	Pk	
165641	48-22-3100	Black	Fine	1	
171184	48-22-3105	Black	Fine	2	
166905	48-22-3104	Black	Fine	4	
175754	48-22-3102	Black	Medium	2	
186547	48-22-3170	Red	Fine	1	
186548	48-22-3180	Blue	Fine	1	
186549	48-22-3190	Green	Fine	1	
189841	48-22-3121	Silver	Fine	2	
189843	48-22-3123	Silver/Gold	Fine	2	
226974	48-22-3107	Multi	Fine	8	

## Miscellaneous Tools

### INKZALL® Paint Marker

- Writes on dirtiest, hottest, roughest surfaces
- Durable acrylic nib
- Water & UV resistant markings
- 10 second dry time
- Marks on surfaces up to 300F
- Valve action marker



Part#	Mfg#	Color	Point	Pk
189845	48-22-3711	White	Paint	1
189844	48-22-3712	White	Paint	1
189848	48-22-3721	Yellow	Paint	1
189567	48-22-3722	Yellow	Paint	1
189854	48-22-3771	Orange	Paint	1
189851	48-22-3741	Red	Paint	1
189849	48-22-3731	Black	Paint	1
189852	48-22-3751	Green	Paint	1
189853	48-22-3761	Blue	Paint	1

### 1PK Medium Chisel Black Marker

- Clog resistant chisel tip marker
- Built-in hard hat storage clip
- Writes through dusty, wet, and oily surfaces
- Writes on concrete, OSB, and rough surfaces



Part#	Mfg#	Color	Point
171183	48-22-3103	Black	Med Chisel

### INKZALL® Stylus & Fine Point Black Marker

- Conductive stylus tip
- Clog resistant marker tip
- Writes through dusty, wet and oily surfaces
- Writes on concrete, OSB and rough surfaces
- Built-In hard hat storage clip
- Ink dries in seconds
- Lanyard hole
- Anti-roll body design
- Non-toxic ink



Part #	Mfg #	Description	Price
165228	48-22-3101	Stylus & Black Marker	

### 4-PK Fine Point Colored Markers

- Clog resistant marker tip
- Built-in hard hat storage clip
- Writes through dusty, wet, and oily surfaces
- Writing on concrete, OSB, and rough surfaces



Part #	Mfg #	Description	Price
171185	48-22-3106	4-PK Colored Markers	

### Reaming Pen

- Pen provides easy deburring of copper tubing and PVC
- all-metal design for durability
- The blade is heat treated and black oxide coated for extended life
- A slide resistant clip allows easy storage



Part #	Mfg #	Description	Price
186221	48-22-4255	5.5" Length	

## Measuring Tools

### Closed Reel Long Tape Measure

- Grime Guard™
- Heavy duty metal frame
- Nylon coated steel blade
- 100ft Folding hook



Part #	Mfg #	Blade Length	Price
238210	48-22-5101	100 Foot	

### Tape Measure

- Nylon bond blade protection
- 5-Point reinforced frame
- Finger stop
- Wire form belt clip
- 2-Sided printing
- Up to 9' standout
- 360° hook attachment
- Blueprint scale- Calculated 1/4" and 1/8" drawings



Part #	Mfg #	Size	Price
168290	48-22-5117	16'	
168291	48-22-5126	25'	
168292	48-22-5131	30'	
169837	48-22-5136	35'	
173931	48-22-5525	25'	

## Miscellaneous Tools

### Magnetic Tape Measure

- Nylon bond blade protection
- 5-point reinforced frame
- Finger stop
- Dual magnets
- Wire form belt clip
- 2 Sided printing
- 360° hook attachment
- Blueprint scales- calculates 1/4" and 1/8" drawings



Part #	Mfg #	Size	Price
159975	48-22-5116	16'	
159976	48-22-5125	25'	
224243	48-22-7125	25'	
226323	48-22-7125G	25' (2Pk)	
227233	48-22-7130	30'	
224242	48-22-7116	16'	

### Compact Tape Measure

- Nylon bond blade protection
- 5-point reinforced frame
- Stamped steel belt clip
- Lanyard read
- Optimized hook designed for scoring



Part #	Mfg #	Size	Price
236370	48-22-6616	16'	
230575	48-22-6625	25'	

### Key chain Tape Measure

- 6'2m



Part #	Mfg #	Size	Price
186517	48-22-5506	6'	

### Composite Folding Rule

- Most durable markings and blades
- Heat stamped markings
- Wear and scratch resistant laminate
- Corrosion-free embedded joints



Part #	Mfg #	Description	Price
183684	48-22-3801	9-1/4" x 1-3/8"	

### Laser Distance Meter

- +/- 1/16" Accuracy
- Side-shot button
- Digital auto-level
- Backlit color screen
- Simplified user interface
- 3-Position auto-detecting lever



Part #	Mfg #	Size	Price
241057	48-22-9803	330'	

### 100' Precision Line Chalk Reel

- StripGuard™ Clutch
- Planetary Gear System
- 6:1 Gear Retraction Ratio
- Low spillage line
- All metal body



Part #	Mfg #	Description	Price
188278	48-22-3992	Kit with Red Chalk	

### 100' Bold Line Chalk Reel

- StripGuard™ Clutch
- Planetary Gear System
- 6:1 Gear Retraction Ratio
- Flush Handle Storage
- Rubber Overmold



Part #	Mfg #	Description	Price
188283	48-22-3980	Reel Only	
188280	48-22-3982	Kit with Blue Chalk	
188281	48-22-3986	Kit with Red Chalk	

### Replacement Line

- 1.5mm Replacement Line
- High Strength Braided Line
- 100ft



Part #	Mfg #	Description	Price
188285	48-22-3989	Bold Line	



## Miscellaneous Tools

### Miscellaneous

#### TICK™ Tool and Equipment Tracker

- Allows you to track the location of any item in your inventory
- The app will automatically store the last time any ONE-KEY™ app was within the 100 ft Bluetooth® range of your TICK™. Check your app to easily pinpoint the last seen date, time and location to find leave-behinds, view equipment deployment, and help find missing equipment



Part #	Mfg #	Description	Price
232950	48-21-2000	3V Lithium-Ion Coin Cell	

#### +Stop Lock Hand Clamp

- +STOP LOCK™ Mechanism
- Optimized pad geometry for more secure clamping
- Hex Release Mechanism
- Riveted Pivoting Clamp Pads
- High Grade Resin
- Rust protection



Part#	Mfg#	Size	Price
221198	48-22-3002	2"	
221199	48-22-3004	4"	

#### Staple & Nail Gun

- Up to 75% More Driving Power
- Hi/Low power switch for driving control
- Tilt & Fire Mechanism  
-Fully drive staples at an angle
- Integrated Stapler Puller
- All Metal Jam Free Magazine
- Stapler Flush Drive Surface
- Belt Clip
- Compatible with Arrow t50® staples sizes - 9/16", 1/2", 3/8", 5/16", 1/4"
- Compatible with 5/8" & 1/2" 18ga brad nails



Part #	Mfg #	Description	Price
181710	48-22-1010	7-1/2"	

### Bottle Opener

- Wire Stripper - Up to 12ga
- Chrome Plated Rust Protection
- Hardened Steel for Durability
- Cushion Grip Handle
- Rear Cap ID Marking



Part #	Mfg #	Description	Price
165227	48-22-2000	6-3/5" Length	

### Hook and Pick Set

- All-metal core
- Comfort grip handle
- Knurling
- Includes:
  - Hook
  - 90° Hook
  - Offset hook
  - Straight pick



Part #	Mfg #	Description	Price
239632	48-22-9215	4-Piece Hook and Pick Set	

### Inner Core Bulb Head Cable

- RUST GUARD™



Part #	Mfg #	Size	Price
238927	48-53-2563	1/4" x 25'	

### Inner Core Drop Head Cable

- RUST GUARD™



Part #	Mfg #	Size	Price
238929	48-53-2561	5/16" x 25'	
238930	48-53-2562	5/16" x 25'	
238928	48-53-2564	1/4" x 25'	

## Miscellaneous Tools

### Inner Core Coupling Cable

- RUST GUARD™



Part #	Mfg #	Size	Price
238932	48-53-2675	3/8" x 35'	
238937	48-53-2773	3/8" x 50'	
238936	48-53-2774	1/2" x 50'	
242542	48-53-2775	5/8" x 50'	

### Inner Core Bulb Head Cable

- Solid polymer core
- Carries power through end of cable
- Maneuvers the tightest bends
- Corrosion resistant core
- End of cable indicator: approximately 3' from back end of cable



Part #	Mfg #	Size	Price
188683	48-53-2571	5/16" x 25'	
242348	48-53-2673	5/16" x 35'	
188687	48-53-2581	5/16" x 25' w/ Drum	

### 5-Piece Drain Line Kit

- RUST GUARD™



Part #	Mfg #	Size	Price
238933	48-53-2685	Small	
238934	48-53-2790	Medium	

## Miscellaneous Tools

### Miscellaneous Tools

#### Fin Straightener

- Long comfort-grip handle
- Adjustable straightening wire tension
- Accommodates various fin types
- Wires held by a sturdy metal body



Part #	Mfg #	Description	Price
182251	61170	Fin Straightener	

#### Tube Deburring Tool



Part #	Mfg #	Description	Price
237074	60163	Deburring Tool	

**Miscellaneous Tools**

**Bucket Organizers**

- High-impact plastic pail
- Storage trays fit snugly inside
- Easy on/off lid



Part #	Mfg #	Bucket	Trays:	Price
008175	502	5 gal	2 Large & 2 Small	

**Bucket Organizer Pail Lid**

- Fits both 3.5 and 5 gallon pails

Part #	Mfg #	Description	Price
059482	001	Lid Only	

**Miscellaneous Tools**

**Tie Downs**

**EPDM Tie-Down Strap**

- Super-strong 100% EPDM material with 2-1/2" galvanized S hooks



Part #	Mfg #	Max Length	Length	Price
183405	319-15	22"	15"	
183406	319-20	30"	20"	
183407	319-31	45"	31"	

**Extendable Inspection Mirror with Angle Ball Joint**

- Pocket clasp included
- Powerful long life magnetic tip



Part #	Mfg #	Size	Extension	Price
156742	390-50115	1" x 2"	5-5/8"-18-3/4"	

## Miscellaneous Tools

### PowerPEX® F1807 Tools & Miscellaneous

#### PowerPEX® F1807 Stainless Compression Tool

- Steel handle
- Exclusively for installing Sioux-Chief's **305-83TX** V-Sleeve™ stainless steel PEX compression system
- PowerPEX® tools by Tomahawk™



Part #	Mfg #	Size	Price
165320	305-82TX	1/2"	
165321	305-83TX	3/4"	
165322	305-84TX	1"	

#### PowerPEX® F1807 PEX Crimp Ring Removal Tool

- Allows fitting recovery without damaging the sealing surfaces of the fitting
- Do not use on Copper F1807 PEX or AccuCrimp™ fittings
- Two cuts on copper ring allows user to reclaim fitting
- Cutting blade only penetrates the copper ring and pipe
- Suitable for use on 1/2" through 1" PEX pipe sizes
- PowerPEX™ tools by Tomahawk™



Part #	Mfg #	Description	Price
165518	305-99	Crimp Ring Removal Tool	

## Pipe Cutters - Copper

### Tubing Cutters

#### Close Quarters Tubing Cutter

- Use in restricted spaces on small diameter, hard and soft copper, aluminum, brass and plastic tubing
- Large knurled feed screw knob



Part #	Mfg #	Model	Capacity	Description	Std Wheel	Price
008656	40617	101	1/4" - 1-1/8"	Cutter	E-3469	
008659	32975	103	1/8" - 5/8"	Cutter	E-3469	
008660	32985	104	3/16" - 15/16"	Cutter	E-3469	
067702	97787	117	3/16" - 15/16"	Quick-Feed Cutter	E-3469	
051432	86127	118	1/4" - 1-1/8"	Quick-Feed Cutter	E-3469	

#### Constant Swing Cutter with X-CEL

- Features an enclosed feed screw to eliminate clogging and jamming, grooved rolls for close-to-flare cuts, and a fold-away reamer
- Made from high-strength aluminum alloy



Part #	Mfg #	Model	Capacity	Description	Std Wheel	Price
008687	31622	150	1/8" - 1-1/8"	Feed Cutter	E-3469	
008688	31627	150	1/8" - 1-1/8"	Feed Cutter with HD Wheel(s)	E-4546	

#### Tubing and Conduit Cutter with X-CEL

- Clean, square cuts on copper, brass, aluminum, and thin-wall conduit



Part #	Mfg #	Model	Capacity	Description	Std Wheel	Price
008655	32910	10	1/8" - 1"	Screw Feed Cutter	F-158	
008648	32920	15	3/16" - 1-1/8"	Screw Feed Cutter, Fold-Away Reamer	F-158	
008703	32930	20	5/8" - 2-1/8"	Screw Feed Cutter, Fold-Away Reamer	F-158	
008713	32940	30	1" - 3-1/8"	Screw Feed Cutter f/Lg Dia Steel & SS Tube	F-158	

#### Quick-Acting Tubing Cutter with X-CEL

- I-Beam construction, hardened wear surfaces and bearing side assemblies for smooth operation
- Plastic cutters include spare cutting wheel for cutting copper



Part #	Mfg #	Model	Capacity	Description	Std Wheel	Price
008689	31632	151	1/4" - 1-5/8"	Quick-Acting, Fold-Away Reamer	E-3469	
008690	31642	152	1/4" - 2-5/8"	Quick-Acting, Fold-Away Reamer	E-3469	
008691	31652	154	1-7/8" - 4-1/2"	Quick-Acting Tubing Cutter	E-2558	

## Pipe Cutters - Copper

### Internal Tubing Cutter

- For trimming tubing below floor level for shower and floor drain installations, or above the ceiling for sprinkler head installations



Part #	Mfg #	Model	Capacity Nom / Depth	Description	Std Wheel	Price
018338	33005	106	2" - 3" / 1/4" - 2-5/8"	Internal, Steel & Aluminum Body	E-2558	

### Tubing Cutter Wheel



Part #	Mfg #	Model	Blade Exp	Application	For Model	Price
008575	33165	E-1240	.162	Steel - SS	10, 15, 15-SI	
008596	33175	E-2191	.292	HD Steel Tubing	30, 40, 122, 122XL, 133, 154, 156	
008599	33170	E-2558	.220	Aluminum & Copper	30, 40, 108, 109P, 133, 154, 156	
023461	34695	E-3495	.290	Aluminum	151, 152, 153, 205	
008617	33190	E-4546	.162	Steel - SS	151, 152, 153, 205	
008606	33185	E-3469	.149	Copper, Aluminum, Brass & Plastic	101,103,104,117,118,150,151,152,153,205	
008636	33160	F-158	.149	Aluminum & Copper	10,15, 20	

### Tubing Cutter Parts

Part #	Mfg #	Description	For Model	Price
129719	34620	Roll Housing Screw	20	
024438	42327	Retaining Ring	101, 103, 104, 117 & 118	

### Tubing Tools

#### 456 Tri-Bender

- Ideal for plumbing and HVAC applications
- 90° Start angle minimizes effort required to form a bend
- Handy reference marks indicate the angle for quick bends through 90°



Part #	Mfg #	Model	Capacity	Price
008738	44852	456	1/4", 5/16", 3/8"	

### Spring-Type Tube Bender

- Fast, free-form bending of soft copper and aluminum tube



Part #	Mfg #	Model	Length	Tube OD	Price
008563	35255	D-1377	10"	3/8"	



## Pipe Cutters - Copper

### Copper Tubing Cutters

#### Close Quarters Tubing Cutter

- Most compact
- Longest life
- Chrome rollers
- Weep holes
- Directional grip
- Replaceable blade



Part #	Mfg #	Size	Price
225206	48-22-4260	1/2"	
225207	48-22-4261	3/4"	
225208	48-22-4262	1"	

#### Mini Copper Tubing Cutter

- Proprietary adjustment mechanism
- Chrome Rollers
- Easy Grip Knob



Part #	Mfg #	Size	Price
188005	48-22-4250	1/2"	
229533	48-22-4258	3/4"	
188006	48-22-4251	1"	

#### Constant Swing Copper Tubing Cutter

- 4 Roller design
- Chrome rollers
- Smooth adjustment mechanism
- On-Board reamer



Part #	Mfg #	Size	Price
188007	48-22-4252	1-1/2"	

#### Quick Adjust Copper Tubing Cutter

- 4 Roller design
- Chrome rollers
- Quick adjustment mechanism
- Tool-free blade change
- Extra blade included



Part #	Mfg #	Size	Price
234288	48-22-4253	2-1/2"	

### 3 Piece Close Quarters Tubing Cutter Set

- Most compact
- Longest life
- Chrome rollers
- Weep holes
- Directional grip
- Replaceable blade
- Includes:
  - (1) 1/2" Close quarters tubing cutter (48-22-4260)
  - (1) 3/4" Close quarters tubing cutter (48-22-4261)
  - (1) 1" Close quarters tubing cutter (48-22-4262)



Part #	Mfg #	Size	Price
225209	48-22-4263	1/2", 3/4" & 1"	

### 2 Piece Close Quarters Cutter Replacement Blades

- Replacement cutter wheels
- Designed for use with Milwaukee® close quarters tubing cutters
- Two pack
- High carbon steel blades
- Precision machined
- Optimized for copper



Part #	Mfg #	Description	Price
225210	48-22-4266	2/Pk	

### Copper Cutter Wheels

- Hardened steel with black oxide
- Convex blade design
- For use with Milwaukee® 12V copper cutter (2471)



Part #	Mfg #	Description	Price
138792	48-38-0010	2/Pk	

### 2Pc Replacement Cutter Wheels

- Designed for use with Milwaukee Mini and Constant Swing Copper Tubing Cutters
- Two Pack
- High Carbon Steel Blades
- Optimized for Copper



Part #	Mfg #	Description	Price
188008	48-22-4256	2/Pk	



## Pipe Cutters - Copper

### 3 Pc Replacement Reaming Blades

- Designed for use with Milwaukee Constant Swing Copper Tubing Cutters
- Heat Treated
- Black Oxide Blade



Part #	Mfg #	Description	Price
188009	48-22-4257	3 Pack	

### M12™ Cordless Copper Tubing Cutter

- Close quarter rotating cutting head
- Automatic adjustment from 3/8" to 1" tubing
- Auto locking mechanism
- Water resistant sealed metal cutter head
- Battery fuel gauge displays remaining run time
- Built-in LED light illuminates line of cut
- No load speed: 500 rpm
- Capacity: 1/2" to 1-1/8" OD
- Kit includes:
  - Tubing cutter (2471-20)
  - (2) 12V Lithium-Ion battery (2471-21 is single battery kit)
  - 30-Minute charger
  - Carrying case
- 5-Year warranty



Part #	Mfg #	Size	Price
148546	2471-20	3/8"-1" 1/2"-1-1/8OD	
137554	2471-21	3/8"-1"	



## Pipe Cutters - Copper

### Autocut™ Copper Tubing Cutters



ATC



RH

Part #	Mfg #	Description	Price
031428	ATC12	For 1/2" Tubing	
031429	ATC34	For 3/4" Tubing	
073599	ATC100	For 1" Tubing	
031674	RH12	Ratchet Handle for ATC12	
031675	RH34	Ratchet Handle for ATC34	
031430	ATCW	Replacement Cutter Wheels	

## Pipe Cutters - Copper

### Tube Benders

#### Tri-Tube Bender

- Indicators on handle help identify tube sizes
- Color-coded to help spot the right tube size
- Indicators on side help measure the bend radius, up to 180°



Part #	Mfg #	Description	Price
167766	1839026	1/4", 5/16", 3/8"	
171454	1839027	1/4", 3/8", 1/2"	

## Pipe Cutters - Copper

### Copper Tubing Cutters

#### Heavy Duty Mini Cutter

- Large rollers
- Flare cut-off groove



Part #	Mfg #	Cuts From:	Price
182094	60121	1/4"-7/8" O.D.	

#### Premium Tube Cutter

- Textured finish
- Wide rollers with flare cut-off groove
- Wheel retracts into cutter body to save 1" in cutting radius
- Fold away steel reamer with turned cutting edge for deburring
- Textured corrosion-resistant finish on lightweight aluminum frame
- Wheels are pinned to rotate in either direction without the screw backing out



Part #	Mfg #	Size	For:	Price
182092	60101	Small	1/8"-1-1/8" O.D.	
182093	60102	Large	1/4"-1-5/8" O.D.	

#### Ratchet Hand Bender Kit

- Index marks to locate bends
- Trouble free ratchet mechanism
- Without reverse bending mandrel
- Kit includes all items required to bend; 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8" tubing
- Hard copper must be annealed before bending



Part #	Mfg #	Description	Price
182133	60331	Ratchet Hand Bender Kit	

### Parts & Accessories

Part #	Mfg #	Description	Price
238178	60094	Pin Clips, 5 Pack	
182091	60100	Copper Cutter Wheel	

#### Replacement Parts for 60331 and 60325

- 60331 Basic ratchet hand bender kit
- 60325 Deluxe ratchet hand bender kit

Part #	Mfg #	Description	Price
182132	60329	3/4"-7/8" Crossbar Assy	
182136	60336	7/8" O.D. Bending Mandrel	
236600	60340	Ratchet Bar 9' for Bender	
182138	60342	Reverse Bending Mandrel	
182140	60348	Wing Nut Screw (8, 11)	

## Pipe Cutters - PEX

### Tubing Cutters

#### ProPEX®/Tubing Cutter

- Replaceable blades
- Double ground steel V-shaped blade
- Metal core - indestructible frame
- Rework groove
- One-handed locking mechanism
- Rust protection



48-22-4200

48-22-4202



Part #	Mfg #	Jaw Capacity
143343	48-22-4200	1"
184107	48-22-4202	1"

#### Ratcheting Pipe Cutter

- Pierce Point Blade Durable Stainless Steel Blade
- Ergonomic Handle Design
- Integrated Lanyard Hole
- Limited Lifetime Warranty



Part #	Mfg #	Jaw Capacity
236683	48-22-4210	1-5/8"
236684	48-22-4215	2-3/8"

#### ProPEX®/Tubing Cutter Replacement Blade

- Double-Ground V-Shaped Blade - Cleaner Cuts on 1" rubber and plastic tubing/PEX-a tubing
- Rust protection - stainless design for increased tool life and corrosion resistance



**Fits 48-22-4200 and 48-22-4202 Milwaukee® Tubing Cutters**

Part #	Mfg #	Description	Price
170838	48-22-4203	Blades Only	

## Pipe Cutters - Plastic

### Plastic Tubing Cutters Quick-Acting CSST Cutter

- I-Beam frame
- Cuts corrugated gas tubing 3/8" - 1"
- Two sets of split-floating guide wheels
- Ergonomic knob
- Full lifetime warranty



Part #	Mfg #	Model	Capacity	Description	Std Wheel	Price
122158	32078	151 CSST	3/8" - 1"	Quick-Acting CSST Cutter	33190	

### Plastic Pipe Tubing Cutter

- Designed for quick, clean cuts through plastic pipe and tube



Part #	Mfg #	Model	Capacity	Description	Std Wheel	Price
104549	23493	PC-1375	1/8" - 1"	Single Stroke Plastic Pipe & Tubing Cutter	X-CEL™ PCB-1375	
108391	23498	RC-1625	1/2" - 1-5/8"	Ratchet Action Plastic Pipe & Tubing Cutter, Erg Grip	27858	
119754	30088	RC-2375	1/2" - 2-3/8"	Ratchet Action Plastic Pipe & Tubing Cutter, Erg Grip	30093	

### Cutter Replacement Blade

Part #	Mfg #	Model	Description	Price
008706	22086	1493	Replacement Blade with Clip	
104550	25588	PCB-1375	X-CEL™ Replacement Blade	
132081	27858	RCB-1625	Replacement Blade for RC-1625	
123436	30093	RCB-2375	Replacement Blade for RC-2375	
008565	92170	138	Replacement Blade for 91125	

### Plastic Tubing Cutter Wheel



Part #	Mfg #	Model	Blade Exp	Application	For Model	Price
008626	33195	E-5272	.290	PVC, ABS, Standard Wall	151-P, 152-P	
008627	33180	E-5299	.412	PVC, ABS, Standard Wall	30P - 133P, 106, 108, 109P, 154-P, 156-P	

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**Pipe Cutters - Plastic**


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**Big Nipper™**

- Cuts hose and tubing up to 2-1/2" ID, polyethylene up to 1-1/2" ID, and PVC up to 1-1/2" ID



- Excellent for cutting tubing insulation
- Replaceable stainless steel blade
- Clean cut - no burrs or sawdust replaceable blades

Part #	Mfg #	Description	Price
112016	16368	Big Nipper Cutter	

**Li'l Nipper™**

- Cuts up to 1-1/4" polyethylene, PVC, ABS, and rubber hose
- Cutters are light and can be handily carried in back pocket or tool pouch
- Strong nylon handle with replaceable blades
- Cutters do not distort pipe



Part #	Mfg #	Description	Price
002266	0125	Li'l Nipper™ Cutter	
026128	0127	2 Replacement Blades	



**Pipe Cutters - Plastic**

**PVC Cutters**

**PVC Cutter**

- *Makes clean burr-free cuts*
- *Reversible blade*
- *Handle latch keeps tool closed*



Part #	Mfg #	PVC Capacity	Flex Pipe Capacity	Price
125142	50506	3/4" Sch 40	1-3/8"	

**PVC Cutter Replacement Blade**



Part #	Mfg #	Description	Price
141615	50549	Blade for 50506	

## Pipe Cutters - Plastic

### Pipe/Tubing Cutters

#### Professional PVC Pipe Cutter

- Rustproof
- Non-electro nickel-plated blade
- Locking hook can be used to debur pipe
- Carded



Part #	Mfg #	Description	Price
054586	P70-018	1-1/4" PVC Pipe Cutter	

#### PVC Pipe Cutter

- High carbon steel blades
- Aluminum alloy handles
- Ratchet action



Part #	Mfg #	Description	Price
040773	P70-001	1" Pipe Cutter	
071043	P70-002	2" Pipe Cutter, Heavy-Duty	

#### PlumBest E-Z Shear Inside Pipe Cutter

- Cuts PVC and ABS pipe
- High speed steel blade with zinc-plated shaft



Part #	Mfg #	Description	Price
026324	J40-830	E-Z Shear Pipe Cutter	
026325	J40-831	(2) Replacement Blades	

#### Socket Saver

- Removes Sch 40 plastic pipe from plastic fittings
- Cuts ABS or PVC DWV pipe below slab
- Fits 1/2" variable speed power drill



Part #	Mfg #	Description	Price
082721	J44-075	3/4" Socket Saver	
054591	J44-150	1-1/2" Socket Saver	
054592	J44-200	2" Socket Saver	
054593	J44-300	3" Socket Saver	
054594	J44-400	4" Socket Saver	

## Pipe Cutters - Plastic

### Tube and Pipe Cutters

#### Inside Pipe Cutter

- Steel blade for plastic pipe
- Abrasive disc for plastic or steel pipe



390-50163

Part #	Mfg #	Steel Blade Size	Price
035402	390-50163	1-1/4"	
035403	390-50164	1-1/4" Hardened	

### PowerPEX Crimp Tools

#### (Complete Line of ASTM F1807 Options)

- Complete line of F1807 crimp tool options below:
- Steel or composite handles
- Composite handles are strong and durable, yet lightweight
- Compact tools allow one-hand crimping
- Combo tool for the most common crimp connections and added cost savings
- Free Go/No-Go gauge provided with every model
- Also work on PB 1380 tube and fittings



305-23CPK

#### Composite Handle

Part #	Mfg #	Description	Length	Price
183403	305-23CPK	1/2"Over-3/4" Combo	14"	

### Plactic Tube and Hose Cutter

- Quickly cut PEX, PVC, CPVC and other poly pipe or non-metallic hose
- For 1 1/8" O.D. tube or smaller



304-08

Part #	Mfg #	Blade Length	Price
160228	304-08	2-1/4"	

**Pipe Cutters - Soil Pipe**

**Soil Pipe Cutters**

- Provides 1-stroke cutting of 1-1/2" to 6" service weight, No-Hub® soil pipe, clay, asbestos and cement pipe



Part #	Mfg #	Model	Pipe Capacity	Description	Price
008709	32900	246	1-1/2" - 6"	Cuts Clay, Cast Iron, Cement Pipe, 4" Class 22 Water Main	

## Pipe Cutters - Steel

### Pipe Cutters

#### Heavy-Duty Pipe Cutter

- Fast, clean pipe cutting by hand or power
- Extra-long shank protects adjustment threads, while an extra-large handle is provided for quick, easy adjustment
- Can be converted to 3-wheel cutter by replacing rollers with cutter wheel



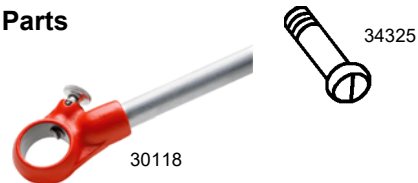
Part #	Mfg #	Model	Pipe Capacity	Description	Price
008701	32820	2-A	1/8" - 2"	Heavy-Duty Pipe Cutter	

#### Pipe Cutter Replacement Wheel



Part #	Mfg #	Model	Blade Exp	Application	For Model	Price
008732	44185	E-1032	.450	Steel & Ductile Iron	202, 360, 732, 820/364	
008641	33105	F-3	.312	Steel & Ductile Iron	1A, 2A, 42A, 202, 360, 732, 820/364	
008637	33125	F-229	.411	Steel & Ductile Iron	3S, 4S, 44S, 466C/S/HWS, 468C/S/HWS, 472C/S/HWS, 764	
008643	33100	F-514	.312	Steel & Ductile Iron	1A, 2A, 42A, 202, 360, 732, 820/364	

#### Pipe Cutter Parts



Part #	Mfg #	Model	Description	For Model	Price
008664	30118	E-3055X	Ratchet with Handle	12-R	
008720	32142		Wheel Pins with Clip, 5/Pk	151-P, 152, 152-P, 152-PVC, 153, 153-P	
008574	33970	E-1189X	Rings with Pin, 5/Pk	101, 103, 104	
008590	34325	E-1948	Screws, 10/Pk	10, 15, 15-SI	
008638	34805	F-255	Roller, 5/Pk	15	
129720	34825	F-266	Roller, 5/Pk	20	

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## Pipe Cutters - Plastic

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### Pipe Cutters

#### Inside Pipe Cutter Replacement Blades

- For P70023 pipe cutter
- Cuts 2" and larger plastic pipe
- Fits electric drill



Part #	Mfg #	Description	Price
053717	P70-029	(3) Replacement Blades	



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**Pipe Taps**

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**Machine Screw Tap - Plug Style**



Part #	Mfg #	Description	Price
141468	R305100	WC10 1/4-20 N.C.	

**Pipe Taps**

**Pipe Taps**

Pipe Tap



Part #	Mfg #	Size	Price
056686	T41-001	1/8"	
056687	T41-002	1/4"	
041961	T41-004	1/2"	
041962	T41-005	3/4"	
050029	T41-006	1"	
056690	T41-008	2"	



## Pipe Threaders

### Pipe Tools

#### Pipe Reamer

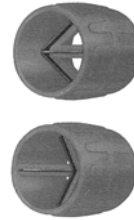
- All reamers include handles



Part #	Mfg #	Model	Capacity	Description	Price
008702	34955	2-S	1/4" - 2"	Spiral Ratchet	

#### Inner-Outer Reamer

- Plastic construction with long-wearing alloy steel blades



Part #	Mfg #	Model	Description	Construction	Price
017583	34965	127	1/4" - 1-1/2" Nominal Water Tube	Plastic	

#### Hardened Steel Inner-Outer Reamer

- Hardened steel construction
- 46 Cutting edges on interior cone
- For fast, clean, inner reaming and outer deburring/beveling of 1/2"-2" copper and stainless steel tubing



Part #	Mfg #	Model	Description	Construction	Price
111700	29993	227S	1/2" - 2" Copper & SS Tubing	Hardened Steel	

#### Deburring Tool

- For plastic pipe and tubing
- Made of high-grade steel with long-lasting cutting edges
- Ideal for removing outside ridges and inside burrs on plastic pipe and tubing



Part #	Mfg #	Model	Capacity	Plastic Cap ID	Price
033796	64967	74	4"	--	

#### Individual Pipe Extractor

- Easily removes broken threaded ends of pipe, pipe plugs and fittings
- Each is plainly marked showing drill size used when solid ends of plugs and fittings must be drilled to receive extractor



Part #	Mfg #	Model	Pipe Size	Length Overall	Use Drill	Price
120553	35610	83	1/2"	3"	5/8"	

## Pipe Threaders

### Manual Threaders Manual Threader Die Head

- North American standards



Part #	Mfg #	Model	Description	Nominal Pipe Capacity	Price
008661	37040	11-R	Alloy RH	1/2"	
008672	37390	12-R	Alloy RH	1/2"	
008679	37395	12-R	Alloy RH	3/4"	
008666	37400	12-R	Alloy RH	1"	
008668	37410	12-R	Alloy RH	1-1/2"	
008677	37415	12-R	Alloy RH	2"	

### Pipe Die - National Pipe Taper NPT



Part #	Mfg #	Model	Description	Nominal Pipe Capacity	Price
008671	37825	12-R	Alloy RH	1/2" - 14	
008678	37830	12-R	Alloy RH	3/4" - 14	
008665	37835	12-R	Alloy RH	1" - 11-1/2	
008669	37840	12-R	Alloy RH	1-1/4" - 11-1/2	
008667	37845	12-R	Alloy RH	1-1/2" - 11-1/2	
008676	37850	12-R	Alloy RH	2" - 11-1/2	
008724	37920	12-R	High Speed SS RH	3/4" - 14	
008725	37925	12-R	High Speed SS RH	1" - 11-1/2	

### Power Threading Equipment Model 300 Power Drive Complete

- RIDGID® speed chuck
- Reversible 1/2 HP universal motor
- Ideal for use with RIDGID roll groovers
- Heavy-duty forward/off/reverse and integral foot switch
- Speed chuck with replaceable rocker-action jaws
- Cam-action turns with chuck
- Heavy-duty support bar



Part #	Mfg #	Model	Description	Price
022267	15682	300 Complete	115V, 25-60 Hz (NPT)	

**Pipe Threaders**

Pipe Die for Machine Die Heads



Pipe Die for 504A, 711, 731, 811A, 815A and 842

Part #	Mfg #	Die Material or Type	(NPT) Nominal Pipe Size Threads Per Inch	Price
008747	47745	Alloy RH NPT	1/2"-3/4" - 14	
008748	47750	Alloy RH NPT	1"-2" - 11-1/2	



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## Pipe Threaders

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### Golden Tool™ Pipe Threaders Golden Pipe Shredder™ Kit

- 4 Shredder tools: 1-1/2", 2", 3", 4"
- 1/2" Arbor size



Part #	Mfg #	Size	Qty	Price
143396	98040	1-1/2"	4	
143394	98041	2"	4	

## Pliers & Wire Strippers

### Pliers

#### 6-in-1 Long Nose Pliers

- Integrated reaming head to smooth-out rough edges of metal pipe
- High-leverage design
- (6) Applications:
  - Reaming
  - Wire stripping
  - Nail/wire cutting
  - Nail pulling
  - Pliers
  - Loop maker



Part #	Mfg #	Overall Length	Price
150218	48-22-3068	8"	

#### Long Nose Pliers

- 2" Gripping nose reaming head design - Up to 1"
- On-Board fish tape puller
- Comfort grips will not peel
- Forged design for added strength
- Rust resistance



Part #	Mfg #	Overall Length	Price
175004	48-22-6101	8"	

#### 6-in-1 Combination Pliers

- Integrated reaming head
- High-leverage design
- (6) Applications:
  - Reaming
  - Wire stripping
  - Bolt cutter
  - Wire cutting
  - Pliers
  - Loop maker



Part #	Mfg #	Overall Length	Price
149136	48-22-3069	7-1/2"	

### Cable Cutting Pliers

- Rust resistant
- Comfort grips
- Beveled jaw head
- Optimized blade angle
- Forged strength design
- Ergonomic handle design
- 2/0 Copper max capacity
- 4/0 Aluminum max capacity



Part #	Mfg #	Jaw Length	Price
241143	48-22-6104	2.13"	

### PVC/Oil Filter Pliers

- Comfort grips will not peel or dig into hands during extended use
- Rust resistant
- Forged strength design



Part #	Mfg #	Jaw Length	Price
185825	48-22-6321	3.5"	

### Combination Wire Pliers

- Reaming head design
- Bolt cutter - thread and cut #6 and #8 bolts
- Wire stripper
- One-handed swing lock
- Curved cutting blade
- Ruse protection
- Tether-ready handle loops



Part #	Mfg #	Overall Length	Price
190123	48-22-3079	7.75"	

### High Leverage Lineman's Pliers w/ Crimper

- Iron carbide edge cutting edge hardened blades
- Reaming head design - up to 1 1/2" (patent pending)
- Integrated crimper for INS and NON INS terminals
- On-Board fish tape puller
- Comfort grips will not peel
- Forged design for added strength
- Rust resistance



Part #	Mfg #	Overall Length	Price
175003	48-22-6100	9"	

## Pliers & Wire Strippers

### 6-in-1 Lineman's Pliers

- Integrated reaming head
- High-leverage design
- (6) Applications:
  - Reaming
  - Bolt cutter
  - Wire cutter
  - Nail pulling
  - Pliers
  - Fish tape puller



Part #	Mfg #	Overall Length	Price
149137	48-22-3309	9"	

### 6-In-1 Diagonal Pliers

- Reaming head design
- Bolt cutter
- High-leverage design
- Laser hardened cutting edges
- Offset head design - 15 degree offset head for easier and quicker prying and pulling (Patent Pending)
- Rust protection



Part #	Mfg #	Overall Length	Price
175105	48-22-6107	7"	

### Diagonal Cutting Pliers

- Reaming head design
- Flush cutting blades
- On-board fish tape puller
- Comfort grips
- Forged design for added strength
- Rust resistance



Part #	Mfg #	Overall Length	Price
175106	48-22-6106	6"	
175005	48-22-6108	8"	

### Tongue & Groove Pliers

- Reaming head design
- Forged alloy steel for maximum tool strength
- Induction hardened jaws
- Smooth transition grips minimize wear tear and improve punchability
- Rust protection increases tool life by reducing corrosion



Part #	Mfg #	Overall Length	Price
143342	48-22-3210	10"	
150217	48-22-3212	12"	

### Straight-Jaw Pliers

- REAM & PUNCH™ handles
- Hardened teeth for long gripping life
- Comfort grips
- Rust resistant
- Forged design for added strength



Part #	Mfg #	Overall Length	Price
175007	48-22-6306	6"	
175008	48-22-6310	10"	
175009	48-22-6312	12"	
175010	48-22-6316	16"	
175006	48-22-6330	6" & 10" (2Pk)	

### Hex-Jaw Pliers

- Hex-Jaw design for hex bolts
- All-Metal quick adjustment mechanism
- REAM & PUNCH™ Handles
- Slim head design comfort grips
- Rust resistant



Part #	Mfg #	Overall Length	Price
175109	48-22-6208	8"	
175108	48-22-6210	10"	
175107	48-22-6212	12"	

### 3 Pc Pliers Kit

- Includes:
  - (1) 8" Long Nose Pliers (48-22-6101)
  - (1) 7" Diagonal Cutting Pliers (48-22-6107)
  - (1) 10" Straight-Jaw Pliers (48-22-6310)



Part #	Mfg #	Description	Price
189817	48-22-6331	Multi-Use	

### 2 Pc Locking Pliers Set

- Includes:
  - (1) 10" Torque Lock™ Curved Jaw Locking Pliers (48-22-3420)
  - (1) 6" Long Nose (48-22-3506)



Part #	Mfg #	Overall Length	Price
226918	48-22-3602	6" & 10"	



## Pliers & Wire Strippers

### Maxbite Curved Jaw Locking Pliers

- **MAXBITE JAW DESIGN**  
3X GRIPPING FORCE
- Torque lock faster setup and more force for locking tools
- **MAXBITE jaw** maximizes pressure points for round pipe, hex bolts, and many other locking tool applications
- Control release fast, easy, one-handed release
- Hardened jaws better grip force on jobsite material
- Forged alloy steel for maximum tool strength and durability



Part #	Mfg #	Overall Length	Price
221689	48-22-3610	10"	

### TORQUE LOCK™ Straight Jaw Locking Pliers

- **TORQUE LOCK™**: Faster setup and easy release
- **Straight Jaw**: Maximizes contact points on job site work surfaces
- **Hardened Jaws**: Better grip force on job site material
- **Forged Alloy Steel**: For maximum tool strength and durability
- **Rust Protection**: Increases tool life by reducing corrosion



Part #	Mfg #	Overall Length	Price
168826	48-22-3507	7"	
168825	48-22-3510	10"	

### TORQUE LOCK Pliers

#### TORQUE LOCK™ Curved Jaw Locking Pliers with Durable Grip

- **TORQUE LOCK™** Faster setup and easy release
- **Curved Jaw**: Maximizes pressure points for any bolt, nut or locking tool application
- **Hardened Jaws**: Better grip force on job site material
- **Rust Protection**: Increases tool life by reducing corrosion
- **Overmold Grips**: Durable and comfortable



Part #	Mfg #	Overall Length	Price
168835	48-22-3405	5"	
168834	48-22-3407	7"	
168827	48-22-3410	10"	

### TORQUE LOCK™ Curved Jaw Locking Pliers

- **TORQUE LOCK™**: Faster setup and easy release
- **Curved Jaw**: Maximizes pressure points for any bolt, nut or locking tool application
- **Hardened Jaws**: Better grip force on job site material
- **Forged Alloy Steel**: For maximum tool strength and durability
- **Rust Protection**: Increases tool life by reducing corrosion



Part #	Mfg #	Overall Length	Price
168824	48-22-3420	10"	

#### TORQUE LOCK™ Long Nose Locking Pliers With Durable Grip

- **TORQUE LOCK™** Faster setup and easy release
- **Curved Jaw**: Maximizes pressure points for any bolt, nut or locking tool application
- **Hardened Jaws**: Better grip force on job site material
- **Rust Protection**: Increases tool life by reducing corrosion
- **Overmold Grips**: Durable and comfortable



Part #	Mfg #	Overall Length	Price
168838	48-22-3406	6"	
168837	48-22-3409	9"	

### TORQUE LOCK™ Curved Jaw Locking Pliers Set

- **Includes:**  
(1) 7" TORQUE LOCK Curved Jaw Locking Pliers (48-22-3407)  
(1) 10" TORQUE LOCK™ Curved Jaw Locking Pliers (48-22-3410)



Part #	Mfg #	Overall Length	Price
168839	48-22-3402	7" & 10"	

## Pliers & Wire Strippers

### Pliers

#### Water Pump Pliers

- *Hardened and tempered for durability*



Part #	Mfg #	Model	Description	Length	Price
008764	80475	734	2" Capacity	10"	






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## Pliers & Wire Strippers

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### Milled Jaw Slip-Joint Pliers

- Nickel-plated finish with plastic grips
- Angle-nose pliers have grip tight clip



306-10

Part #	Mfg #	Type	Size	Max Opening	Price
113964	306-10	10"	Angle Nose	1-1/2"	

## Pliers & Wire Strippers

### Pliers **CHANNEL LOCK**

- Undercut tongue and groove design won't slip
- Patented reinforcing edge minimizes stress breakage
- CHANNELLOCK BLUE® grips for comfort

#### Smooth Jaw Tongue & Groove Pliers

- Smooth jaws for non-marring surfaces (PVC pipe, chromes, etc)
- Smooth jaw for use on plated fixtures
- PermaLock® fastener eliminates nut and bolt failure



Part #	Mfg #	Length	Capacity	Price
026715	R116800	10"	2"	

#### Straight Jaw Tongue & Groove Pliers

- High-carbon C1080 steel for superior performance on the job and electronic coating for ultimate rust prevention
- Right-angle, laser-heat treated teeth grip better and last longer
- PermaLock® fastener eliminates nut and bolt failure



R117200



R117400



R117600



R117800



R117900

Part #	Mfg #	Length	Capacity	Price
076358	R117200	6-1/2"	7/8"	
008905	R117400	9-1/2"	1-1/2"	
008907	R117600	10"	2"	
008908	R117800	12"	2-1/4"	
109928	R117900	16-1/2"	4-1/4"	

### V-Jaw Tongue & Groove Pliers

- High-carbon C1080 steel for superior performance on the job and electronic coating for ultimate rust prevention
- Right-angle, laser heat-treated teeth grip better and last longer
- V-Jaws give you more points of contact on round stock and tubing
- PermaLock® fastener eliminates nut and bolt failure



R118300



R118400

Part #	Mfg #	Length	Capacity	Price
008906	R118300	9-1/2"	1-1/2"	

## Pliers & Wire Strippers

### Standard Side-Cutting Pliers

#### NE-Type Side-Cutting Pliers

- Plastic dipped handles
- Sure-gripping, cross-hatched knurled jaws



Part #	Mfg #	Overall Length	Jaw Length	Jaw Width	Price
106804	D201-7NE	7-7/16"	1-9/32"	1-1/16"	

### Needle-Nose Pliers

#### Standard Long-Nose Side-Cutting Pliers

- Plastic dipped handles
- Induction hardened, long-lasting cutting knives
- Knurled jaws for sure wrapping and looping



Part #	Mfg #	Overall Length	Jaw Length	Jaw Width	Price
106807	D203-6	6-5/8"	1-7/8"	11/16"	

### High Leverage Side-Cutting Pliers

#### NE-Type Side-Cutting Pliers - Streamlined Design

- Plastic dipped handles
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- High leverage



Part #	Mfg #	Overall Length	Jaw Length	Jaw Width	Price
106803	D213-9NE	9-1/4"	1-19/32"	1-1/4"	

### Heavy-Duty Side-Cutting Long-Nose Pliers - Wire Stripping & Crimping

- Plastic dipped extended handles
- Cleanly strips 12 AWG wire
- Crimps connectors, lugs, and terminals
- Induction hardened cutting knives



Part #	Mfg #	Overall Length	Jaw Length	Jaw Width	Price
106808	D203-8NCR	8-5/8"	2-5/16"	1"	

### High Leverage Diagonal-Cutting Pliers

#### Diagonal Cutter Pliers

- Plastic dipped handles
- High leverage



Part #	Mfg #	Overall Length	Jaw Length	Jaw Width	Price
106806	D228-7	7-1/8"	13/16"	1-3/16"	

### Diagonal Angled Head Cutter Pliers

- Plastic dipped handles
- High leverage



Part #	Mfg #	Overall Length	Jaw Length	Jaw Width	Price
106805	D248-8 *	8-1/16"	13/16"	1-3/16"	

\* Semi-flush cuts Cherry Barrel rivets - for use on non-ferrous wire only

### Journeyman™ Diagonal Angled Head Cutter Pliers

- Dual material handles
- High leverage



Part #	Mfg #	Overall Length	Jaw Length	Jaw Width	Price
112637	J248-8	8-1/8"	13/16"	1-3/16"	

### Slip-Joint Pliers

#### Slip-Joint Pliers - Plastic Dipped Handles

- (2) Versatile jaw positions
- Serrated jaws
- Nickel-chrome plated



Part #	Mfg #	Overall Length	Jaw Length	Jaw Width	Price
112647	D511-6	6-1/2"	1-3/16"	1-3/16"	

### Pump Pliers

#### Pump Pliers - Plastic Dipped Handles

- Secure tongue and groove design for non-slip grip
- Wide range of versatile jaw positions



Part #	Mfg #	Length	Max	Price
111629	D502-6	6-1/2"	7/8"	
106809	D502-10	10"	1-3/4"	
106810	D502-12	12-1/4"	2-3/8"	

**Pliers & Wire Strippers**

**Wire Stripping & Cutting Tools**

**TripSaver® Combination Multi-Tool**

- High-carbon, rust-resistant stainless steel
- Lightweight, compact, sturdy
- Locking "L" handle snaps into "L" channel
- Includes:
  - Needle-nose pliers
  - Beveled wire cutter
  - Toothed pipe grippers
  - Files (coarse and fine)
  - 5-Slot wire stripper (10-18 AWG)
  - Wire-looping hole
  - Scraper
  - Awl/reamer
  - Serrated sheepsfoot knife
  - Clip-point knife
  - Standard/metric ruler
  - Drywall saw
  - Locking "L" handle
  - #1 and #2 Phillips hex bits
  - (1) Small- and (2) large-slotted hex bits
  - 1/4" Socket adapter
  - Lanyard hole and nylon pouch



Part #	Mfg #	Description	Price
111226	1016	5-3/4" Long, TripSaver Multi-Tool	

**Long-Nose Multi-Purpose Tool**

- Crimps insulated and non-insulated terminals and 7 to 8mm ignition terminals
- Long, curved cutting blade
- Cleanly shears bolts
- Plastic covered cushioned handles



Part #	Mfg #	Strips & Cuts	Price
107642	1010	10 - 22 AWG	

**Klein-Kurve™ Wire Stripper/Cutter**

- Precision shear-type blades
- Clean cuts on solid and stranded copper wire
- Markings on both sides
- Curved handles
- Wire looping and bending holes
- Coil spring provides fast self-opening action
- Precision-ground stripping holes
- Strong-gripping serrated nose
- Screw-shearing holes
- Handy closure lock for convenient storage
- Double dipped comfort grips



Part #	Mfg #	Strips & Cuts	Price
106811	11055	10-18 Solid, 12-20 Stranded	

## Pliers & Wire Strippers

### Pliers

#### Tongue and Groove Pliers

- Right angle teeth
- Comfort grips
- Undercut tongue and groove - won't slip



**CHANNEL LOCK**

Part #	Mfg #	Description	Price
187740	J40-401	6-1/2" Long, 7/8" Capacity	
187741	J40-402	9-1/2" Long, 1-1/2" Capacity	
041942	J40-403	10" Long, 2" Capacity	
041943	J40-404	12" Long, 2-1/4" Capacity	

#### Tongue and Groove Pliers with Smooth Jaw

- Channel lock no. 415
- Smooth jaws for non-marring surfaces (PVC, chromes, etc)
- Undercut tongue and groove
- Comfort grips



Part #	Mfg #	Description	Price
187742	J40-406	10" Channel Lock. 2" Capacity	

## Pliers & Wire Strippers

### Wire Strippers

#### 7" Wire Stripper

- *Comfortable grip*
- *Quick ID with easy-to-read size markings*



Part #	Mfg #	Description	Price
174618	1885426	7" Wire Strippers	

### Pliers

#### Quick-Adjusting Tongue & Groove Pliers

- *Comfortable grip*
- *Push button allows for quick adjustments while multiple grooves guarantee precise positioning*
- *Machined jaws increase grip on the material*



Part #	Mfg #	Description	Price
174615	1890996	8" Pliers	
174616	1890997	10" Pliers	

## Power Tools - M12 and Misc

### M12™ Cordless Tools

#### M12™ Cordless 3/8" Right Angle Drill Driver

- No load speed: 0 to 800 rpm
- Clutch settings: 11+ Drill
- Chuck type: 3/8" single sleeve
- Head length/weight: 3-3/4"/2.4 lbs
- Kit Includes:
  - M12™ 3/8" Right angle drill driver
  - M12™ Lithium-Ion battery
  - 30-Minute charger
  - Soft carrying case



Part #	Mfg #	Description	Price
160481	2415-20	Bare Tool	
137547	2415-21	Tool Kit	

#### M12™ Cordless Lithium-Ion No-Hub Driver

- Kit Includes:
  - (1) M12™ Cordless No-Hub Driver (2455-20)
  - (2) M12™ REDLITHIUM™ Battery (48-11-2401)
  - (1) M12™ Lithium-ion Battery Charger (48-59-2401)
  - (1) SHOCKWAVE™ 1-7/8" MAG NUTDRIVER 1/4" (49-66-4502)
  - (1) SHOCKWAVE™ 1-7/8" MAG NUTDRIVER 5/16" (49-66-4503)
  - (1) SHOCKWAVE™ 1-7/8" MAG NUTDRIVER 3/8" (49-66-4505)
  - (1) Carrying Case
  - (3) SHOCKWAVE™ Sockets



Part #	Mfg #	Description	Price
137555	2455-22	Kit	

#### SDS Demolition Hammer

- 14 Amp motor
- Heavy-duty construction
- Variable-speed dial
- AVS Anti-Vibration system
- Service reminder light
- Lock-on trigger
- Kit includes:
  - (1) 2" SDS Max Demo Hammer
  - (2) Auxiliary handle
  - (1) Carrying case



Part #	Mfg #	Description	Price
237268	5339-21	Kit	

### M12™ 3/8" Hammer Drill/Driver Kit

- Delivers up to 275 in lbs of Torque
- On-board battery fuel gauge displays remaining run time
- New ergonomic handle design for increased comfort
- Metal ratcheting chuck for maximum durability
- Includes:
  - (1) M12™ 3/8" Hammer drill/driver (Bare Tool) (2408-20)
  - (2) M12™ REDLITHIUM™ battery (48-11-2401)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) Belt clip
  - (1) Carrying case



Part #	Mfg #	Description	Price
162002	2408-20	Bare Tool	
161649	2408-22	Kit	

### M12™ 3/8" Drill/Driver

- Delivers up to 275 in-lbs of torque
- On-board battery fuel gauge displays remaining run time
- Metal ratcheting chuck for maximum durability
- Kit Includes:
  - (1) M12™ 3/8" Drill/Driver (bare tool) (2407-20)
  - (1) M12™ REDLITHIUM Battery (48-11-2401)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) Belt clip
  - (1) Carrying case



Part #	Mfg #	Description	Price
162001	2407-20	Bare Tool	
162000	2407-22	Kit	



## Power Tools - M12 and Misc

### M12 FUEL™ 1/2" Drill/Driver

- POWERSTATE™ Brushless motor
- REDLITHIUM™ Battery technology
- REDLINK Plus™ Intelligence

**Kit Includes:**

- (1) M12 FUEL™ 1/2" Drill/Driver (2403-20)
- (1) M12 REDLITHIUM™ 2.0 Compact battery pack (48-11-2420)
- (1) M12™ REDLITHIUM™ XC 4.0 extended capacity battery pack (48-11-2440)
- (1) M12™ Lithium-ion battery charger (48-59-2401)
- (1) Belt clip
- (1) Carrying case



Part #	Mfg #	Description	Price
172508	2403-20	Bare Tool	
165720	2403-22	Kit	

### M12™ Cordless Rotary Tool

**Kit Includes:**

- M12™ Rotary tool (2460-20)
- (1) REDLITHIUM™ Battery (48-11-2401)
- (5) Cutting wheels, mandrel
- Wrench
- 30-Minute charger



Part #	Mfg #	Description	Price
162782	2460-20	Bare Tool	
144497	2460-21	Kit	

### M12™ 1/4" Hex 2-Speed Screwdriver

- Delivers up to 275 in-lbs of torque
- On-board battery fuel gauge displays remaining run time
- New ergonomic handle design for increased comfort
- 1/4" Hex quick change chuck for one-handed bit changes

**Kit Includes:**

- (1) M12™ 1/4" Hex 2-speed screwdriver (2406-20)
- (2) M12™ REDLITHIUM™ battery (48-11-2401)
- (1) M12™ Lithium-ion battery charger (48-59-2401)
- (1) Belt clip
- (1) Carrying case



Part #	Mfg #	Description	Price
162004	2406-20	Bare Tool	
162003	2406-22	Kit	

### M12 FUEL™ 1/4" Hex 2-Speed Screwdriver

- POWERSTATE™ Brushless motor
- REDLITHIUM™ Battery technology
- REDLINK Plus™ Intelligence



Part #	Mfg #	Description	Price
165722	2402-22	Kit	

### M12™ 1/4" Hex Screwdriver

- Quick one-handed bit-loading
- Variable speed trigger
- No load speed: 0 to 500 rpm
- Kit Includes:
  - M12™ Screwdriver (2401-20)
  - (2) 12V Lithium-Ion batteries
  - 12V Charger
  - Compact driver storage bag
- 5-Year warranty



Part #	Mfg #	Description	Price
137546	2401-22	Kit	

### M12™ 1/4" Hex Impact Driver Kit

- 1,000 in-lbs of torque
- 0-2,500 RPM
- On-board battery fuel gauge
- Kit Includes:
  - (1) M12™ 1/4" Hex impact driver (2462-20)
  - (1) M12™ REDLITHIUM™ battery (48-11-2401)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) Belt clip
  - (1) Carrying case



Part #	Mfg #	Description	Price
160215	2462-20	Bare Tool	
160216	2462-22	Kit	



## Power Tools - M12 and Misc

### M12™ 1/4" Impact Wrench Kit

- Lightweight, compact design
- On-board battery fuel gauge
- 1/4" anvil with friction ring



- Kit Includes:
  - (1) M12™ 1/4" Impact wrench (2461-20)
  - (2) M12™ REDLITHIUM™ battery (48-11-2401)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) Belt clip
  - (1) Carrying case

Part #	Mfg #	Description	Price
162010	2461-20	Bare Tool	
162009	2461-22	Kit	

### M12™ 3/8" Impact Wrench Kit

- 1,200 in-lbs of torque
- On-board battery fuel gauge
- 3/8" anvil with friction ring



- Kit Includes:
  - (1) M12™ 3/8" Impact wrench (2463-20)
  - (2) M12™ REDLITHIUM™ battery (48-11-2401)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) Belt clip
  - (1) Carrying case

Part #	Mfg #	Description	Price
162008	2463-20	Bare Tool	
162006	2463-22	Kit	

### M12 FUEL™ 1/4" Impact Wrench

- POWERSTATE™ Brushless motor
- REDLITHIUM™ 2.0 Battery
- REDLINK Plus™ Intelligence
- DRIVE CONTROL™



- Kit Includes:
  - (1) M12 FUEL™ 1/4" Impact wrench (2452-20)
  - (2) M12 REDLITHIUM™ 2.0 Compact battery pack (48-11-2420)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) Belt clip
  - (1) Carrying case

Part #	Mfg #	Description	Price
165719	2452-22	Kit	

### M12 FUEL™ 5/8" SDS Plus Rotary Hammer Kit

- REDLINK™ Intelligence
- REDLITHIUM™ Battery technology
- Electro pneumatic mechanism
- Delivers 0-900 RPM and 0-6,200 BPM for superior performance
- Compact, lightweight design
- 2-Mode operation
- LED light: Illuminates the work surface



Part #	Mfg #	Description	Price
228736	2416-20	Bare Tool	
165721	2416-22XC	Kit	

### M12 FUEL™ 3/8" Impact Wrench

- POWERSTATE™ Brushless motor
- REDLITHIUM™ 2.0 Battery
- REDLINK Plus™ Intelligence
- DRIVE CONTROL™



Part #	Mfg #	Description	Price
238273	2454-20	Bare Tool	
165718	2454-22	Kit	

### M12™ Cordless Ratchet

- Torque: 30 ft-lbs
- Speed: 250 rpm
- Anvil: 1/4" ball detent
- Kit includes:
  - M12™ Ratchet
  - (1) M12™ REDLITHIUM™ battery
  - 30-Minute charger
  - Carrying case



Part #	Mfg #	Description	Size	Price
143704	2456-20	Bare Tool	1/4"	
143703	2456-21	Kit	1/4"	
143706	2457-20	Bare Tool	3/8"	
143705	2457-21	Kit	3/8"	

## Power Tools - M12 and Misc

### M12™ Hackzall™ Cordless Reciprocating Saw

- 11" Long and 2.6 lbs for cutting in tight spaces
- 1/2" Stroke, 0 to 3,000 strokes per minute
- All-metal gear case
- Variable speed trigger
- Battery fuel gauge
- QUIK-LOK™ blade clamp
- Built-in LED light illuminates work surface
- Accepts both Hackzall™ and Sawzall® style blades
- Kit includes:
  - Hackzall™ (2420-20)
  - 30-Minute charger
  - (2) Hackzall™ blades
  - Carrying case



Part #	Mfg #	Description	Price
146874	2420-20	Bare Tool	
137550	2420-21	Kit	

### M12™ Cordless PVC Shear Kit

- Ultra sharp blade with pierce point
- Offset blade cuts PVC/PEX in-wall, in-ground, or close to wall
- Quick return blade
- All metal planetary drive
- Stainless steel blade and aluminum jaw
- Variable speed trigger
- Impact, water and rust resistant
- On board fuel gauge - displays remaining run-time
- Torque: 1,900 in-lbs
- Kit Includes:
  - M12™ Cordless PVC shear (2470-20)
  - (1) Lithium-Ion battery
  - 30-Minute charger
  - Carrying case



Part #	Mfg #	Description	Price
152547	2470-20	Bare Tool	
137552	2470-21	Kit	

### M12™ Cordless Grease Gun

- Maximum operating pressure: 8,000 psi
- Grease capacity: 14 oz cartridge/16 oz bulk
- Kit Includes:
  - M12™ Grease gun (2446-20)
  - M12™ XC REDLITHIUM™ battery
  - 60-Minute charger
  - 36" High pressure flex hose with spring guard
  - Grease coupler
  - Carrying case



Part #	Mfg #	Description	Price
224896	2446-20	Bare Tool	
141426	2446-21XC	Kit	

### M12™ Cordless LITHIUM-ION Multi-Tool

- Cuts, grinds, sands and scrapes
- Variable speed dial
- On board fuel gauge displays run time
- Runs 5,000 to 20,000 OPM
- Kit includes:
  - Cordless multi-tool
  - Accessory adapter
  - Wood cutting blade
  - (1) REDLITHIUM™ battery
  - 30-Minute charger
  - Contractor bag



Part #	Mfg #	Description	Price
150059	2426-20	Bare Tool	
143165	2426-21	Kit	

### M12™ Cordless Multi-Tool

- Cuts, grinds, sands and scrapes
- Variable speed dial
- On board fuel gauge displays run time
- Runs 5,000 to 20,000 OPM
- Kit Includes:
  - Cordless multi-tool
  - Accessory adapter
  - Wood cutting blade
  - Sanding pad
  - (5) Assorted sanding sheets
  - (2) REDLITHIUM™ batteries
  - 30-Minute charger
  - Contractor bag



Part #	Mfg #	Description	Price
139011	2426-22	Kit	

## Power Tools - M12 and Misc

### M12™ Soldering Iron Kit

- 18 Second heat up time
- LED work light
- 3-Stop pivoting head
- 750° Max temperature
- 90W heater
- Kit includes
  - Pointed tip
  - Chisel tip
  - M12™ Soldering iron (2488-20)
  - M12 Charger and carrying case
  - M12™ REDLITHIUM compact battery pack



Part #	Mfg #	Description	Price
241854	2488-21	Kit	
244358	2488-20	Bare Tool	

### M12™ Cordless 2-Tool Combo Kit

- 1/4" Hex screwdriver delivers 150 in-lbs of torque, 15 position clutch, and 0 to 500 rpm
- Hackzall™ reciprocating saw delivers 0 to 3000 spm
- Kit includes:
  - Screwdriver (2401-20)
  - Hackzall™ Reciprocating saw (2420-20)
  - (2) M12™ Lithium-Ion batteries
  - 30-Minute charger
  - (2) Hackzall™ blades
  - Contractor bag



Part #	Mfg #	Description	Price
137556	2490-22	Combo Kit	

### M12 FUEL™ 2-Tool Combo Kit

- Kit includes:
  - (1) M12 FUEL™ 1/2" Drill/Driver (2403-20)
  - (1) M12 FUEL™ 1/4" Hex Impact Driver (2453-20)
  - (1) M12 REDLITHIUM™ 2.0 Battery (48-11-2420)
  - (1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (48-11-2440)
  - (1) M12™ Lithium-ion Battery Charger (48-59-2401)
  - (2) Belt Clip
  - (1) Carrying Case



Part #	Mfg #	Description	Price
186086	2594-22	Combo Kit	

### M12 FUEL™ 2-Tool Combo Kit (1/2" Hammer Drill, 1/4" Hex Impact Driver)

- Kit includes:
  - (1) M12 FUEL™ 1/2" Drill/Driver (2503-20)
  - (1) M12 FUEL™ 1/4" Hex Impact Driver
  - (1) M12 REDLITHIUM™ Battery
  - (2) Belt Clip
  - (1) Contractor Bag



Part #	Mfg #	Description	Price
244456	2598-22	Combo Kit	

### M12™ Cordless LITHIUM-ION 2-Tool Combo Kit

- Kit Includes:
  - M12™ 3/8" Hammer Drill/Driver
  - M12™ 1/4" Hex Impact Driver
  - REDLITHIUM Battery



Part #	Mfg #	Description	Price
163696	2497-22	Kit	

### M12™ Cordless 4-Tool Combo Kit

- Hackzall™ reciprocating saw delivers 0 to 3000 spm
- Copper tubing cutter adjusts to cut 3/8" to 1" copper
- Work light illuminates large work area with 90° rotating head and integrated magnet



- Kit Includes:
  - Screwdriver (2401-20)
  - Hackzall™ reciprocating saw (2420-20)
  - Copper tubing cutter (2471-20)
  - Work light (49-24-0145)
  - (2) 12V Lithium-Ion battery packs
  - 30-Minute charger
  - (2) Hackzall™ blades
  - Contractor bag

Part #	Mfg #	Description	Price
138377	2490-24	Combo Kit	

## Power Tools - M12 and Misc

### M12™ Cordless 2-Tool Combo Kit (1)

- Kit Includes:
  - 1/4" Hex Impact driver (2450-20)
  - Hackzall™ Reciprocating saw (2420-20)
  - (2) Lithium-Ion batteries
  - 30-Minute charger
  - Contractor bag



Part #	Mfg #	Description	Price
139268	2491-22	Combo Kit	

### M12™ Cordless 2-Tool Combo Kit

- Kit Includes:
  - 3/8" Drill driver (2410-20)
  - 1/4" Hex impact driver (2450-20)
  - (2) M12™ REDLITHIUM™ Batteries (48-11-2401)
  - 30-Minute charger (48-59-2401)
  - Contractor bag



Part #	Mfg #	Description	Price
137558	2494-22	Combo Kit	

### M12 Fuel™ Cordless Tools

#### M12™ FUEL 1/2" Drill/Driver

- Most capable, lightest weight, most compact
- 1/2" All metal chuck for maximum grip and bit retention
- E-Clutch for consistent repeatability
- 1700 RPMs for faster drilling speeds
- 350 in lbs of peak torque



Part #	Mfg #	Description	Price
244564	2503-20	Bare Tool	
244562	2503-22	Kit	

#### M12 FUEL™ 1/2" Hammer Drill Kit

- Most capable, lightest weight, most compact
- 1/2" All metal chuck for maximum grip and bit retention
- E-Clutch for consistent repeatability
- 1700 RPMS for faster drilling speeds
- 350 in lbs of peak torque



Part #	Mfg #	Description	Price
244567	2504-20	Bare Tool	
244566	2504-22	Kit	

### M12 FUEL™ 1/2" Hammer Drill/Driver Kit

- POWERSTATE™ Brushless motor
- REDLINK Plus™ Intelligence
- REDLITHIUM™ Battery technology



- Kit Includes:
  - (1) M12 FUEL™ 1/2" hammer drill/driver (2404-20)
  - (1) M12 REDLITHIUM™ 2.0 compact battery pack (48-11-2420)
  - (1) M12™ REDLITHIUM™ XC 4.0 extended capacity battery pack (48-11-2440)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) Belt clip
  - (1) Carrying case

Part #	Mfg #	Description	Price
154724	2404-22	Kit	

### M12 FUEL™ 1/4" Hex Impact Driver Kit

- Most Compact
- 4-Mode Drive Control
- POWERSTATE brushless motor
- REDLINK PLUS intelligence
- REDLITHIUM batteries
- 4-mode drive control provides greater control over output speed and power



Part #	Mfg #	Description	Price
244569	2553-20	Bare Tool	
244568	2553-22	Kit	

### M12 FUEL™ 1/4" Hex Impact Driver

- POWERSTATE™ Brushless motor
- REDLITHIUM™ 2.0 Battery technology
- REDLINK Plus™ Intelligence
- DRIVE CONTROL™
- Kit Includes:
  - (1) M12 FUEL™ 1/4" hex impact driver (2453-20)
  - (2) M12 REDLITHIUM™ 2.0 compact battery pack (48-11-2420)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) Belt clip
  - (1) Carrying case



Part #	Mfg #	Description	Price
159974	2453-20	Bare Tool	
154725	2453-22	Kit	



## Power Tools - M12 and Misc

### M12 FUEL™ 2-Tool Combo Kit: 1/2" Drill Driver and 1/4" Hex Impact Driver

- Most Capable 12V Drill
- Lightest Weight in its class
- Most Compact in its class
- 1/2" All Metal chuck for maximum grip and bit retention
- E-Clutch for consistent repeatability in driving applications
- 1700 RPMs for faster drilling speeds
- 350 in.lbs of peak torque



Part #	Mfg #	Description	Price
244570	2596-22	Kit	

### M12 FUEL™ HACKZALL® Recip Saw Kit

- One-handed design
- Compact size
- POWERSTATE™ brushless motor
- REDLINK PLUS™ Intelligence
- REDLITHIUM™ XC 4.0 Battery pack



Part #	Mfg #	Description	Price
166203	2520-20	Bare Tool	
166202	2520-21XC	Kit	

### M12 FUEL™ Circular Saw



Part #	Mfg #	Description	Price
220202	2530-20	Bare Tool, 5-3/8"	

### M12™ Cordless LITHIUM-ION 4-Tool Combo Kit

- Kit Includes:
  - (1) M12™ 3/8" Drill/Driver (bare tool) (2407-20)
  - (1) M12™ HACKZALL® Recip saw (bare tool) (2420-20)
  - (1) M12™ 1/4" Hex impact driver (bare tool) (2462-20)
  - (2) M12™ REDLITHIUM™ Battery (48-11-2401)
  - (1) M12™ Lithium-ion battery charger (48-59-2401)
  - (1) M12™ Work light (49-24-0145)
  - (1) Contractor bag



Part #	Mfg #	Description	Price
159666	2498-24	Combo Kit	

### M12™ Fuel Cordless Ratchet

- Torque: 55ft-lbs
- Speed: 250 rpm
- LED light
- REDLINK PLUS™
- REDLITHIUM™ batteries
- POWERSTATE™ brushless motor



Part #	Mfg #	Description	Size	Price
241820	2557-20	Bare Tool	3/8"	

### M12™ Miscellaneous Tools

#### M12™ Caulk and Adhesive Gun

- 30 Minutes charge time
- Kit includes:
  - (1) M12™ 10oz. Caulk and Adhesive Gun (Bare Tool) (2441-20)
  - (1) 3/8" Hollow Shaft Nut Driver (48-22-2424)
  - (1) 3/8" Hollow Shaft Nut Driver (48-22-2424)



Part #	Mfg #	Description	Price
158760	2441-20	Bare Tool	
232433	2441-21	Kit	

#### M12™ Sausage Style Caulk and Adhesive Gun

- 20 oz Aluminum barrel
- Kit Includes:
  - 12V 20oz Sausage conversion kit (48-08-0905)
  - M12 Lithium-ion battery charger (48-59-2401)
  - M12 REDLITHIUM Battery (48-11-2401)



Part #	Mfg #	Description	Price
243478	2442-21	Kit	

### M12™ Cordless Palm Nailer

- 12V
- REDLITHIUM™ technology
- REDLINK™ Intelligence
- On-board fuel gauge
- Build-in LED light
- Industrial-duty collet: 6D-16D magnetic collet provides secure hold for one-handed tool use



Part #	Mfg #	Description	Price
242609	2458-20	Bare Tool	

## Power Tools - M12 and Misc

### M12™ Compact Inflator

- Includes: Ball inflation needle, Presta chuck, Schrader chuck, Inflator nozzle
- TrueFill™ auto shut-off technology increases accuracy, protects from over-temp and over-fill
- Illuminated digital gauge with target and current pressure reading
- Inflates car, LT truck, and compact equipment tires
- High efficiency pump & motor for true 120PSI capability



Part #	Mfg #	Description	Price
245947	2475-20	Bare Tool	

### M12™ Crown Stapler

- Kit includes:  
 (1) M12 3/8" Crown Stapler (2447-20)  
 (1) M12™ REDLITHIUM™ Battery (48-11-2401)  
 (1) M12™ Lithium-ion Battery Charger (48-59-2401)



Part #	Mfg #	Description	Price
238191	2447-21	3/8"	

### M12™ 160 x 120 Thermal Imager Kit

- 30-Minute charge time
- 4-Hour battery life
- Knurled focus ring
- 3.5" High resolution LCD
- 4" Minimum focus distance
- Hinged camera style lens
- Raised corners protect the LCD and thermal engine if dropped
- Complete report software
- Broader temperature range —14 to 662°F
- REDLITHIUM™ batteries
- Built-in visual camera & flashlight
- Auto and manual ranging
- Iron, rainbow, and gray color pallets
- Data storage: 2GB SD card
- All thermal and visual images use standard JPEG format for use in any program



Part #	Mfg #	Display Resolution	Price
144777	2260-21	160 x 120 Pixels	

### M12™ 102 X77 Infrared Camera

- 7,854 (102 x 77) pixel resolution captures highest resolution image in it's class
- DUAL SENSE™ pixels are ultra-responsive, adjusting individually to eliminate blurring of hot and cold details
- Measure surface temperatures 14°F to 626°F degrees for images spanning wide ranges
- 2-Stage trigger activates lasers for easy scanning or quickly captures images
- Dual lasers frame on-screen temperature area
- Multiple color palettes available: rainbow, grayscale and ironbow
- Automatically locates highest and lowest temperatures
- Fully compatible with Milwaukee® thermal imager reporting software available at Milwaukeeetool.com
- Compatible with over 70+ M12™ tools



Part #	Mfg #	Description	Price
185579	2258-21	102 X 77 Infrared Camera	

### M-Spector™ Inspection Scope Kit

- 2.7" LCD display
- Four surround LED lights
- 3 ft enhanced cable
- Kit Includes:  
 -(1) M-Spector™ Scope Kit  
 -(1) Pipe guide attachment  
 -(1) 9V Battery  
 -(1) Carrying case



Part #	Mfg #	Description	Price
229565	2309-20	Kit	

### M12™ M-Spector 360™ Rotating Inspection Scope

- Rotating display allows user to orient the image without having to fight the cable
- 640 x 480 Digital image sensor
- (4) LED lights
- Display: 2.7" LCD
- 9mm Aluminum head
- 3' Cable
- Kit Includes:  
 - M-Spector 360™ console  
 - M12™ REDLITHIUM™ battery  
 - 30 Minute charger  
 - Hook, magnet and mirror attachments  
 - Carrying case



Part #	Mfg #	Description	Price
148602	2313-21	Kit	

## Power Tools - M12 and Misc

### M12™ Miscellaneous Tools (Continued)

#### M12™ M-Spector 360™ Rotating Inspection Scope

Part #	Mfg #	Description	Price
155645	2314-21	Kit, 9Ft Cable	

#### SUB-SCANNER™ M12™ Detection Tool

- Measures depth and location of Rebar up to 6" through concrete
- Detects location of wood and metal studs
- Differentiates between steel and copper or aluminum metals
- Intuitive user interface displays stud centers and edges
- High contrast white on black display and back light for easy reading
- Rugged over-molding improves durability and user grip
- One button calibration for all surfaces



Part #	Mfg #	Description	Price
153058	2291-20	Bare Tool	

### Drills

#### 3/8" Pistol Drill

- 8 Amp motor
- 120VAC Only
- Keyless, metal chuck type
- All metal gear case
- Soft grip handle and 2-finger trigger
- 8' Cord
- Kit Includes:
  - 3/8" Drill
  - Side handle



Part #	Mfg #	No Load RPM	Price
139060	0240-20	0 - 2,800	

#### SDS Plus Rotary Hammer Kit



Part#	Mfg#	Description	Size	Price
164855	5263-21	Kit	5/8"	
219770	5268-21	Kit	1-1/8"	

#### 1-9/16" Spline Rotary Hammer

- Powerful 10.5 amp motor: Delivers 450RPM and 3,000 BPM
- Powerful hammer mechanism
- CPT™- Constant power technology Mechanical clutch
- 2-Mode operation: Rotary hammer and hammer only
- 12-Position chipping adjustment



Part #	Mfg #	Description	Price
153749	5316-21	Kit	

#### 1-9/16" SDS Max Rotary Hammer

- Powerful 10.5 Amp motor: Delivers 450 RPM and 3,000BPM
- Powerful hammer mechanism
- CPT™- Constant power technology
- Mechanical clutch
- 2-mode operation: Rotary hammer and hammer only
- 12-Position chipping adjustment: Allows the user to maintain the desired hammer position while chipping in any orientation



Part #	Mfg #	Description	Price
159786	5317-21	Kit	

#### 1/2" D-Handle Drill

- 0-500 RPM
- 7.0 Amp motor
- Torque: Offers 1/2" capacity in steel
- Heavy-Duty keyed chuck w/ holder
- QUIK-LOK® Cord: 8ft, 3-wire ground rubber cord



Part #	Mfg #	No Load RPM	Price
242791	1107-6	0-500	

## Power Tools - M12 and Misc

### 2" SDS Max Rotary Hammer

- 15-Amp motor, 120V AC
- 19.9 ft-lbs of blow energy
- D-handle style
- Variable-speed dial
- Service reminder light
- Double insulated cord type
- Vibration isolation system
- No load speed: 125-250
- No load BPM: 975-1,950
- 6" Thick wall core bit capacity
- Drilling mode: Rotary hammer & hammer only



Part #	Mfg #	No Load RPM	Price
221333	5342-21	125-250	

### 1/2" Hole Hawg® Drill 900 RPM

- Powerful 7.5-amp motor: Delivers 900 RPM with reverse
- Selffeed bit capacity: Handles up to a 2-9/16"
- Reinforced nylon resin casing
- Kit Includes:
  - (1) 1/2" Hole Hawg® Drill 900RPM (1670-1)
  - (1) Pipe handle



Part #	Mfg #	Description	Price
224919	1670-1	Kit	

### 3/4" Large Drill, 350 RPM

- Powerful 10.0-amp motor. Delivers up to 350RPM with reverse
- Torque: Offers 3/4" capacity in steel
- Heat-treated gears: Helical-cut for quiet performance
- 8-ft fixed rubber cord
- Includes:
  - (1) 3/4" Large Drill (1854-1)
  - (1) Pipe Handle



Part #	Mfg #	Description	Price
151479	1854-1	1854-1 3/4" 120V 350RP Drill	

### 1/2" Magnum® Drill

- Motor: 120VAC 8A
- 360° Locking side handle
- Chuck key with holder
- 8' Cord



Part #	Mfg #	No Load RPM	Price
139067	0299-20	0 - 850	
184121	0300-20	0-850	

### Right Angle Drill Kits

#### 1/2" Reversing Right Angle Drill Kit

- 120VAC, 7.0A R.A.D.
- 1/2" Trigger speed control reversing
- Use with up to 4-5/8" self-feed bits
- Head and handle swivel 360°
- Allow 5-1/2" for right angle drill head and chuck
- Kit Includes:
  - Chuck key and rubber flex key holder
  - Right angle drive
  - 9/16" Open end wrench
  - 3/16" Socket wrench
  - Chuck remover bar
  - Side handle
  - Steel carrying case
  - 8' 3-Wire Quik-Lok® cord set



Part #	Mfg #	Kit Type	Drill RPM	Amps	Price
137799	3107-6	Variable	0-500	7.0	

### Super Hawg™ Drills

#### Super Hawg™ 1/2" Drill

- Clutch in low speed
- High operating speeds for maximum productivity
- 90° Left-right, Roto-Lok® handle
- Comfort grip switch handle and gear case with front T-bar handle
- Includes side handle
- 1680-21 Includes carrying case
- 5-Year warranty



Part #	Mfg #	No Load RPM	Steel Capacity	Price
148643	1680-20	450/1,750	1/2"	
137572	1680-21	450/1,750	1/2"	



## Power Tools - M12 and Misc

### Hole-Hawg®

#### Hole-Hawg® Drill

- 120VAC, 7.5A
- Compact design
- Triple reduction gearing
- 2-Position pipe handle
- 3-Position spade handle
- 2-Speed gear shift
- External brush caps
- Includes steel carrying case



Part #	Mfg #	No Load RPM	Price
144516	1676-6	300/1,200	

### 8" Metal Cutting Saw Kit

- Dry-cut technology
- Durable blade shields with integral chiptank deflects/collects hot chips and sparks
- Plunge lever for fast, effective plunge cuts
- Exclusive quick-release shield latch
- 2-9/16 in cut depth for one-pass cuts through most common materials
- Powerful 13.0 amp, 3,700 rpm motor
- Premium cement-tipped blades cut faster, cleaner, and longer than other carbide-tipped or friction blades



Part #	Mfg #	Description	Price
243054	6370-20	Bare Tool	
161013	6370-21	Kit	

### Miter Saws

#### Dual-Bevel Sliding Compound Miter Saw

- Angle digital readout
- Angle fine adjust w/ detent override
- Dual integral jobsite lights
- Powerful 15.0 amp, 3.3 Max HP direct drive motor
- Constant Power Technology with Soft Start
- Integral dust channel
- Dual horizontal steel railers
- Oversized single lever bevel adjustment



Part #	Mfg #	Description	Price
242515	6955-20	12", Bare Tool	

### Sawzall® Reciprocating Saws

#### 15 Amp Super Sawzall® Reciprocating Saw

- Constant Power Technology™
- Gear Protecting Clutch
- Counter Balanced Mechanism
- Variable Speed trigger and drill speed control
- Quick-Lok™ blade clamp system
- Includes carrying case



Part #	Mfg #	Length of Stroke	Strokes Per Minute	Price
227013	6538-21	1-1/4"	0-2,800	

#### 13 Amp Orbital Super Sawzall® with Case

- Orbital cutting action
- Variable speed trigger
- Quik-Lok™ blade clamp
- 8' Cord
- 5-Year warranty



Part #	Mfg #	Length of Stroke	Strokes Per Minute	Price
148168	6536-21	1-1/4"	0 - 3,000	

### Circular Saws

#### TILT-LOK™ 7-1/4" Circular Saw with Case

- New exclusive TILT-LOK™ main handle adjusts to the work or most comfortable work position
- 10.4 pounds net weight
- 15 amp, 3.25 peak horsepower
- Wide, clear sight line
- Kit Includes:
  - (1) TILT-LOK™ 7-1/4" Circular Saw with case (6390-21)
  - (1) Blade wrench
  - (1) Carrying case
  - (1) Circular saw blade



Part #	Mfg #	Description	Price
154578	6390-21	Kit	

## Power Tools - M12 and Misc

### 12 Amp Sawzall® Reciprocating Saw

- Quik-Lok™ blade clamp
- Gear protecting clutch
- Counter weighted mechanism
- Includes:
  - (1) Sawzall® Recip Saw
  - Carrying case



Part #	Mfg #	Length of Stroke	Strokes Per Minute	Price
137571	6509-31	3/4"	0 - 3,000	
219154	6519-31	1-1/8"	0-3,000	

### 360° Rotating Handle Orbital Super Sawzall® Reciprocating Saw

- 360° Rotating handle
- 13 Amp Milwaukee built motor
- Orbital cutting action
- Variable speed trigger, 0-3000 SPM
- 1-1/4in stroke
- Counter balanced/gear protection systems
- Speed dial
- QUIK-LOK™ blade clamp
- QUIK-LOK® cord
- Includes:
  - (1) 360° Rotating handle orbital super Sawzall® recip saw (6523-21)
  - (1) Carrying case



Part #	Mfg #	Description	Price
154278	6523-21	Kit	

### Band Saws

#### M12™ Sub-Compact Band Saw

- One-Handed Cuts
- Cuts 3/4" EMT in 3 seconds  
1-5/8" Cut Capacity
- LED Light
- Blade tension adjustment
- Kit Includes:
  - (1) 18 TPI Sub-Compact Band Saw Blade
  - (1) M12™ Sub-Compact Band Saw (Bare Tool) (2429-20)
  - (1) M12™ XC High Capacity REDLITHIUM™ Battery (48-11-2402)
  - (1) M12™ Lithium-ion Battery Charger (48-59-2401)
  - (1) Carrying Case



Part #	Mfg #	Description	Price
172509	2429-20	Bare Tool	
150209	2429-21XC	Kit	

### Compact Band Saw

- 120VAC
- 7.0A Motor, 3-wire, 8' cord
- LED Work light
- Blade ejection system
- Drop-resistant pulley guard
- Cast aluminum gear case
- Adjustable material guide
- Maximum rectangular capacity: 3-1/4" x 3-1/4"
- Maximum round capacity: 3-1/4"
- Kit Includes:
  - Band saw
  - Case



Part #	Mfg #	No Load SFPM	Price
142295	6242-6	200 - 300	

### Abrasive Cut-Off Machines

#### 14" Abrasive Cut-Off Machine

- Cuts up to 5" pipe
- Oversized wheel guards
- Miter capacity: 45° with adjustable fence
- Large spindle lock button
- Kit Includes:
  - Vise
  - Abrasive wheel
  - Hex wrench



Part #	Mfg #	Description	Price
142284	6177-20	120VAC/DC, 15 Amps	

#### 14" Hand Held Cut-Off Machine

- Powerful 15-amp, 4.8 maximum horsepower motor
- 20-amp overload protection switch
- Downward cutting rotation
- Externally accessible brushes | and brush cutoff feature
- Kit Includes:
  - (1) 14" Abrasive Cut-Off Machine (6177-20)
  - (1) Abrasive Wheel
  - (1) Hex Wrench
  - (1) Vise



Part #	Mfg #	Description	Price
161844	6185-20	Kit	

## Power Tools - M12 and Misc

### Sanders

#### 5" Random Orbit Palm Sander

- 3 Amp permanent magnet motor
- Variable speed dial
- Kit Includes:
  - (1) 5" Random Orbit Palm Sander (6034-21)
  - (2) 80 Grit Sandpaper
  - (1) Plastic Dust Canister
  - (1) Universal Vac Hose Adapter
  - (1) Contractor Bag



Part #	Mfg #	Description	Price
231354	6034-21	Kit	

#### 3.5 Max HP Sander

- 7"/9"
- 6000 RPM



Part #	Mfg #	Speed RPM	Disc Dia	Price
237737	6066-6	6,000	7"/9"	

### Grinders

#### 11 AMP 4-1/2" Small Angle Grinder Paddle, Lock-On

- Powerful 11 AMP, 11,000 RPM motor
- Overload Protection
- Electronic Clutch
- Tool-Free accessory change
- Tool-Free adjustable guard
- Advanced airflow system
- Debris baffles
- Includes:
  - (1) 11 Amp 4-1/2" small angle grinder paddle, lock-on (6146-30)
  - (1) Contractor bag
  - (1) Flange
  - (1) Grinding wheel
  - (1) Side handle
  - (1) Spanner wrench
  - (1) Type 27 guard



Part #	Mfg #	Description	Price
240167	6141-30	Kit	
158930	6146-30	Kit	

### Misc. Tools

#### 8 Gallon Dust Extractor

- 2 Step filtration system
- On-board tool activated plug
- Quiet operation: 69dB
- Suction control dial
- 13 Ft Anti-static hose
- Large wheels, locking swivel casters for jobsite durability
- Water level float valve shuts off suction when tank is full



Part #	Mfg #	Description	Price
242452	8960-20	Bare Tool	

#### Diamond Coring Rig w/ Large Base Stand, Vac-U-Rig® Kit, Meter Box and Diamond Coring Motor

- Kit Includes:
  - Diamond coring large base stand
  - Diamond coring motor
  - Large base stand
  - Vac-U-Rig® kit
  - Diamond coring rig
  - Meter box



Part #	Mfg #	Description	Price
244274	4120-22	Kit	

#### Fixed-Base Production Router

- 15 Amps
- 8' Fixed cord
- 120V AC
- Double insulated
- 36-Position speed dial
- 10,000-22,000 No load rpm
- Kit includes:
  - 1/2" Collet
  - 2-1/2" Sub-base
  - 1-1/8" Collet wrenches
  - T-handle wrench



Part #	Mfg #	Description	Price
241914	5625-20	3-1/2" MAX HP	

## Power Tools - M12 and Misc

### Milner Saw Stand

- Material supports with steel rollers extend to 9.5' for maximum work piece support
- 550 lbs table area weight capacity
- Rubber wheels for max portability
- Adjustable leg provides stability on uneven surfaces
- Collapsible legs for compact storage



Part #	Mfg #	Description	Price
227452	48-08-0550	55"(119" Fully Extended) x 39-1/2"H	

### 14 Gauge Shear

- 5 amps, 4,000 SPM
- Clear unobstructed visibility
- Cuts close curves either left or right
- Blade design eliminates jamming



Part #	Mfg #	Description	Price
176044	6815	14 Gauge Shear	

### 10 Gauge Nibbler

- 4.0 amp, 1,000 SPM
- Cuts up to 8.75ft per minute
- 1.65 in. starting hole required
- AC-DC toggle switch allows for two-handed operation



Part #	Mfg #	Description	Price
176046	6880	10 Gauge Nibbler	

### M12™ TRAPSNAKE™ Toilet Auger

- 6'
- Kit includes:
  - (1) M12™ TRAPSNAKE™ 6' Toilet Auger (Tool Only) (2576-20)
  - (1) M12™ REDLITHIUM™ Battery (48-11-2401)
  - (1) M12™ Lithium-ion Battery Charger (48-59-2401)



Part #	Mfg #	Description	Price
230879	2576-20	Bare Tool	
230877	2576-21	Kit	

### M12™ TRAPSNAKE™ 2-Tool Combo Kit

- Kit includes:
  - (1) M12™ TRAPSNAKE™ 4' Urinal Auger (Tool Only) (2574-20)
  - (1) M12™ TRAPSNAKE™ 6' Toilet Auger (Tool Only) (2576-20)
  - (1) M12™ REDLITHIUM™ Battery (48-11-2401)
  - (1) M12™ Lithium-ion Battery Charger (48-59-2401)



Part #	Mfg #	Description	Price
230883	2577-21	Kit	

### TRAPSNAKE™ Manual Toilet Auger

- Powers through tough clogs and retrieve with control
- Integrated locking mechanism which holds the cable in place for easy telescoping extension and retraction
- Fixed Rubber Boot: Prevents porcelain scratches throughout the life of the tool
- Industry's first replaceable cables



Part #	Mfg #	Description	Price
230884	49-16-2576	6' x 1/2" Cable Size	
230886	49-16-2574	4' x 3/8" Cable Size	

### M12 AIRSNAKE™ Drain Cleaning Air Gun Kit

- Up to 50 PSI
- 25+ pressure cycles
- Includes:
  - 1"-2" Drain plug
  - 2"-3" Drain plug
  - 3"-4" Drain plug
  - Straight connector
  - 15° offset connector
  - Plastic carrying case
  - Drain shroud attachment
  - M12 Lithium-ion battery charger
  - M12 REDLITHIUM™ battery pack



Part #	Mfg #	Description	Price
238926	2572A-21	12V	



## Power Tools - M12 and Misc

### Airsnake™ Accessories

Part #	Mfg #	Description	Price
242106	48-53-2570	10" Extension	

### M12™ Drain Snake Kit

- 1) M12™ Drain Snake (2571-20)
- (1) 5/16"X25' BULB CABLE W/DRUM (48-53-2581)
- (1) 5 Gallon Storage Bucket
- (1) M12™ REDLITHIUM™ Battery (48-11-2401)
- (1) M12™ Lithium-ion Battery Charger (48-59-2401)



Part #	Mfg #	Description	Price
188681	2571-20	Bare Tool	
188682	2571-21	25' of 1/4" or 5/16" Inner Core Cable	

### 1-Stage Wet/Dry Vacuum Cleaner

- 10 gal, 1-1/8 bu. recovery capacity, 8.0 amp motor
- Positive water shut-off
- Can be used as a blower
- One-stage bypass motor for wet/dry operation



Part #	Mfg #	Description	Price
176821	8955	1-Stage Wet/Dry Vacuum Cleaner	
142565	49-90-1900	Filter, 8950,8955,8936-20, 8938-20	

### M12™ Compact Vacuum

- 33CFM for use on wide range of materials
- Up to 29 minutes\* on a single charge using REDLITHIUM™ XC4.0 batteries
- Versatile attachments
- Clear viewing window
- Reusable 42 pleat filter
- Lock-on switch reduces



Part #	Mfg #	Description	Price
173344	0850-20	Bare Tool	
178389	49-90-1950	Vacuum Filter	

### SHOCKWAVE™ Lineman's Impact Socket Adapter

- Pin detent design
- Optimized shock zone
- Custom alloy 76 steel
- Fits all 1/2" drive accessories
- Use with Shockwave™ Lineman's 3 in 1 utility sockets



Part #	Mfg #	Size	Price
241167	48-32-5100	7/16" Hex to 1/2" Square Adapter	

### Temperature Guns

#### Infrared Laser TEMP-GUN™ Thermometer Kit

- Basic accuracy: 1.50%
- Distance to spot: 12 to 1
- Includes:
  - Laser TEMP-GUN™ thermometer
  - (3) AA Alkaline batteries
  - K-Type thermocouple
  - Slide rail system
- 5-Year warranty



Part #	Mfg #	Temperature Range	Price
137568	2266-20	-20° to 932°F	
228847	2268-20	-22°F to 1022°F	

#### M12™ Infrared Temp-Gun™

- 12:1 distance-to-spot ratio
- 6' Drop test
- Trigger lock
- Laser on/off
- 0.95 Fixed emissivity
- Premium LCD display
- Fully bumpered nose
- High/Low temperature alert
- Hold, max, min, avg, diff modes
- M12™ 12V Lithium-ion battery
- Clear button functions with rubber overmolded grip



Part #	Mfg #	Surface Temperature	Price
223515	2278-20	-22°F to 1022°F	

## Power Tools - M12 and Misc

### Heat Guns

#### Dual Temperature Heat Gun

- Dual temperature 570 and 1000 degrees F, 11.6 amp motor
- Unique impact resistant heating element
- Three position rock switch - off, high and low



Part #	Mfg #	Description	Price
161906	8975-6	Dual Temperature Heat Gun	

#### M18™ Compact Heat Gun Kit

- LED light
- Ladder hook
- Guarded nozzle
- REDLINK PLUS™ intelligence
- High performance heating coil
- M18™ REDLITHIUM battery



Part #	Mfg #	Description	Price
238367	2688-21	Kit	

## Power Tools

### M18™ Cordless Drills

#### M18™ Cordless Right Angle Drill

- No load speed: 0 to 1550 rpm
- Torque: 125 in-lbs
- Chuck type: 3/8" single sleeve ratcheting
- Includes:
  - M18™ Right angle drill (2615-20)
  - M18™ REDLITHIUM™ XC High capacity battery
  - 1-Hour charger
  - Carrying case



Part #	Mfg #	Description	Price
162304	2615-20	Bare Tool	
142940	2615-21	Kit	

### M18™ Compact Drill Driver

- Built-in LED light
- 18V DC
- No load speed: 350 to 1,400 rpm
- Torque: 425 in-lbs
- Kit includes:
  - M18™ Compact drill driver (2601-20)
  - (2) 18V Lithium-Ion batteries
  - 18V Lithium-Ion charger
  - 1/2" 3-Jaw keyless chuck
- 5-Year warranty



Part #	Mfg #	Description	Price
137559	2601-22	Kit	

### M18™ Cordless 2-Speed 1/4" Right Angle Impact Driver

- No Load RPM: 0-1,500 (mode 1) 0-2,250 (mode 2)
- 2-Speed Drive-Control™
- 1/4" hex drive with 1" bit acceptance
- Extended paddle switch for multiple grip options



Part #	Mfg #	Description	Price
180431	2667-20	Bare Tool	

### M18™ FUEL™ 1/2" Drill/Driver Kit

- POWERSTATE™ Brushless motor
- REDLINK PLUS™ Intelligence
- Kit Includes:
  - (1) M18 FUEL™ 1/2" Drill/Driver (Bare Tool) (2703-20)
  - (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Belt Clip
  - (1) Bit Holder
  - (1) Side Handle
  - (1) Carrying Case



Part #	Mfg #	Description	Price
179571	2703-20	Bare Tool	
179572	2703-22	Kit	

### M18™ 1/2" High Performance Hammer/Drill Driver

- 4-Pole frameless motor
- 1/2" Single-sleeve ratcheting metal chuck with carbide jaws
- Battery fuel gauge displays remaining run-time
- Built-in LED light illuminates work surface
- Variable speed trigger
- No load speed: 0 to 1,800 rpm
- No load BPM: 0 to 28,000 BPM
- Includes:
  - (2) M18™ 18V XC Lithium-Ion batteries
  - 18V Charger
  - Side handle
  - Carrying case
- 5-Year warranty



Part #	Mfg #	Description	Price
139122	2611-24	650 in-lbs Torque	

### M18™ FUEL™ Hole Hawg™ Right Angle Drill with QUIK-LOK™

- POWERSTATE™ brushless motor
- REDLINK™ PLUS
- Kit Includes:
  - M18™ FUEL™ 1/2" Right angle drill
  - M18™ REDLITHIUM™ battery pack
  - M18™ & M12™ multi-voltage charger
  - Contractor bag



Part #	Mfg #	Description	Price
171055	2708-20	Bare Tool	
227455	2708-22HD	Kit	

## Power Tools

### M18™ FUEL™ Super Hawg™ 1/2" Right Angle Drill Kit

- POWERSTATE™ brushless motor
- REDLINK™ PLUS intelligence ensures optimal performance and overload protection
- Kit Includes:
  - M18™ FUEL™ 1/2" Right Angle Drill
  - M18™ REDLITHIUM™ battery pack (-HD models: REDLITHIUM™ HIGH DEMAND™ battery)
  - M18™&M12™ rapid charger
  - Chuck key
  - Side handle
  - Contractor bag



Part #	Mfg #	Description	Price
181107	2709-22	Kit	
230567	2709-22HD	High Demand Kit	

### M18™ FUEL™ Super Hawg™ Right Angle Drill with Quick-Lok™ Kit

- Includes:
  - (1) (Bare Tool) (2711-20)
  - (2) 9.0 Battery Pack (48-11-1890)
  - (1) Rapid Charger (48-59-1808)
  - (1) Side Handle
  - (1) Contractor Bag



Part #	Mfg #	Description	Price
226174	2711-22HD	Kit, Heavy Duty	
181109	2711-22	Kit	

### M18™ Compact Hammer Drill Driver

- 4-Pole frameless motor
- 1/2" Single-sleeve ratcheting metal chuck
- Variable speed trigger
- No load speed: 0 to 1,700 rpm
- No load BPM: 0 to 29,000 BPM
- Torque: 550 in-lbs
- Kit includes:
  - M18™ Hammer-drill driver (2602-22)
  - (2) 18V XC Lithium-Ion batteries
  - 1-Hour 18V charger
  - Carrying case
- 5-Year warranty



Part #	Mfg #	Description	Price
143056	2602-20	Bare Tool	
137560	2602-22	Kit	

### M18™ FUEL™ 1/2" Hammer Drill/Driver Kit

- 2-Speed Powerstate™ brushless motor
- Redlink PLUS™ Intelligence system communications with overload protection
- No load speed: 0 to 500/0 to 1850 rpm
- Includes:
  - 1/2" Drill/driver
  - (2) 18V Compact REDLITHIUM™ batteries
  - Multi-voltage charger
  - Locking chuck
  - LED Light
- 5-Year warranty



Part #	Mfg #	Description	Price
179573	2704-20	Bare Tool	

### M18 FUEL™ 1-9/16" SDS Max Hammer Drill

- POWERSTATE™ brushless motor
- REDLITHIUM™ battery pack
- REDLINK PLUS™ intelligence



Part #	Mfg #	Description	Price
226126	2717-22HD	Kit	

### M18™ FUEL™ with ONE-KEY™ 1/2" Hammer Drill/Driver Kit

- Kit includes:
  - (1) M18 FUEL™ with ONE-KEY™ 1/2" Hammer Drill/Driver (Tool Only) (2706-20)
  - (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Belt Clip
  - (1) Bit Holder
  - (1) Side Handle
  - (1) Carrying Case



Part #	Mfg #	Description	Price
223514	2706-20	Bare Tool	
230428	2706-22	Kit	



## Power Tools

### M18™ 1/4" Hex Compact Impact Driver

- 1/4" Hex quick change chuck
- 4-Pole frameless motor
- Battery fuel gauge displays remaining run-time
- No load speed: 0 to 2,200 rpm
- No load IPM: 0 to 3,200 IPM
- Variable speed trigger
- Built-in LED light illuminates work surface
- 18V
- Includes:
  - M18™ Impact driver (2650-20)
  - (2) M18™ REDLITHIUM™ XC high capacity batteries
  - Battery charger
  - Belt clip
  - Carrying case
- 5-Year warranty



Part #	Mfg #	Description	Price
144367	2650-20	Bare Tool	
137562	2650-22	Kit	

### M18™ 1/4" Hex Impact Driver

- Milwaukee® 4-Pole frameless motor
- Delivers maximum power and application speed for greater efficiency on the job
- REDLINK™ Intelligence
- 2-Mode DRIVE CONTROL™
- 1/4" Hex quick- connect chuck
- REDLITHIUM™ Battery
- Kit Includes:
  - (1) M18 2-Speed 1/4" hex impact driver (Bare tool)
  - (2) M18™ Compact REDLITHIUM™ battery (48-11-1815)
  - (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
  - (1) Belt clip
  - (1) Carrying case



Part #	Mfg #	Description	Price
164016	2657-20	Bare Tool (2-Speed)	
179431	2656-20	Bare Tool	

### M18 FUEL™ 1/4" Hex Impact Driver

- Torque: 1,800 in-lbs
- No load IPM: 0-3,700
- POWERSTATE™ brushless motor
- REDLINK PLUS™
- REDLITHIUM™ Battery (Kit only)
- 4-Mode DRIVE CONTROL™
- LED light



Part #	Mfg #	Description	Price
179575	2753-20	Bare Tool	
179576	2753-22	Kit	

### M18™ FUEL™ SURGE™ 1/4" Hex Hydraulic Driver

- Kit includes:
  - (1) 1/4" Hex Hydraulic Driver (Tool Only) (2760-20)
  - (2) M18™ REDLITHIUM™ XC5.0 (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Belt Clip
- (1) Bit Holder
- (1) Carrying Case



Part #	Mfg #	Description	Price
231122	2760-20	Bare Tool	
231123	2760-22	Kit	

### M18 FUEL™ High Torque 1/2" Impact Wrench w/ Pin Detent

- 8.1" in length
- Bolt removal mode
- REDLINK PLUS™ intelligence
- REDLITHIUM™ batteries
- Features a pin detent design for maximum socket retention
- Premium rubber overmold
- Reduced user fatigue at only 7.1lbs w/ battery
- LED light to illuminate the work area



Part #	Mfg #	Description	Price
245924	2766-22	Kit	

## Power Tools

### M18 FUEL™ 3/8" Compact Impact Wrench with Friction Ring Kit

- Kit Includes:
- (1) M18 FUEL™ 3/8" Compact Impact Wrench w/ Friction Ring (Bare Tool) (2754-20)
- (2) M18™ REDLITHIUM™ XC5.0 ExtCapacity Batteries(48-11-1850)
- (1) M18™ & M12™ Multi-Voltage charger (48-59-1812)
- (1) Belt Clip
- (1) Carrying Case



Part #	Mfg #	Description	Price
222174	2754-20	Bare Tool	
181171	2754-20	Kit	

With ONE-KEY™

Part #	Mfg #	Description	Price
245791	2758-22	Kit	

### M18™ 3/8" Impact Wrench Kit with Friction Ring

- 3/8" Anvil with friction ring
- Kit Includes:
- (1) M18™ 3/8" Impact wrench with friction ring (bare tool) (2658-20)
- (2) M18™ REDLITHIUM™ XC battery (48-11-1828)
- (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
- (1) Belt clip
- (1) Carrying case



Part #	Mfg #	Description	Price
166198	2658-22	Kit	

### M18 FUEL™ 1/2" Compact Impact Wrench with Friction Ring Kit

- Kit Includes:
- (1) M18 FUEL™ 1/2" Compact Impact Wrench w/ Friction Ring (Bare Tool) (2755B-20)
- (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Belt Clip
- (1) Carrying Case



Part #	Mfg #	Description	Price
228402	2755B-20	Bare Tool	
226462	2755B-22	Kit	

### M18 FUEL™ 1/2" High Torque Impact Wrench with Pin Detent

- Kit includes:
- (1) M18 FUEL™ 1/2" High Torque Impact Wrench (2762-20)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (2) M18™ REDLITHIUM™ XC5.0 Ext Capacity Battery (48-11-1850)
- (1) Carrying Case



Part #	Mfg #	Description	Price
221607	2762-20	Bare Tool	
166737	2762-22	Kit	

### M18 FUEL™ 1/2" High Torque Impact Wrench with Friction Ring

- LED light
- Bolt removal mode
- Rubber overmold
- REDLINK PLUS™
- REDLITHIUM™ batteries
- POWERSTATE™ brushless motor



Part #	Mfg #	Description	Price
239311	2767-20	Bare Tool	
238946	2767-22	Kit	

### M18 FUEL™ 1/2" Mid-Torque Impact Wrench with Friction Ring

- LED light
- Delivers up to 450 ft-lbs of fastening torque
- Delivers up to 600 ft-lbs of nut-busting torque
- REDLINK PLUS™
- REDLITHIUM™ batteries
- POWERSTATE™ brushless motor
- Utilizes a friction ring design to ensure quick & easy socket changes



Part #	Mfg #	Description	Price
243289	2861-20	Bare Tool	

## Power Tools

### M18™ 1/2" Impact Wrench with Pin Detent

- Kit includes:
  - (1) M18™ 1/2" Impact Wrench w/ Pin Detent (2659-20)
  - (2) M18™ REDLITHIUM™ XC Extended Capacity Battery (48-11-1828)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Belt Clip
  - (1) Carrying Case



Part #	Mfg #	Description	Price
167795	2659-20	Bare Tool	
228550	2659-22	Kit	

### M18™ Cordless 5/8" SDS Plus Rotary Hammer Kit

- REDLITHIUM™ battery technology: superior pack construction, electronics, and performance deliver more work per charge and more work over pack life than any battery on the market
- Powerful 18-volt motor: delivers 0-1,300 RPM and 0-7,000 BPM
- 2-Mode operation: choose rotary hammer or rotation only for added versatility
- LED light: illuminates dark work spaces



Part #	Mfg #	Description	Price
244697	2612-20	Bare Tool	
166128	2612-21	Kit	

### M18™ FUEL™ 1/2" Compact Impact Wrench with Pin Detent

- Kit Includes:
  - (1) M18 FUEL™ 1/2" Compact Impact Wrench w/ Pin Detent (2755-20)
  - (2) M18™ REDLITHIUM™ XC5.0 Battery Pack (48-11-1850)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Belt Clip
  - (1) Carrying Case



Part #	Mfg #	Description	Price
179580	2755-22	Kit	

### M18™ FUEL™ SDS Plus Rotary Hammer

- POWERSTATE™ brushless motor
- REDLINK PLUS™
- REDLITHIUM™ battery
- AVS system



Part #	Mfg #	Description	Price
227454	2712-22HD	High Demand Kit, 1"	
173340	2712-22	Kit, 1"	
182779	2712-20	Bare Tool, 1"	
221606	2715-20	Bare Tool, 1-1/8"	
171580	2715-22	Kit, 1-1/8"	
189902	2713-20	Bare Tool, 1" w/ D-Handle	

### M18™ 1/2" High-Torque Impact Wrench with Friction Ring Kit

- Milwaukee® 4-pole frameless motor
- REDLITHIUM™ battery technology
- REDLINK™ intelligence
- Includes:
  - (1) M18™ 1/2" high-torque impact wrench with friction ring (2663-20)
  - (2) M18™ REDLITHIUM™ XC extended capacity battery (48-11-1828)
  - (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
  - (1) Carrying case



Part #	Mfg #	Description	Price
152298	2663-22	Kit	

## Power Tools

### M18 FUEL™ 1" SDS Plus Rotary Hammer with Dedicated Dust Extractor

- POWERSTATE™ brushless motor
- REDLINK PLUS™
- REDLITHIUM™ battery
- AVS system
- Kit includes:
  - (1) M18 FUEL™ 1" SDS Plus Rotary Hammer(2712-20)
  - (1) HAMMERVAC™ Dedicated Dust Extractor (2712-DE)
  - (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Depth Rod
  - (1) HEPA Filter
  - (1) Side Handle
  - (1) Carrying Case



Part #	Mfg #	Description	Price
185835	2712-22DE	Kit	

### M18 FUEL™ 1" SDS Plus Rotary Hammer with Dedicated Dust Extractor

- POWERSTATE™ brushless motor
- REDLINK PLUS™
- REDLITHIUM™ battery
- AVS system
- Kit includes:
  - (1) M18 FUEL™ 1" SDS Plus Rotary Hammer(2712-20)
  - (1) HAMMERVAC™ Dedicated Dust Extractor (2712-DE)
  - (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Depth Rod
  - (1) HEPA Filter
  - (1) Side Handle
  - (1) Carrying Case



Part #	Mfg #	Description	Price
228970	2712-DE	Hammervac™ Dedicated	

### HAMMERVAC™ Dedicated Dust Extractor

- Engineered to connect directly to and be powered by the M18 FUEL 1" SDS Plus Rotary Hammer



Part #	Mfg #	Description	Price
159511	2605-22	Kit	

### M18 Fuel™ Cordless Drills

#### M18™ FUEL™ 1/2" Hammer Drill/Driver

- POWERSTATE™ brushless motor
- REDLINK PLUS™ Intelligence prevents damage
- No load RPM: 0-550/0-2,000 BPM: 32,000
- Includes:
  - 1/2" 18V Hammer Drill/Driver
  - Side handle
  - Belt clip
- 5-Year warranty



Part #	Mfg #	Description	Price
179573	2704-20	Bare Tool	

#### M18 FUEL™ 3/8" Impac Wrench Kit with Friction Ring

- 200 ft-lbs and 2,400 in-lbs of torque in a compact design
- POWERSTATE™ brushless motor
- REDLINK PLUS™
- REDLITHIUM™ battery pack
- Utilizes a friction ring design for fast, easy socket changes
- Includes:
  - (1) M18 FUEL™ 3/8" Impact wrench with friction ring (2654-20)
  - (2) M18™ REDLITHIUM™ XC 4.0 Extended capacity battery pack (48-11-1840)
  - (1) M18 & M12™ multi-voltage charger (48-59-1812)
  - (1) Belt clip
  - (1) Carrying case



Part #	Mfg #	Description	Price
158102	2654-22	Kit	



## Power Tools

### M18 FUEL™ 1/2" Impact Wrench Kit with Pin Detent

- 210 ft-lbs and 2,520 in-lbs of torque in a compact design
- POWERSTATE™ Brushless Motor
- REDLITHIUM™ XC 4.0 Battery REDLINK PLUS™
- Utilizes a pin detent design for maximum socket retention
- Includes:
  - (1) M18 FUEL™ 1/2" Impact wrench with pin detent (bare tool) (2655-20)
  - (2) M18™ REDLITHIUM™ XC 4.0 extended capacity battery pack (48-11-1840)
  - (1) M18™ & M12™ multi-voltage charger (48-59-1812)
  - (1) Belt clip
  - (1) Carrying case



Part #	Mfg #	Description	Price
158103	2655-22	Kit	

### M18 FUEL™ Mud Mixer with 180° Handle Kit

- Includes:
  - LED light
  - Church key
  - Contractor's bag
  - M18 REDLITHIUM™ XC5.0
  - M18™ & M12™ Multi-voltage charger
- Up to 15 buckets per charge
- 16 Adjustable handle settings



Part #	Mfg #	Voltage	Price
239069	2810-20	Bare Tool	
239068	2810-22	Kit	

### M18™ Cordless Saws

#### M18™ Sawzall® Reciprocating Saw Kit

- Gear-protecting clutch
- Lever action Quik-Lok™ blade clamp
- Battery fuel gauge displays remaining run-time
- Variable speed trigger
- Kit Includes:
  - (1) Sawzall® Reciprocating saw (2621-20)
  - (2) M18™ REDLITHIUM™ XC Battery (48-11-1828)
  - (1) Multi-Voltage Charger (48-59-1812)
  - (1) Blade
  - (1) Carrying Case



Part #	Mfg #	Description	Price
173952	2621-20	Bare Tool	
173953	2621-21	Kit	
173954	2621-22	Kit	

### M18™ HACKZALL® Cordless One-Handed Reciprocating Saw

- Speed: 0 to 3,000 spm
- Stroke length: 3/4"
- Blade clamp: QUIK-LOK™ universal
- Kit includes:
  - M18™ HACKZALL® Reciprocating saw (2625-20)
  - M18™ REDLITHIUM™ XC High capacity battery
  - 10-Hour charger
  - SAWZALL® Blade
  - Contractor bag



Part #	Mfg #	Description	Price
144657	2625-20	Bare Tool	
138662	2625-21	Kit	

#### M18™ HACKZALL® Recip Saw Kit

- One-handed design provides superior control & versatility
- Compact size allows for cutting in tight spaces, and light weight makes overhead work easier
- Built-in LED light
- Includes:
  - (1) M18™ HACKZALL® Recip Saw (2625-20)
  - (1) M18™ Compact REDLITHIUM Battery (48-11-1815)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Contractor Bag



Part #	Mfg #	Description	Price
150993	2625-21CT	Kit	

## Power Tools

### M18™ Cordless Band Saw

- 3-1/4" Cut capacity
- Tool-free adjustable material shoe
- LED Work light
- Blade ejection system
- Drop resistant pulley guard
- Cast aluminum gear case
- Kit includes:
  - M18™ Band saw
  - (2) M18™ REDLITHIUM™ XC High capacity batteries
  - 1-Hour charger
  - Blade
  - Case
- 5-Year warranty



Part #	Mfg #	Description	Price
139287	2629-20	Bare Tool	
143146	2629-22	Kit	

### M18 FUEL™ 6-1/2" Circular Saw

- POWERSTATE™ Brushless motor
- REDLINK PLUS™ Intelligence
- REDLITHIUM™ XC 4.0 Battery
- Kit Includes:
  - (1) M18 FUEL™ 6-1/2" Circular saw (bare tool) (2730-20)
  - (1) M18™ REDLITHIUM™ XC Extended capacity battery pack
  - (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
  - (1) Blade
  - (1) Blade wrench
  - (1) Contractor bag



Part #	Mfg #	Description	Price
162303	2730-20	Bare Tool	
166409	2730-21	Kit	
161702	2730-22	Kit	

### M18™ Cordless 6-1/2" Circular Saw

- Speed: 3,500 rpm
- Capacity: 2-1/8" @90° and 1-9/16" @45°
- Arbor: 5/8"
- Blade: 6-1/2" 24T carbide tipped
- Kit includes:
  - M18™ Circular saw (2630-20)
  - (2) M18™ REDLITHIUM™ XC High capacity batteries
  - 1-Hour charger
  - Contractor bag



Part #	Mfg #	Description	Price
143400	2630-20	Bare Tool	
138753	2630-22	Kit	

### M18 FUEL™ 7-1/4" Circular Saw

- POWERSTATE™ Brushless motor
- REDLINK PLUS™ Intelligence
- REDLITHIUM™ XC 4.0 Battery
- Kit Includes:
  - (1) M18 FUEL™ 7-1/4" Circular Saw (Bare Tool) (2731-20)
  - (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Blade
  - (1) Blade Wrench
  - (1) Contractor Bag



Part #	Mfg #	Description	Price
174393	2731-20	Bare Tool	
172223	2731-21	Kit	
172201	2731-22	Kit	

### M18™ Cordless Jig Saw

- Speed: 0 to 2,700 SPM
- Stroke length: 1"
- Bevel capacity: 45°
- Kit includes:
  - M18™ Jig saw (2645-20)
  - (2) M18™ REDLITHIUM™ XC High capacity batteries
  - 1-Hour charger
  - Jig saw blade
  - Non-marring shoe
  - Carrying case



Part #	Mfg #	Description	Price
138656	2645-22	Kit	

## Power Tools

### M18 FUEL™ Metal Cutting Circular Saw

- POWERSTATE™ Brushless motor
- REDLITHIUM™ battery
- REDLINK PLUS™ intelligence



Part #	Mfg #	Description	Price
233188	2782-20	Bare Tool	

### M18™ Cordless 5-3/8" Metal Saw

- 4-Pole frameless motor
- Speed: 3,600 rpm
- Cut capacity: 1/8" to 2"
- Blade: 5-3/8" 30T carbide-tipped
- Includes:
  - M18™ 5-3/8" Metal saw
  - (2) M18™ REDLITHIUM™ XC High capacity batteries
  - 1-Hour charger
  - 30T Metal Tech™ carbide-tipped blade
  - Blade wrench
  - Contractor bag



Part #	Mfg #	Description	Price
141828	2682-22	Kit	

### M18™ FUEL™ Cordless Saws

#### M18 FUEL™ Hackzall Reciprocating Saw

- One-handed design
- 7/8" Stroke length
- Pivoting shoe
- POWERSTATE™
- REDLINK PLUS™
- REDLITHIUM™
- Includes SAWZALL® blade
- Kit includes:
  - Contractor's bag
  - SAWZALL® blade
  - M18 XC5.0 Battery pack
  - M18 FUEL Hackzall (2719-20)
  - M18/M12 Multi-voltage charger



Part #	Mfg #	Description	Price
239589	2719-20	Bare Tool	
239591	2719-21	Kit	

### M18 FUEL™ Sawzall® Reciprocating Saw Kit

- Delivers faster than corded cutting speed and the durability of a corded saw
- POWERSTATE™ Brushless motor
- REDLINK PLUS™ Intelligence
- REDLITHIUM™ XC 4.0 Battery
- 2720-22, 2720-21 Kit Includes:
  - (1) M18 FUEL™ SAWZALL® reciprocating saw (2720-20)
  - (1) M18™ REDLITHIUM™ extended capacity battery pack
  - (1) M18™ & M12™ Multi-voltage charger
  - (1) Blade
  - (1) Carrying case



Part #	Mfg #	Description	Price
161655	2720-20	Bare Tool	
161658	2720-21	Kit	
161581	2720-22	Kit	
235946	2720-22HD	Kit, High Demand	

### M18 FUEL™ Deep Cut Band Saw

- POWERSTATE™ brushless motor
- REDLITHIUM™
- REDLINK PLUS™
- Kit Includes:
  - (1) Deep Cut Band Saw (Bare Tool) (2729-20)
  - (1) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Blade
  - (1) Carrying Case



Part #	Mfg #	Description	Price
167156	2729-20	Bare Tool	
167158	2729-21	Kit	
167159	2729-22	Kit	



## Power Tools

### M18 FUEL™ High Demand Deep Cut Band Saw

- POWERSTATE™ brushless motor
- REDLITHIUM™
- REDLINK PLUS™
- Kit Includes:
  - (1) M18 FUEL™ Deep Cut Band Saw (Bare Tool) (2729-20)
  - (1) M18™ & M12™ Rapid Charger (48-59-1808)
  - (2) M18™ REDLITHIUM™ HIGH DEMAND™ 9.0 Battery Pack (48-11-1890)
  - (1) Blade
  - (1) Carrying Case



Part #	Mfg #	Description	Price
230566	2729-22HD	Kit	

### M18 FUEL™ Sliding Compound Miter Saw

- REDLINK PLUS™
- POWERSTATE™ brushless motor
- REDLITHIUM™ battery pack
- Up to 400 cuts per charge
- Shadow cut line indicator
- Top & side carrying handles
- Tall sliding/removable fences
- Cam locking miter system with adjustable miter detent plate and 11 detent locations
- Dual bevel with 9 detents & easy access bevel level
- Kit includes:
  - (1) M18 FUEL™ Dual Bevel Sliding Compound Miter Saw (2734-20)
  - (1) M18™ REDLITHIUM™ HIGH DEMAND™ 9.0 Battery Pack (48-11-1890)
  - (1) M18™ & M12™ Rapid Charger (48-59-1808)
  - (1) Blade Wrench
  - (1) Carbide Tipped Blade
  - (1) Clamp
  - (1) Dust Bag



Part #	Mfg #	Description	Price
239066	2734-20	Bare Tool	
225667	2734-21HD	Kit	

### M18™ Knockout Tools

#### M18™ FORCELOGIC™ 6T Knockout Tool

- Includes:
  - 7/16" Draw stud
  - 3/4" Draw stud
  - 1-1/8" Draw stud
  - EXACT™ 2-1/2" die
  - EXACT™ 2-1/2" punch
  - EXACT™ 3" die
  - EXACT™ 3" punch
  - EXACT™ 3-1/2" die
  - EXACT™ 3-1/2" punch
  - EXACT™ 4" die
  - EXACT™ 4" punch
  - M18™ REDLITHIUM™ battery
  - M18™ & M12™ Multi-voltage charger
  - EXACT™ rapid reset 3/4" draw stud set
  - EXACT™ 1/2"-2" conduit punches and dies
  - Quick-connect alignment system
  - Carrying case



Part #	Mfg #	Description	Price
239293	2677-23	Kit	

#### FORCELOGIC™ M18™ 10 Ton Knockout Tool Kit

- Includes:
  - (2) M18™ REDLITHIUM™ XC Extended Capacity Battery (48-11-1828)
  - (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
  - (1) Exact™ 1/2" Stainless steel die (49-16-2660S)
  - (1) Exact™ 1/2" Stainless steel punch (49-16-2661S)
  - (1) Exact™ 3/4" Die (49-16-2662)
  - (1) Exact™ 3/4" Punch (49-16-2663)
  - (1) Exact™ 1" Die (49-16-2664)
  - (1) Exact™ 1" Punch (49-16-2665)
  - (1) Exact™ 1-1/4" Die (49-16-2666)
  - (1) Exact™ 1-1/4" Punch (49-16-2667)
  - (1) Exact™ 1-1/2" Die (49-16-2668)
  - (1) Exact™ 1-1/2" Punch (49-16-2669)
  - (1) Exact™ 2" Die (49-16-2670)
  - (1) Exact™ 2" Punch (49-16-2671)
  - (1) 7/16" Draw Stud (49-16-2680)
  - (1) 3/4" Draw Stud (49-16-2681)
  - (1) Ball Stud
  - (1) Coupler
  - (1) Quick connect collar
  - (1) Carrying case



Part #	Mfg #	Description	Price
167335	2676-22	Kit	

## Power Tools

### FORCELOGIC™ M18™ 10 Ton Knockout Tool

• Includes:

- (1) 1-1/8" Draw Stud
- (2) M18™ REDLITHIUM™ XC extended capacity battery (48-11-1828)
- (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
- (1) EXACT™ 1/2" Stainless steel die (49-16-2660S)
- (1) EXACT™ 1/2" Stainless steel punch (49-16-2661S)
- (1) EXACT™ 3/4" Die (49-16-2662)
- (1) EXACT™ 3/4" Punch (49-16-2663)
- (1) EXACT™ 1" Die (49-16-2664)
- (1) EXACT™ 1" Punch (49-16-2665)
- (1) EXACT™ 1-1/4" Die (49-16-2666)
- (1) EXACT™ 1-1/4" Punch (49-16-2667)
- (1) EXACT™ 1-1/2" Die (49-16-2668)
- (1) EXACT™ 2" Die (49-16-2670)
- (1) EXACT™ 2" Punch (49-16-2672)
- (1) EXACT™ 2-1/2" Die (49-16-2672)
- (1) EXACT™ 2-1/2" Punch (49-16-2673)
- (1) EXACT™ 3" Die (49-16-2674)
- (1) EXACT™ 3" Punch (49-16-2675)
- (1) EXACT™ 3-1/2" Die (49-16-2676)
- (1) EXACT™ 3-1/2" Punch (49-16-2677)
- (1) EXACT™ 4" Die (49-16-2678)
- (1) EXACT™ 4" Punch (49-16-2679)
- (1) 7/16" Draw stud (49-16-2680)
- (1) 3/4" Draw stud (49-16-2681)
- (1) Ball stud
- (1) Coupler
- (1) Quick connect collar
- (2) Carrying case



Part #	Mfg #	Description	Price
167336	2676-23	Kit	

### M18™ Miscellaneous Tools

#### M18 FUEL™ Drywall Screw Gun Kit

- Kit includes:
- (1) M18 FUEL™ Drywall Screw Gun (2866-20)
- (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Belt Clip
- (1) PR2 Bit
- (1) Contractor Bag



Part #	Mfg #	Description	Price
227453	2866-20	Bare Tool	
231942	2866-22	Kit	

### M18 FUEL™ 7" Variable Speed Polisher



Part #	Mfg #	Description	Price
224296	2738-20	Bare Tool	

### M18 FUEL™ 18ga Brad Nailer

- POWERSTATE™ Brushless motor
- REDLINK PLUS™ intelligence
- Zero ramp-up time
- No gas cartridges



Part #	Mfg #	Description	Price
223482	2740-20	Bare Tool	

### M18™ Transfer Pump

- Self-priming pump
- Flexible impeller moves water up to 480 gph
- Generates up to 18' of lift and produces up to 75' of head height
- REDLINK™ intelligence
- Kit Includes:
  - (1) M18™ Transfer Pump (2771-20)
  - (1) M18™ REDLITHIUM™ XC Extended Capacity Battery (48-11-1828)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)



Part #	Mfg #	Description	Price
226698	2771-20	Bare Tool	
226699	2771-21	Kit	

### M18™ Cordless Multi Tool

- Kit Includes:
  - (1) M18™ Cordless Multi-Tool (Bare Tool) (2626-20)
  - (2) M18™ REDLITHIUM™ XC Extended Capacity Battery (48-11-1828)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Adapter
  - (5) Assorted Sanding Sheets
  - (1) Contractor Bag
  - (1) Sanding Pad
  - (1) Wood Cutting Blade



Part #	Mfg #	Description	Price
166675	2626-20	Bare Tool	
166678	2626-22	Kit	

## Power Tools

### M18™ Force Logic™ 12 Ton Crimper

- (1) Carbineer
- (1) Overhead utility bag
- (1) M18 Lithium-Ion AC/DC charger
- (1) M18 REDLITHIUM™ XC5.0 extended capacity battery pack
- (1) M18 REDLITHIUM™ 2.0 compact battery pack
- 350° Head rotation
- Pre-Crimp battery check
- Ergonomic grip design
- ONE-KEY™ technology
- POWERSTATE® brushless motor
- Predictive force monitoring (PFM™)
- REDLINK PLUS™ electronic intelligence



Part #	Mfg #	Description	Price
237770	2778-22	Kit	

### M18™ Force Logic™ 750 MCM Crimper

- (1) Carrying case
- (1) M18 & M12 multi-voltage charger
- (1) M18 REDLITHIUM™ XC5.0 extended capacity battery pack
- (1) M18 REDLITHIUM™ 2.0 compact battery pack
- 350° Head rotation
- Pre-Crimp battery check
- Ergonomic grip design
- ONE-KEY™ technology
- POWERSTATE® brushless motor
- Predictive force monitoring (PFM™)
- REDLINK PLUS™ electronic intelligence



Part #	Mfg #	Description	Price
237771	2779-22	Kit	

### M18 FUEL™ 4-1/2" / 5" Grinder, Slide Switch Lock-On

- Kit includes:
  - (1) M18 FUEL™ 4-1/2" / 5" Grinder, Slide Switch Lock-On (Bare Tool) (2781-20)
  - (1) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Carrying Case
  - (1) Flange Nuts
  - (1) Wheel Guard
  - (1) Spanner Wrench



Part #	Mfg #	Description	Price
166871	2781-20	Bare Tool	

### M18™ Miscellaneous Tools (Continued)

#### M18 FUEL™ 4-1/2" / 5" Grinder, Slide Switch Lock-On

Part #	Mfg #	Description	Price
166872	2781-21	Kit	

#### M18 FUEL™ 4-1/2"/5" Grinder, Paddle Switch No-Lock Kit

- POWERSTATE™ Brushless motor
- REDLINK PLUS™ Intelligence
- REDLITHIUM™ XC 4.0 Battery
- Power TO GRIND
- DURABILITY
- 100% tool free productivity
- Paddle-switch design: provides increased comfort and ease-of-use when operating in various positions
- Kit Includes:
  - (1) M18 FUEL™ 4-1/2"/5" Grinder, paddle switch no-lock (bare tool) (2780-20)
  - (2) M18™ REDLITHIUM™ XC Extended capacity battery pack
  - (1) M18™ & M12™ Multi-voltage charger
  - (1) Carrying case
  - (1) Flange nut
  - (1) Spanner wrench
  - (1) Wheel guard



Part #	Mfg #	Description	Price
162116	2780-20	Bare Tool	
171444	2780-21	Kit	
164099	2780-22	Kit	
236384	2780-22HD	Kit, High Demand	

#### M18™ FUEL™ 4-1/2" / 5" Braking Grinder

- Kit Includes:
  - (1) M18™ FUEL™ 4-1/2" / 5" Braking Grinder (Bare Tool) (2783-20)
  - (1) Flange Nut
  - (1) FIXTEC Nut
  - (1) T1 Guard
  - (1) T27 Guard



Part #	Mfg #	Description	Price
180423	2783-20	Bare Tool	



## Power Tools

### M18 FUEL™ 1/4" Die Grinder

- **Kit Includes:**
- (1) M18 FUEL™ 1/4" Die Grinder (2784-20)
- (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) 1/4" Collet
- (2) Wrench



Part #	Mfg #	Description	Price
235256	2784-20	Bare Tool	
231944	2784-22	Kit	

### M18™ Cordless 4-1/2" Cut-Off / Grinder



Part #	Mfg #	Description	Price
141679	2680-20	Bare Tool	

### M18™ Cut Out Tool



Part #	Mfg #	Description	Price
232311	2627-20	Bare Tool	

### M18 FUEL™ Drain Snake with Cable-Drive Kit

- LED light
- Fully enclosed drum
- REDLINK PLUS™
- POWERSTATE™ brushless motor
- CABLE-DRIVE™ locking feed system
- Capacity: 1/4" x 50', 5/16" x 35' inner core cable
- Includes:
  - Storage bucket
  - M18 REDLITHIUM™ battery
  - M18 & M12™ multi-voltage charger



Part #	Mfg #	Description	Price
238924	2772A-21	18V	

### M18™ Job Site Fan

- Circulates air over 40 feet
- 120° adjustable head
- 9 stopping positions,
- AC adaptor included
- Four keyhole hangers and two hanging holes
- Compatible with all M18™ REDLITHIUM™ batteries —17 Hours runtime on XC5.0 battery



Part #	Mfg #	Description	Price
176814	0886-20	M18™ Job Site Fan	

### M18™ Compact Blower

- Extension nozzle
- Lock-on switch
- Universal inflator/deflator
- 3-Speed electronic switch and variable speed trigger
- Shock-absorbing polymer and reinforced handle
- Soft plastic nozzle to resist crushing or cracking



Part #	Mfg #	Description	Price
163737	0884-20	(Bare Tool)	

### M18 FUEL™ Blower Kit

- Cruise control
- 100 MPH maximum air speed
- POWERSTATE™ brushless motor
- Kit Includes:
  - M18 FUEL™ Blower (Tool Only) (2728-20)
  - (1) M18™ REDLITHIUM™ HIGH DEMAND™ 9.0 Battery Pack (48-11-1890)
  - (1) M18™ & M12™ Rapid Charger (48-59-1808)



Part #	Mfg #	Description	Price
229242	2728-20	Bare Tool	

### M18 FUEL™ Blower Kit

- Power to clear from 15'
- Full throttle in under 1 second
- up to 4lbs lighter
- POWERSTATE™ brushless motor
- REDLINK PLUS™ intelligence
- REDLITHIUM™ HIGH DEMAND™ 9.0 battery (Kit Only)
- Max air volume: 450 CFM
- Max air speed: 120 MPH



Part #	Mfg #	Description	Price
244533	2724-20	Bare Tool	

## Power Tools

### M18 FUEL™ String Trimmer

- Kit includes:  
M18 FUEL™ String Trimmer (Tool Only) (2725-20)
- (1) M18™ REDLITHIUM™ 9.0 Battery (48-11-1890)
- (1) M18™ & M12™ Rapid Charger (48-59-1808)



Part #	Mfg #	Description	Price
229238	2725-20	Bare Tool	
229237	2725-21HD	Kit	

#### Accessories

Part #	Mfg #	Description	Price
229245	49-16-2710	Trimmer Head	
244532	49-16-2714	Easy Load Trimmer Head	
229246	49-16-2711	Loaded Trimmer Head Spool	

### M18 FUEL™ Hedge Trimmer

- POWERSTATE™ brushless motor
- REDLINK PLUS™
- Slider crank mechanism
- 24" Blade with tip guard
- Kit Includes:  
(1) M18 FUEL™ Hedge Trimmer (Tool Only) (2726-20)  
(1) M18™ REDLITHIUM™ HIGH DEMAND™ 9.0 Battery Pack (48-11-1890)  
(1) M18™ & M12™ Rapid Charger (48-59-1808)



Part #	Mfg #	Description	Price
229240	2726-20	Bare Tool	
229239	2726-21HD	Kit	

### M18™ Tool Box Style Wet/Dry Vacuum

- On-board accessory and hose storage
- HEPA Rated high efficiency filter
- Includes:
  - Wet/dry vacuum
  - Filter assembly
  - Crevice tool
  - Wide utility nozzle
  - Wireless vinyl hose
- Battery and charger not included



Part #	Mfg #	Description	Price
136036	0880-20	2 gal, 18V	

### 18" Hose Adapter



Part #	Mfg #	Description	Price
139837	14-37-0160	1 Pack	

### M18™ Compact Vacuum

- High performance motor
- Adapts from handheld to stationary
- 40 CFM
- Removable HEPA filter
- Clear view and easy to empty canister
- Canister volume: 36oz
- Inlet diameter: 1 1/4"
- Includes:
  - (1) M18™ Compact vacuum (0882-20)
  - (1) Crevice tool
  - (2) Extension
  - (1) HEPA filter



Part #	Mfg #	Description	Price
228972	0882-20	M18™ Compact Vacuum	

### M18™ Cordless 2-Speed Grease Gun Kit

- 0,000 PSI max operating pressure
- max flow of up to 10oz / minute
- Pre-set grease counter dial
- 48" flexible hose
- Air bleeder valve for quick priming
- M18™ REDLITHIUM™ System
- Lock-on/ Lock-off trigger
- Includes:
  - (1) M18™ Cordless 2-speed grease gun (2646-20)
  - (1) 48" Flex hose w/spring guard
  - (2) M18™ Compact REDLITHIUM™ battery (48-11-1815)
  - (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
  - (1) High pressure grease coupler
  - (1) Hard carrying case
  - (1) Shoulder strap



Part #	Mfg #	Description	Price
160459	2646-20	Bare Tool	
160923	2646-22CT	Kit	
181713	2646-21CT	Kit	

## Power Tools

### M18™ Cordless 18g Double Cut Shear

- 360° Tool-free rotating head
- Ergonomic body design
- Variable speed trigger



- Kit Includes:
  - (1) M18™ Cordless 18 Gauge Double Cut Shear (Bare Tool) (2635-20)
  - (2) M18™ REDLITHIUM™ XC Extended Capacity Battery (48-11-1828)
  - (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
  - (1) Contractor Bag

Part #	Mfg #	Description	Price
180620	2635-20	Bare Tool	
171803	2635-22	Kit	

### M18™ 18g Single Cut Shear

- 360° Tool-Free Rotating Head
- Ergonomic Body Design
- Variable Speed Trigger
- Belt Clip



Part #	Mfg #	Description	Price
228271	2637-20	Bare Tool	

### M18™ Cordless 14g Double Cut Shear

- 360° Tool-free rotating head
- Ergonomic body design
- Variable speed trigger



- Kit Includes:
  - M18™ 14G Double Cut Shear (2636-20)
  - M18™&M12™ Multi-Voltage Charger (48-59-1812)
  - M18™ REDLITHIUM™ XC Extended Capacity Battery
  - Contractor Bag

Part #	Mfg #	Description	Price
243336	2636-22	Kit	

### M18 FUEL™ SWITCH PACK™ Sectional Drum System Kit

- Fully enclosed drum
- Spin speed: 250 RPM
- Accepts other brand cables
- Includes:
  - Integrated drum brake
  - Built-in backpack straps
  - SWITCH PACK™ powered base
  - SWITCH PACK™ drum w/ anchor cable
  - 3/8" x 50' Inner core coupling cable
  - 5-Piece medium drain line kit
  - M18™ REDLITHIUM™ XC5.0 battery
  - M18™ & M12™ multi-voltage charger
  - REDLINK PLUS
  - POWERSTATE™ brushless motor
  - Electronic foot pedal with non-slip grip



Part #	Mfg #	Voltage	Price
238925	2775B-211	18V	

### SWITCH PACK™ Drum with Anchor Cable

- Tool-free drum latch
- Full enclosed drum
- Accepts other brand cables
- 1/2" x 50' Inner core cables
- 5/8" x 50' Open wind cable
- Drum capacity: 5/16" x 75' & 3/8" x 50'
- On-board storage for cable head attachments
- Part of the SWITCHPACK™ sectional drum system



Part #	Mfg #	Description	Price
238935	47-53-2775	Drum with Anchor Cable	

### M18™ Tool Combo Kits

#### M18™ FUEL 2-Tool Combo Kit

- (1) M18 FUEL™ 1/2" Hammer Drill/Driver (2704-20)
- (1) M18 FUEL™ 1/4" Hex Impact Driver (2753-20)
- (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (2) Belt Clip
- (2) Bit Holder
- (1) Side Handle
- (1) Carrying Case



Part #	Mfg #	Description	Price
179577	2897-22	2-Tool Combo Kit	

## Power Tools

### M18™ FUEL™ 2-Tool Combination Kit

- Kit Includes:
- (1) M18 FUEL™ 1/2" Hammer Drill/Driver (2704-20)
- (1) M18 FUEL™ SURGE™ 1/4" Hex Hydraulic Driver (2760-20)
- (2) M18™ REDLITHIUM™ XC5.0 Battery Pack (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (2) Belt Clip
- (2) Bit Holder
- (1) Carrying Case



Part #	Mfg #	Description	Price
231124	2899-22	Kit	

### M18™ FUEL 2-Tool Combo Kit with ONE-KEY™

- M18 FUEL™ 1/2" hammer drill/driver (2706-20)
- M18 FUEL™ 1/4" hex impact driver (2757-20)
- M18™ REDLITHIUM™ (48-11-1850)
- M18™ & M12™ multi-voltage charger (48-59-1812)
- (2) Belt Clip
- (2) Bit Holder
- (1) Side Handle
- (1) Carrying Case



Part #	Mfg #	Description	Price
187613	2796-22	2-Tool Combo Kit	

### M18 FUEL™ 2 Tool Combo Kit

- Includes:
- (1) M18 FUEL™ 1/2" Hammer drill/driver (bare tool) (2604-20)
- (1) M18 FUEL™ SAWZALL® reciprocating saw (bare tool) (2720-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended capacity battery pack (48-11-1840)
- (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
- (1) Contractor bag
- (1) 6" 10 TPI thin kerf SAWZALL® blade



Part #	Mfg #	Description	Price
166501	2794-22	2-Tool Combo Kit	

### M18™ Cordless 2-Tool Combo Kit with DPM™

- Digital power management protection prevents damage to the tool and battery in abusive situations
- Includes:
- 1/2" Hammer-Drill drive r(2602-20)
- 1/4" Hex impact driver (2650-20)
- (2) REDLITHIUM™ batteries
- 1-Hour charger
- Contractor bag
- 5-Year warranty



Part #	Mfg #	Description	Price
139154	2697-22	2-Tool Combo Kit	

### M18 FUEL™ 2-Tool Combo Kit

- (1) M18 FUEL™ 1/2" Hammer Drill/Driver (2704-20)
- (1) M18 FUEL™ SAWZALL® Saw (2720-20)
- (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (1) Belt Clip
- (1) Bit Holder
- (1) Contractor Bag
- (1) SAWZALL® Blade
- (1) Side Handle



Part #	Mfg #	Description	Price
179583	2894-22	2-Tool Combo Kit	

### M18™ Cordless LITHIUM-ION 2-Tool Combo Kit

- Includes:
- (1) M18™ Compact 1/2" drill driver (bare tool) (2606-20)
- (1) M18™ 1/4" Hex impact driver (bare tool) (2656-20)
- (2) M18™ Compact REDLITHIUM™ battery (48-11-1815)
- (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
- (1) Contractor bag



Part #	Mfg #	Description	Price
153676	2691-22	2-Tool Combo Kit	



## Power Tools

### M18™ Cordless LITHIUM-ION 2-Tool Combo Kit

**Includes:**

- (1) M18™ Compact 1/2" Hammer drill/driver (bare tool) (2607-20)
- (1) M18™ SAWZALL® Recip saw (bare tool) (2620-20)
- (1) M18™ REDLITHIUM™ XC Extended capacity battery (48-11-1828)
- (1) M18™ & M12™ Multi-Voltage charger (48-59-1812)
- (1) Contractor bag



Part #	Mfg #	Description	Price
155644	2694-22	2-Tool Combo Kit	

### M18™ Cordless 4-Tool Combo Kit (1)

**Includes:**

- 1/2" Hammer drill driver (2602-20)
- Sawzall® reciprocating saw (2620-20)
- 6-1/2" Circular saw (2630-20)
- Work light (49-24-0171)
- (2) REDLITHIUM™ XC High capacity batteries
- 1-Hour charger
- (1) Sawzall® blade
- Contractor bag



Part #	Mfg #	Description	Price
137564	2694-24	4-Tool Combo Kit	

### M18™ Cordless 4-Tool Combo Kit (2)

**Includes:**

- M18™ 1/2" Hammer drill driver (2602-20)
- M18™ HACKZALL® Reciprocating saw (2625-20)
- M18™ 1/4" Hex Impact driver (2650-20)
- M18™ Work light (49-24-0171)
- (2) M18™ REDLITHIUM™ XC High capacity batteries (48-11-1828)
- 1-Hour charger (48-59-1801)
- General purpose Sawzall® blade
- Contractor bag



Part #	Mfg #	Description	Price
138971	2695-24	4-Tool Combo Kit	

### M18™ Cordless 4-Tool Combo Kit (3)

**Includes:**

- 1/2" Hammer drill driver (2602-20)
- 1/4" Hex impact driver (2650-20)
- Sawzall® M18™ reciprocating saw (2620-20)
- Work light (49-24-0171)
- (2) REDLITHIUM™ XC High capacity batteries
- 1-Hour charger
- General purpose Sawzall® blade
- Contractor bag



Part #	Mfg #	Description	Price
138527	2696-24	4-Tool Combo Kit	

### M18 FUEL™ LITHIUM-ION 4-Tool Combo Kit

**Includes:**

- (1) M18 FUEL™ 1/2" Hammer Drill/Driver (bare tool) (2604-20)
- (1) M18 FUEL™ 1/4" Hex impact driver (bare tool) (2653-20)
- (1) M18 FUEL™ SAWZALL® Reciprocating saw (bare tool) (2720-20)
- (1) M18™ LED Work light (2735-20)
- (1) M18™ REDLITHIUM™ XC 4.0 Extended capacity battery pack (48-11-1840)
- (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
- (1) Belt clip
- (1) Contractor bag
- (1) Reciprocating blade



Part #	Mfg #	Description	Price
164933	2796-24	4-Tool Combo Kit	

### M18™ FUEL™ 4-Tool Combo Kit

**Includes:**

- (1) M18 FUEL™ 1/2" Hammer Drill/Driver (Tool Only) (2704-20)
- (1) M18 FUEL™ SAWZALL® Reciprocating Saw (Bare Tool) (2720-20)
- (1) M18™ LED Work Light (2735-20)
- (1) M18 FUEL™ 1/4" Hex Impact Driver (Bare Tool) (2753-20)
- (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (2) Belt Clip
- (2) Bit Holder
- (1) Contractor Bag
- (1) SAWZALL® Blade
- (1) Side Handle



Part #	Mfg #	Description	Price
179584	2896-24	4-Tool Combo Kit	

## Power Tools

### M18 FUEL™ LITHIUM-ION 6-Tool Combo Kit

- Includes:
- (1) M18 FUEL™ 1/2" Hammer Drill/Driver (bare tool) (2604-20)
- (1) M18 FUEL™ 1/4" Hex impact driver (bare tool) (2653-20)
- (1) M18 FUEL™ SAWZALL® Reciprocating saw (bare tool) (2720-20)
- (1) M18 FUEL™ 6-1/2" Circular saw (bare tool) (2730-20)
- (1) M18™ LED work light (2735-20)
- (1) M18 FUEL™ 4-1/2"/5" Grinder, paddle switch no-lock (bare tool) (2780-20)
- (2) M18™ REDLITHIUM™ XC 4.0 Extended capacity battery pack (48-11-1840)
- (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
- (1) Belt clip
- (1) Circular saw blade
- (2) Contractor bag
- (1) Reciprocating blade
- (1) Spanner wrench



Part #	Mfg #	Description	Price
164934	2796-26	6-Tool Combo Kit	

### M18 FUEL™ 6-Tool Combo Kit

- Kit Includes:
- (1) M18 FUEL™ 1/2" Hammer Drill/Driver (2704-20)
- (1) M18 FUEL™ SAWZALL® Reciprocating Saw (2720-20)
- (1) M18 FUEL™ 6-1/2" Circular Saw (2730-20)
- (1) M18™ LED Work Light (2735-20)
- (1) M18 FUEL™ 1/4" Hex Impact Driver (2753-20)
- (1) M18 FUEL™ 4-1/2" / 5" Grinder, Paddle Switch No-Lock (2780-20)
- (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (48-11-1850)
- (1) M18™ & M12™ Multi-Voltage Charger (48-59-1812)
- (2) Belt Clip
- (2) Bit Holder
- (1) Circular Saw Blade
- (2) Contractor Bag
- (1) SAWZALL® Blade
- (1) Side Handle
- (1) Spanner Wrench



Part #	Mfg #	Description	Price
179585	2896-26	6-Tool Combo Kit	

### M18™ Cordless 6-Tool Combo Kit

- (1) Compact 1/2" Hammer Drill/Driver (2607-20)
- (1) SAWZALL® Reciprocating Saw (2621-20)
- (1) 6 1/2" Circular Saw (2630-20)
- (1) 1/4" Hex Impact Driver (2656-20)
- (1) Cordless 4-1/2" Cut-off / Grinder (2680-20)
- (1) LED Work Light (2735-20)
- (2) REDLITHIUM™ XC Extended Capacity Battery (48-11-1828)
- (1) Multi-Voltage Charger (48-59-1812)
- (1) Contractor Bag



Part #	Mfg #	Description	Price
148165	2696-26	6-Tool Combo Kit	

### M18™ Cordless LITHIUM-ION 9-Tool Combo Kit

- Includes:
- (1) M18™ Cordless 1/2" hammer drill/driver (2602-20)
- (1) M18™ Cordless right angle drill (2615-20)
- (1) M18™ SAWZALL® Recip saw (2620-20)
- (1) M18™ Cordless LITHIUM-ION 6-1/2" circular saw (2630-20)
- (1) M18™ Cordless LITHIUM-ION jig saw (2645-20)
- (1) M18™ 1/4" Hex compact impact driver (2650-20)
- (1) M18™ 1/2" High-torque impact wrench with friction ring (2663-20)
- (1) M18™ Cordless LITHIUM-ION 4-1/2" cut-off/grinder (2680-20)
- (2) M18™ REDLITHIUM™ XC Extended capacity battery (48-11-1828)
- (1) M18™ & M12™ Multi-voltage charger (48-59-1812)
- (1) M18™ Work light (49-24-0171)



Part #	Mfg #	Description	Price
156090	2696-29	9-Tool Combo Kit	

## Power Tool Accessories

### Cordless Batteries and Accessories

#### 12V Lithium-Ion Battery

- Over 65% lighter than "compact" NiCd batteries
- For use with Milwaukee® 12V cordless tools
- 2-Year warranty



Part #	Mfg #	Description	Price
137574	48-11-2401	Lithium-Ion	

#### M12™ REDLITHIUM™ Compact Battery

- 3.0 Amp hour
- REDLINK™ Intelligence
- Best-in-Class Construction
- Delivers fade-free power in extreme job site conditions
- Powers 70+ Milwaukee M12™ cordless solutions



Part#	Mfg#	Amp Hour	Pack	Price
231116	48-11-2460	6.0	Single	
231115	48-11-2430	3.0	Single	
165350	48-11-2420	1.5	Single	
154721	48-11-2411	1.5	2	

#### M12 REDLITHIUM™ XC Battery

- 3.0 Amp hour
- High current discharge
- Sturdy base- Allows M12™ tools to easily stand
- LITHIUM-ION battery delivers long life and run time with fade-free power
- Battery fuel gauge displays charge status on tools
- M12™ Compatibility



Part #	Mfg #	Description	Price
146046	48-11-2402	Single Pack	
171802	48-11-2412	2 Pack	

#### M12™ REDLITHIUM™ XC 4.0 Extended Capacity Batter Pack

- REDLINK™ Intelligence
- All-weather performance
- Powers most M12™ cordless power tools



Part #	Mfg #	Description	Price
166387	48-11-2440	Single Pack	

#### M18™ REDLITHIUM™ 2.0 Compact Battery Pack

- REDLINK™ Intelligence
- Best-in-class construction
- Fuel gauge onboard
- All-weather performance



Part #	Mfg #	Description	Price
154722	48-11-1820	Compact Battery Pack	

#### M18™ REDLITHIUM™ XC Extended Capacity Battery

- REDLINK™ Intelligence
- Fuel gauge onboard
- All-weather performance
- Powers more than 40 Milwaukee M18™ cordless power tools



Part #	Mfg #	Description	Price
136039	48-11-1828	Single Pack	

#### M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack

- REDLINK™ Intelligence
- Best-in-class construction
- Fuel gauge onboard
- All-weather performance
- Versatility: Powers more than 40 Milwaukee M18™ cordless power tools



Part #	Mfg #	Description	Price
158199	48-11-1840	Extended Capacity Battery Pack	

#### M18™ REDLITHIUM™ XC 5.0 Extended Capacity Battery Pack

- REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger
- Best-in-class construction
- Fuel gauge onboard
- All-weather performance
- Versatility- Powers more than 60 Milwaukee® M18™ cordless power tools



Part #	Mfg #	Description	Price
173430	48-11-1850	Extended Capacity Battery	
237660	48-11-1851	Pack of 10	
174426	48-11-1852	Pack of 2	

## Power Tool Accessories

### M18™ REDLITHIUM™ XC6.0 Battery Pack

- REDLINK™ Intelligence
- Fuel gauge onboard
- All-Weather Performance
- Powers more than 100 M18™ cordless power tools



Part #	Mfg #	Description	Price
225396	48-11-1860	Extended Capacity Battery	

### M18™ REDLITHIUM™ HIGH DEMAND™ 9.0 Battery Pack

- REDLINK™ Intelligence
- Best-in-Class Construction
- Fuel gauge onboard
- Delivers fade free power in extreme job site conditions
- Powers more than 100 Milwaukee® M18™ cordless power tools



Part #	Mfg #	Description	Price
224567	48-11-1890	Single Pack	

### M18 REDLITHIUM™ High Capacity Battery Two Pack

- 3.0 Amp hour
- LITHIUM-ION battery delivers long life and run time with fade-free
- Battery fuel gauge
- Overload protection
- Temperature management system
- Individual cell monitoring
- Discharge protection
- Best in class construction
- Integrated weld frame
- Cell separator
- Impact and vibration protective rubber



Part #	Mfg #	Description	Price
154296	48-11-1822	Two Pack	

### 18V Ni-Cd Battery

- Works with all 18V NiCd and V18 tools excluding:
  - 1108
  - 3108
  - 5364
  - 6516



Part #	Mfg #	Description	Price
139148	48-11-2230	Easy Release Latch	

### 28V Lithium-Ion Battery

- Overload protection
- Temperature management system
- Individual cell voltage monitoring
- Discharge protection
- Battery fuel gauge
- 3-Year warranty



Part #	Mfg #	Description	Price
142696	48-11-2830	Lithium-Ion Battery	

### M12™ Power Source

- 2.1 amp powered USB port charges all portable electronic devices, including tablets
- On-board fuel gauge
- Compatible with all M12™ battery packs
- Compatible with all M12™ heated gear



Part #	Mfg #	Description	Price
161648	49-24-2310	Power Source	

### M18™ Power Source

- Compatible with M18™ compact and XC™ batteries
- Powered USB port charges portable electronic devices
- Compatible with M12™ heated jackets with the expandable battery pocket



Part #	Mfg #	Description	Price
151840	49-24-2371	Power Source	



## Power Tool Accessories

### M18™ REDLITHIUM™ HIGH DEMAND™ 9.0 Starter Kit

- REDLINK™ Intelligence
- Best-in-Class Construction
- Fuel gauge onboard
- All-Weather Performance



Part #	Mfg #	Description	Price
234175	48-59-1890	18V Lithium-Ion	

### M12™ AC/DC Wall Vehicle Charger

- 2-In-1 Design
- Charge time: 40 minutes
- Lithium-Ion battery (not included)
- 5-Year warranty



Part #	Mfg #	Description	Price
138274	2510-20	M12™ AC/DC Wall & Vehicle Charger	

### M12™ Lithium-Ion Battery Charger

- 30-Minute charge time
- 5-Year warranty



Part #	Mfg #	Description	Price
137575	48-59-2401	12V Lithium-Ion Charger	

### M12™ Four Bay Sequential Charger

- Accepts up to 4 M12™ Battery Packs
- Sequentially charges batteries
- Compact design with wall mount
- REDLINK™ Intelligence: charger communication with the battery pack to ensure optimum performance and extend life



Part #	Mfg #	Description	Price
173929	48-59-1204	M12™ Four Bay Charger	

### M18™ Six Pack Sequential Charger

- Charges up to six batteries sequentially
- Convenient carrying handle
- Pass through plug
- Compact size



Part #	Mfg #	Description	Price
154534	48-59-1806	M18™ Six Pack Charger	

### M18™ and M12™ Rapid Battery Charger

- Charges batteries up to 40% faster
- Charges all M12™ and M18™ batteries
- Sequential charging: automatically charges the second inserted pack once the first pack is fully charged
- REDLINK™ Intelligence



Part #	Mfg #	Description	Price
180814	48-59-1808	M18™ and M12™ Charger	

### M18™ and M12™ Multi-Voltage Battery Charger

- 12V and 18V
- 5-Year warranty



Part #	Mfg #	Description	Price
148692	48-59-1812	M18™ and M12™ Charger	

### M18™ & M12™ Rapid Charge Station

- REDLINK™
- Pass through plug
- Charges three batteries simultaneously
- Accepts (3) M18™ and (3) M12™ battery packs



Part #	Mfg #	Description	Price
173750	48-59-1807	18V & 12V	

### M18™ Lithium-Ion AC/DC Wall & Vehicle Charger

- AC Wall charger and DC vehicle charger
- Charges all M18™ batteries
- Charge times:
  - 48-11-1815: 30-Minute
  - 48-11-1828: 1-Hour
  - 48-11-1820: 45-Minute
  - 48-11-1840: 90-Minute



Part #	Mfg #	Description	Price
138273	2710-20	18V	

## Power Tool Accessories

### M18™ and M12™ Vehicle Charger

- Plugs into vehicle 12V or 24V DC Outlet
- Charges all M18 & M12 batteries
- Automatically shuts down charger to prevent excessive discharge of vehicle battery



Part #	Mfg #	Description	Price
236978	48-59-1810	Vehicle for M18 & M12	

### REDLITHIUM™ USB Battery & Charger Kit

- Charges the Milwaukee® REDLITHIUM™ USB Batteries via Micro USB Cord
- 2X More Capacity than (3) AAA Alkaline Batteries
- LED Fuel Gauge Allows Fast Checking of REDLITHIUM™ USB Battery Charge
- 2ft Heavy Duty Micro-USB Braided Cord w/ Metal Ends



Part #	Mfg #	Description	Price
238974	48-59-2003	Kit	
238972	48-59-2002	Charger and Cord Only	

### M28™ 3-Bay Universal Charger

- Single-unit simplicity: Milwaukee M28™ lithium-ion, V18 Lithium-ion and NiCd batteries
- Durable construction: Withstands tough job site conditions
- 9-ft. Pass-through plug
- High-visibility LED light: Displays charge status from across the room



Part #	Mfg #	Description	Price
164783	48-59-0280	M28™ 3-Bay Universal Charger	

### Milwaukee® Parts & Accessories

#### SDS+ Dust Trap™ Drilling Shroud

- Industry's first OSHA® compliance solution without a vacuum, ideal for overhead drilling applications
- universal fit allows the DUST TRAP™ to work with all SDS Plus rotary hammers and SDS Plus drill bits up to an 8" length, including stop bits and other anchor installations tools



Part #	Mfg #	Description	Price
244316	48-03-3035	Clear Sleeve, Compact Collapsible Design	

### Chuck Key

- This chuck key tightens the jaws of the 1/2 inch capacity chuck 48-66-1360, 48-66-1370, and 48-66-1381
- Key holder 48-66-4040 should be used to attach this chuck key to the corset



Part #	Mfg #	Description	Price
140524	48-66-3280	Chuck Key	

### Bit Holder

Part #	Mfg #	Description	Price
150713	43-72-0550	Bit Holder	

### Screws, Nuts & Bolts

Part #	Mfg #	Description	Price
150710	06-82-5275	6-32" x 5/16" Torx Head Screw	

### Spline/Round Hex 2Pc Floor Scraper

Part #	Mfg #	Description	Price
236691	48-62-2016	6" x 25"	

### Tamper Shank

- Used to mount tamper plate



Part #	Mfg #	Description	Price
243757	48-62-4060	15-1/2"	

### Tent Stake Driver - Head Only

- Drives in large tent stakes (Use with 48-62-4060)



Part #	Mfg #	Description	Price
243756	48-62-4061	5-1/2"	

### Universal Surface Grinding Dust Shroud



Part #	Mfg #	Description	Price
242453	49-40-6105	7"	

### SDS Max Dust Extraction Attachment

Part #	Mfg #	Description	Price
242451	5317-DE	8.75" x 4.6" x 2"	



## Power Tool Accessories

### Cut-Off Machine Accessories

#### Cut-Off Wheel

- For general purpose to specialized high performance applications
- Consistent performance from wheel to wheel
- Tested for balance, resulting in smooth, vibration free grinding and cutting



Part #	Mfg #	Size	Type	Price
138407	49-94-4500	4-1/2"	1	
186774	49-94-5000	5"	1	
242287	49-94-5020	5"	7/8"	
162159	49-94-4520	4-1/2"	1/4"	
171104	49-94-4505	4-1/2"	7/8"	
140073	49-94-1405	14"	1	



## Power Tools

### Pipe Inspecting and Locating

#### SeeSnake® micro™ Inspection Camera

- Allows you to easily perform visual inspections in hard to reach areas
- Lightweight, hand-held design can be carried anywhere
- 3' Cable reach expandable to 30' with optional extensions
- Includes batteries, mirror, hook and magnet



Part #	Mfg #	Display	Diameter	Lighting	Power Source	Price
141173	36738	3.5" Color LCD	17mm	(4) Adj LEDs	(4) AA Batteries	

#### SeeSnake® Sewer Camera Locator

- Flexible transmitters
- 768 x 494 Video resolution
- 6 rugged, high-intensity LED lights built in camera
- Hardened stainless steel snake camera head with spring assembly
- For use with 2-1/2" diameter plumbing line with a max run of 200'



Part #	Mfg #	Size	Color	Price
206936	13998	325'	Red/Gray	

**Refrigeration Tools**

**Refrigerant Piping and Components**

**Rotary Vane Deep Vacuum Pump**

- Internal check valve stops oil blowout in case of accidental power loss
- Gas ballast valve helps prevent oil contamination caused by high moisture
- Manifold valve isolates pump from system when testing for leaks
- Center oil fill port is accessible from front & sides
- Durable light weight die cast aluminum housing
- Delrin vanes for quieter, longer-lasting performance
- 2-Stage for lower pumping pressure
- Oil drain valve at bottom of oil reservoir
- 25 Microns ultimate vacuum
- Electrical Specs: 120V/60Hz (2-Stage\_



Part #	Mfg #	Free Air Displace	Motor	Nom Pump Speed	Price
150637	90066-2V-110	6 CFM	1/3 hp	3440 rpm	

**ACCU-Charge II Electronic Refrigerant Scale**

- Functions:
  - Charge programming
  - Pause/charge
  - Tank capacity programming (empty/full)
  - Repeat
- Capacity: 240 lbs
- Auto off: 3 hours
- Operating temperature: 32° to 120°F
- Battery life approximately 40 hours (9 VDC)



Part #	Mfg #	Description	Price
140934	98210-A	9" x 9" Platform	

**Pro-Set® Cyclone Refrigerant Recovery Machine**

- Fastest overall ARI certified recovery rates in its class in all temperature environments
- Automatic low pressure shut-off feature turns unit off when recovery is completed
- Rugged high density double walled plastic housing with easy view top mounted controls
- R-410A Ready with 550 psi high pressure shut-off switch
- Ergonomic well balanced design for easy transport including shoulder strap, weighs 36 lbs
- Built-in suction filter located under suction port



Part #	Mfg #	Description	Price
112428	87-CR700	1 hp Oil-Less Cyclone	

**Refrigeration Tools**

**Electronic Digital Vacuum Gauge**

- Large 5 digit LCD display
- Measurement units are selectable for microns, in/hg, mBar, Torr. Advanced field
- Cleanable sensor can withstand 400 psi positive pressure
- Operates 30 hours on standard 9V alkaline battery



Part #	Mfg #	Description	Price
113610	87-VG200	Digital Gauge, Carry Hook, Tee, 9V Battery & Case	

**Brass Access Tee - Sweat**

- One valve core included for each tee
- All male flare fittings are internally threaded to accept installation of valve core
- Includes brass cap for use with core wrench



Part #	Mfg #	Fitting 1	Fitting 2	Branch Fitting	Body	Price
092124	83-CC8414-2Pk	1/4" Sweat ODF	1/4" Sweat ODF	1/4" SAE Flare	Copper	
080959	83-CC8438-2Pk	3/8" Sweat ODF	3/8" Sweat ODF	1/4" SAE Flare	Copper	
080956	83-CC8412-2Pk	1/2" Sweat ODF	1/2" Sweat ODF	1/4" SAE Flare	Copper	

**Brass Access Tee - Threaded**

- One valve core included for each tee
- All male flare fittings are internally threaded to accept installation of valve core



Part #	Mfg #	Fitting 1	Fitting 2	Branch Fitting	Body	Price
103852	83-CD9601-2PK	1/4" SAE Flare (F)	1/4" SAE Flare (M)	1/4" SAE Flare (M)	Copper	

**Valves**

**Pro-Set® Ball Valve**

- Add existing hose to eliminate refrigerant loss to comply with EPA regulations
- 1/4-Turn operation, color-coded handles



Part #	Mfg #	Description	Price
119736	87-BV3-3PK	1/4" Female, 1/4" Male, SAE, 3/Pk	

**Microseal™ Anti-Blowback Valve**

- Automated sealing eliminates refrigerant loss and blowback
- Non-restrictive porting for maximum refrigerant flow
- SAE Male x SAE Female



Part #	Mfg #	Description	Price
098447	87-AB3-3PK	1/4" Female, 1/4" Male, SAE, 3/Pk	

**Refrigeration Tools**

**Valve Core**



Part #	Mfg #	Description	Price
140745	83-CD4460-6PK	Valve Core, 6/Pk	

**Refrigerant Wrenches**

**6-in-1 Metric Torque Wrench**

- Ideal for installing mini-split systems
- Includes (6) interchangeable heads: 12, 22, 24, 26, 27 & 29mm jaw sizes



Part #	Mfg #	Description	Price
150265	TLTWSM	Metric 6-in-1 Metric Torque Wrench	

**BLACKMAX Digital Torque Wrench**



Part #	Mfg #	Description	Price
232482	BTLDTW	Digital Torque Wrench	

**Chemicals**

**Acid Test Kit**

- Use to determine the acid level in mineral and alkybenzene lubricants typically used with HCFC refrigerants such as R-22 and R-401A (not for use with POE oil)
- One test per kit
- Easy to use, no complicated charts, results in seconds
- Simply add oil, shake, and observe color change (turns yellow if acidic)



Part #	Mfg #	Description	Price
031600	85-25140-01	Ref Oil Acid Test Kit	

**QwikCheck Acid Test Kit**

- Color Change Indicates Pass/Fail
- Tests for Inorganic Acids to the ARI-700 limit of 1ppm
- Works with All Refrigerants & Oils
- Meets EPA Venting Regulations
- Unique Patented Disposable Design
- U.S. Patents #6,514,765 & #6,825,040



Part #	Mfg #	Description	Price
158735	QT2000	Detects inorganic acid in 2-seconds down to 1 part per million	

**Refrigeration Tools**

**Refrigeration Oil Test Kits**

**Phase III® Refrigeration Oil Test Kit**

- For use on POE's, minerals oils, and alkylbenzene
- Tests acid level in refrigeration oil



Part #	Mfg #	Description	Price
140753	4320-W8	Phase III Oil Test Kit	

**Refrigeration Tools**

**Charging Hoses**

- Strong 6-sided crimp
- Coupler nuts are deeply knurled
- Fittings are 1/4" FFL x 1/4" FFL

**1/4" Enviro-Guard™ Hose with Ball Valve**

- In-line ball valves control refrigerant flow, open and close in 1/4-turn



Part #	Mfg #	Description	Price
028021	65060	(3) 60" Envir-Guard Hose Set	

**Flexible Adapter**

- Brass fittings
- Durable 6" long neoprene coated hose



Part #	Mfg #	Description	Price
064120	40083	1/4" Hose Gaskets	



## Refrigeration Tools

### Refrigerant Parts

#### Gasket

Part #	Mfg #	Description	Price
144859	87-HXG	Hose Gasket, 10/Pack, Fits 1/4"SAE, 1/2" Acme or 1/2" 20 UNF	

#### Hose - Refrigerant

Part #	Mfg #	Description	Price
140755	40360	5' Blue, Red, Yellow Refrigerant Hose Set	
140756	41601	5' Blue Refrigerant Hose	
140757	41602	5' Yellow Refrigerant Hose	
126840	41603	5' Red Refrigerant Hose	
096037	45360	5' Blue, Red, & Yellow Refrigerant Hose Set with Anti-Blowback Fittings	
148224	87-HP5BA	5' Blue Refrigerant Hose with Anti-Blowback Fittings	
148223	87-HP5RA	5' Red Refrigerant Hose with Anti-Blowback Fittings	
148222	87-HP5YA	5' Yellow Refrigerant Hose with Anti-Blowback Fittings	
148221	87-HS3A	3' Refrigerant Hose Set with Anti-Blowback Fittings	

#### Manifold

Part #	Mfg #	Description	Price
132142	57161	Aluminum 2-Way Manifold Gauge Set with 5' Hoses	
105054	87-MBHP5	Manifold with Hose(R-410A-R22)	

#### Vacuum Pump Oil

Part #	Mfg #	Description	Price
148101	85-2600	1 qt	
092114	85-2601	1 gal	

### Tools, Gauges & Solder

#### Valve Core Tool

Part #	Mfg #	Description	Price
104588	91490	Protech Universal Valve Core Tool	
140984	91496	Valve Core Remover	
140743	83-CD3813-1PK	Valve Core Container/Wrench	
104515	83-CD3800-1PK	Valve Core Wrench	



## Refrigeration Tools

### Manifolds

#### 4-Valve Aluminum Manifold

- Forged aluminum body
- Replaceable ss valve seats
- SAE styl o-ring
- Large sight glass
- 3/8" bore throughout
- Comfort grip
- Glows in the dark
- R22-404A-410A



Part #	Mfg #	Description	Price
167725	1839130	60" Hoses, Low Loss Ball-Valve Adapters	

#### 4-Valve Aluminum Manifold Set

- Forged aluminum body
- Replaceable ss valve seats
- SAE styl o-ring
- Large sight glass
- 3/8" bore throughout
- Comfort grip
- Includes:
  - Valve
  - Dual Readout Thermometer
  - 60" Refrigeration hoses w/ ball valve adapters
- R22-404A-410A



Part #	Mfg #	Description	Price
168342	1839131	60" Hoses, Ball-Valve Adapters	

#### 2-Valve Aluminum Manifold

- Forged aluminum body
- Replaceable ss valve seats
- SAE style o-ring
- Large sight glass
- Comfort grip
- Glows in the dark
- Built-in pressure reminder



Part #	Mfg #	Description	Price
166823	1839134	-30" Hg to 300 - 500 psi	

### Flaring Tools

#### Orbital Flare

- Off-center mounted cone spins on an axis to effectively produce quality flares
- Clutch mechanism stops the flaring when the job is done
- Spring-loaded block grips tube securely
- A tube-stop arrow slides to set correct height and positioning, while ball detents allow for easy flaring cone alignment
- Tube Sizes (O.D.) - 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"



Part #	Mfg #	Description	Price
167767	1838952	45° Flare Type	

### Swaging Tools

#### Compact Swage Tool

- The power to swage 1-5/8" tubing and the control to swage 5/16" without splitting the tube
- Compact design
- One-handed operation



**Kit Includes:** 3/8", 1/2", 5/8", 3/4", 7/8", expander heads, body, deburrer, kit box

Part #	Mfg #	Description	Price
165773	1839015	Tube sizes (O.D.) 3/8", 1/2", 5/8", 3/4", 7/8"	

### Pumps

#### Vacuum Pump

- Hands-free carry
- Drains oil quickly
- Quick, easy access
- Easy to check oil
- Extra confidence
- Prolong oil life



Part #	Mfg #	Description	Price
231489	1948121	VP5 5 CFM 1/2HP	

## Refrigeration Tools

### Electronic Tools

#### Dual Readout Thermometer

- *Manifold-compatible compact thermometer*
- *Use it on any gauge set, or remove it and use it independently*
- *Two easy-to-use, K-style tube clamp thermocouples*



Part #	Mfg #	Description	Price
167727	1839106	0° C to +50°C	

### Service Tools

#### Deburrers

- *Steel blades*



Part #	Mfg #	Description	Price
168257	1891258	1/4" to 1-5/8"	

#### Valve Core Removal Tool

- *Max working pressure: 800 psi*
- *Burst pressure: 4000 psi*
- *Operating Temp: -20°F to +180°F*



Part #	Mfg #	Description	Price
237080	194796	1/4"	
244572	1947968	5/16"	

### Hoses

#### Refrigeration Hoses

- *Extra abrasion-resistant layer*
- *Rated for 800 PSI working pressure*
- *60" Length*



Part #	Mfg #	Description	Price
168252	1839153	Set of 3 (Red, Blue, Yellow)	



## Refrigeration Tools

### Vacuum Gauges

#### Gas Test Pressure Gauge Assembly (with Clamshell)

- 2" diameter steel case



Part #	Mfg #	Gas Test Fitting	Conn.	Price
183408	355-05PK2	Air Valve Only	3/4" FIP	

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## Rulers & Tape Measures

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### Power Return Tapes

- Ultraviolet curing extends blade life
- Impact-resistant cases

### Magnetic Tip Tape Measure

- Reinforced end hook
- Nylon coated blade
- Yellow blade



Part #	Mfg #	Size	Price
080609	T425M	1" x 25'	



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## Rulers & Tape Measures

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### Tape Measures

Part #	Description	Price
035970	1" x 25' Plumb Tape Measure	

**Rulers & Tape Measures**

**Steel Tapes**

**Power Return Tape - Double-Sided**

- Baked-on epoxy coating to resist scratches, rust, and abrasions
- Thick rubber grip; blue case
- Oversized bold black number on first 11" 16" & 19" Red stud marks



Part #	Mfg #	Length	Width	Price
135034	908-25	25'	1"	

**Folding Wood Rules**

**Standard Rule**

- 6' Long hardwood rules with clear abrasion resistant coating
- Black markings on yellow, with red stud center markings every 16 inches
- Measurements are marked on both sides and both edges, graduated to 1/16th inch
- Engraved graduations on both sides



Part #	Mfg #	Reading	Length	Price
112668	900-6	Inside	6'	

**Rulers & Tape Measures**

**Rulers**

**Fiberglass Folding Ruler**

- Precision made of flexible heavy-duty fiberglass
- With embedded easy-to-read boldface figures and graduations with red 16" stud marks and positive locking joints
- 6" Inside flat reading



Part #	Mfg #	Model	Width	Length	Price
008692	73370	1619F	5/8"	6'	





## Saws & Blades

### Abrasive Saw

- Heavy-duty cast iron base with non-slip rubber feet
- D-Handle grip ergonomic handle
- Die cast aluminum motor housing with externally accessible brushes
- Tool-less fence adjustment
- Arbor lock and arbor wrench included
- Miter cut to 45°



### Replacement Saw Blade

Part #	Mfg #	Description	Price
067703	46956	14" Abrasive Disks for Steel, 10/Pk	

## Saws & Blades

### Hand Saws

#### Compact Hack Saw

- Tool-free blade change
- Adjustable blade length
- Rubber over mold grip



Part #	Mfg #	Description	Price
137579	48-22-0012	Includes (1) 10" Blade	

#### Rasping Jab Saw

- Rasping holes along the side of the blade to rapidly expand holes or smooth rough edges of sheet rock
- Rubber over mold grip
- 6" Plaster/dry wall blade



Part #	Mfg #	Description	Price
137581	48-22-0304	6" Rasping Jab Saw	

#### Folding Jab Saw

- Folds for easy storage
- Uses standard Sawzall® blades
- Includes:
  - (1) Folding jab saw
  - (3) Reciprocating blades (metal, wood, multi-purpose)



Part #	Mfg #	Description	Price
137583	48-22-0305	6" Folding Jab Saw	

#### 18" PVC/ABS Saw

- Tool free blade change
- Metal core body
- Clamshell design
- Rubber over mold grip



Part #	Mfg #	Description	Price
137580	48-22-0223	18" Blade	
226368	48-22-0218	18" Blade	

### Sawzall® Blades

- Matrix II high speed steel teeth with 8% cobalt, tough bi-metal design; 1/2" universal tang

#### Mega SAWZALL® Blade Kit



Part #	Mfg #	Pack Qty	Price
222915	49-22-1132	32	

### SAWZALL® Blades

- NAIL GUARD™ Ordinary teeth
  - FANG TIP™
  - Matrix II bi-metal teeth for greater durability
- (5 Pk)



Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
164267	48-00-5091	6"	8/12 TPI	5 Pk	
233564	48-00-5041	6"	4/6 TPI	5 Pk	
164213	48-00-5035	6"	5 TPI	5 Pk	
164207	48-00-5092	6"	10 TPI	5 Pk	
164210	48-00-5182	6"	14 TPI	5 Pk	
164211	48-00-5184	6"	18 TPI	5 Pk	
164212	48-00-5186	6"	24 TPI	5 Pk	
164279	48-00-5093	8"	8/12 TPI	5 Pk	
164202	48-00-5036	9"	5 TPI	5 Pk	
164203	48-00-5016	9"	6 TPI	5 Pk	
164273	48-00-5187	9"	14 TPI	5 Pk	
164274	48-00-5188	9"	18 TPI	5 Pk	
233561	48-00-5193	8"	10/14 TPI	5 Pk	
164200	48-00-5037	12"	5 TPI	5 Pk	
169673	48-00-5094	12"	8/12 TPI	5 Pk	
167949	48-00-5194	12"	10/14 TPI	5 Pk	

(25 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
168482	48-01-2035	6"	5 TPI	25 Pk	
242767	48-01-2093	8"	8/12 TPI	25 Pk	
168483	48-01-2036	9"	5 TPI	25 Pk	

## Saws & Blades

(50 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
152610	48-01-6035	6"	5 TPI	50 Pk	

### Thin Kerf SAWZALL® Blades

- Optimized tooth design providing 2X more life than our previous generation SAWZALL® blades
- Tough Neck™ ribs strengthen the blade tang and minimize breakage
- Grid Iron™ honeycomb pattern increases blade rigidity to resist blade buckling



(5 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
167946	48-00-5181	4"	14 TPI	5 Pk	
233565	48-00-5183	4"	18 TPI	5 Pk	

(25 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
168363	48-01-2184	6"	18 TPI	25 Pk	
168364	48-01-2188	9"	18 TPI	25 Pk	
233563	48-00-8184	6"	18 TPI	25 Pk	

(50 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
240138	48-01-6186	6"	24 TPI	50 Pk	
242750	48-00-4188	9"	18 TPI	50 Pk	

(100 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
242766	48-01-7092	6"	10 TPI	100 Pk	
175719	48-01-7035	6"	5 TPI	100 Pk	
167948	48-01-7184	6"	18 TPI	100 Pk	
175717	48-01-7188	9"	18 TPI	100 Pk	

### Thin Kerf Ice Hardened™ SAWZALL® Blades

- Optimized tooth design providing 2X more life than our previous generation SAWZALL® blades
- Tough Neck™ ribs strengthen the blade tang and minimize breakage
- Grid Iron™ honeycomb pattern increases blade rigidity to resist blade buckling



(5 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
169667	48-00-4182	6"	14 TPI	5 Pk	
167951	48-00-4189	12"	18 TPI	5 Pk	

(50 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
152609	48-01-8184	6"	18 TPI	50 Pk	

### The Torch™ SAWZALL® Blades

- Optimized tooth design providing 2X more life than our previous generation
- SAWZALL® blades Tough Neck™ ribs strengthen the blade tang and minimize breakage
- Grid Iron™ honeycomb pattern increases blade rigidity to resist blade buckling



(5 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
152136	48-00-5712	6"	10 TPI	5 Pk	
152137	48-00-5782	6"	14 TPI	5 Pk	
152139	48-00-5784	6"	18 TPI	5 Pk	
164297	48-00-5786	6"	24 TPI	5 Pk	
152129	48-00-5713	9"	10 TPI	5 Pk	
152130	48-00-5787	9"	14 TPI	5 Pk	
152131	48-00-5788	9"	18 TPI	5 Pk	
164298	48-00-5790	9"	24 TPI	5 Pk	
152132	48-00-5714	12"	10 TPI	5 Pk	
152133	48-00-5794	12"	14 TPI	5 Pk	
152134	48-00-5789	12"	18 TPI	5 Pk	
169669	48-00-5791	12"	24 TPI	5 Pk	



## Saws & Blades

(25 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
161705	48-01-2713	9"	10 TPI	25 Pk	
177451	48-00-8782	6"	14 TPI	25 Pk	
168987	48-00-8787	9"	14 TPI	25 Pk	
226631	48-01-2788	9"	18 TPI	25 Pk	

(100 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
244875	48-01-7782	6"	14 TPI	100 Pk	

### The Torch™ Ice Hardened™ SAWZALL® Blades

- Optimized tooth design providing 2X more life than our previous generation SAWZALL® blades
- Tough Neck™ ribs
- Grid Iron™ honeycomb pattern



(5 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
229537	48-00-4712	6"	10 TPI	5 Pk	
229538	48-00-4782	6"	14 TPI	5 Pk	
169668	48-00-4784	6"	18 TPI	5 Pk	
229539	48-00-4713	9"	10 TPI	5 Pk	
187923	48-00-4787	9"	14 TPI	5 Pk	
229540	48-00-4788	9"	18 TPI	5 Pk	

### The Ax™ SAWZALL® Blades

- NAIL GUARD™ Ordinary teeth
- FANG TIP™
- The 1" tall blade body reduces blade twisting for straighter cuts
- Matrix II bi-metal teeth for greater durability



(5 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
152529	48-00-5021	6"	5 TPI	5 Pk	
152530	48-00-5026	9"	5 TPI	5 Pk	
152531	48-00-5027	12"	5 TPI	5 Pk	
233567	48-00-5052	9"	5 TPI	5 Pk	

(25 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
167955	48-00-8021	6"	5 TPI	25 Pk	
226632	48-01-2021	6"	5 TPI	25 Pk	

(100 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
167947	48-01-7021	6"	5 TPI	100 Pk	

### The Ax™ with Carbide Teeth SAWZALL® Blades

- Best tooth design
- NAIL GUARD™
- FANG TIP™
- Optimized for cordless: 25% more cuts per charge



Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
225843	48-00-5221	6"	5	1	
225845	48-00-5226	9"	5	1	
225847	48-00-5227	12"	5	1	

### The Wrecker™ SAWZALL® Blades

- A precise manufacturing process creates a sharper cutting edge on each tooth for a faster cutting blade
- A complete, unset raker tooth on the blade tip allows for easier, faster plunging by minimizing walking and bouncing
- A thicker, more rigid blade body resists fracturing and bending for maximum durability
- The 1" tall blade body reduces blade twisting for straighter, more accurate cuts



(5 Pk)

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
152135	48-00-5701	6"	8 TPI	5 Pk	
152128	48-00-5706	9"	8 TPI	5 Pk	
242781	48-00-8706	9"	7/11 TPI	25 Pk	
152127	48-00-5711	12"	8 TPI	5 Pk	
242752	48-00-8711	12"	7/11 TPI	25 Pk	

## Saws & Blades

### Fleam Ground SAWZALL® Blades

- Deep gullet design cuts up to 25% faster than standard wood blades
- Fleam ground process creates super sharp teeth for clean cuts
- Matrix II bi-metal teeth for greater durability



**(5 Pk)**

Part #	Mfg #	Blade Size	TPI	Pkg Qty	Price
169671	48-00-5015	6"	6 TPI	5 Pk	

### Carbide Grit SAWZALL® Blade

- Tungsten carbide for long life
- Coarse grit for fast cutting



Part #	Mfg #	Blade Size	Pkg Qty	Price
169674	48-00-1420	6"	3 Pk	
159451	48-00-1430	9"	3 Pk	

### Diamond Grit THE TORCH™ SAWZALL® Blade

- Diamond Grit delivers up to 30x longer life than standard carbide grit blades
- The precisely controlled size and placement of the diamond grit allow these blades to cut up to 2x faster than standard carbide grit blades
- The 1" tall blade body reduces blade twisting for straighter, more accurate cuts



Part#	Mfg#	Size	Price
152141	48-00-1440	6"	
151654	48-00-1450	9"	

### Wood Cutting Sawzall® Blade

- For cutting stock 3/8" and above
- Recommended for very fast cutting, nail-embedded wood, general roughing-in



Part #	Mfg #	TPI	Blade Size	Pkg Qty	Price
141058	48-00-8036	6	9" x 3/4"	25 Pk	

### Sawzall® Flush Cut Blade

- Floor guard shields teeth from floor contact during bottom plate cut-outs
- Double truss design guides blade for straight window cut-outs
- Nail Guard™ unique design protects against tooth fracture when cutting nails between studs and joists
- Fang Tip™ delivers fast plunge cutting for window cut-outs



Part #	Mfg #	TPI	Blade Size	Pkg Qty	Price
140976	48-00-1600	5	12" x 2-1/8"	1 Pk	

### Sawzall® Rough-In Blade

- Low blade profile cuts 2-1/8" diameter holes for 1-1/2" PVC pipe
- Can cut holes through double top plates
- NAIL GUARD™ Unique design protects against tooth fracture when cutting through holes in nail embedded wood
- FANG TIP™ fast plunge cutting through bottom plates and subfloors



Part #	Mfg #	TPI	Blade Size	Pkg Qty	Price
140978	48-00-1610	5	7-3/8" x 1/2"	5 Pk	

### SUPER SAWZALL® Blade

- Double relief angle reduces tooth stress for long life
- Precision forming process creates sharper teeth for fast cutting
- Matrix II bi-metal teeth for greater durability



Part #	Mfg #	TPI	Blade Size	Pkg Qty	Price
170458	48-00-5161	3-5/8"	10 TPI	5 Pk	

### Ductwork SAWZALL® Blade

- Pierce point tip geometry for quick plunging in ductwork with on tool
- Low blade profile for tight radius cuts
- Optimized tooth form designed specifically for cutting ductwork



Part #	Mfg #	Description	Price
169675	48-00-1630	Ductwork SAWZALL® Blade (5 Pk)	



## Saws & Blades

### Drywall Access SAWZALL® Blade

- Ideal for servicing plumbing and electrical
- Optimized length to minimize damage to pipe and wire
- Cut all directions
- Fast plunge



Part #	Mfg #	Description	Price
156089	48-00-1640	Drywall Access Blade	

### Pruning Sawzall® Blade



Part #	Mfg #	TPI	Blade Size	Pkg Qty	Price
142581	48-00-1303	5	12" x 3/4"	5 Pk	
186164	48-00-1301	5	9"	5 Pk	

### High-Carbon Steel Jig Saw Blade

- Heavy duty: Advanced construction for long life in tough professional applications
- Fast cuts; Tooth shape and sharpness permit clean scroll cutting in wood
- Versatile: Fits any jig saw that accepts a T-shank blade



Part #	Mfg #	TPI	Blade Size	Pkg Qty	Price
162387	48-42-5640	12 TPI	3"	5 Pk	
245521	48-42-5200	6 TPI	4"	5 Pk	
245520	48-22-5220	8 TPI	4"	5 Pk	
245522	48-42-5240	10 TPI	4"	5 Pk	

### B-Metal Jig Saw Blade

- Longer life
- Fast cuts
- Versatile: features a universal tang



Part #	Mfg #	TPI	Blade Size	Pkg Qty	Price
242753	48-42-2120	18 TPI	2-3/4"	5 Pk	
242754	48-42-2190	14 TPI	3-5/8"	5 Pk	
242739	48-42-2310	10 TPI	4-1/8"	5 Pk	

### Sawzall® Blade Sets

#### 12-Piece Assortment General Purpose Sawzall® Blade Kit

- Includes:
  - (4) 6" 18 TPI The Torch blades
  - (2) 6" 8 TPI The Wrecker blades
  - (2) 6" 5 TPI The Ax blades
  - (2) 9" 5 TPI The Ax blades
  - (2) 9" 14 TPI The Torch blades
  - (1) Storage container



Part #	Mfg #	Description	Price
143952	49-22-1129	12-Pc Blade Kit	

#### 9-Piece Sawzall® Blade Set

- Includes:
  - (2) 6" Wood cutting blades
  - (1) 9" Wood cutting blade
  - (3) 6" 14TPI Blades
  - (3) 6" 24TPI Blades



Part #	Mfg #	Description	Price
152473	49-22-1145	9-Pc Blade Set	

#### 5-Piece Assortment General Purpose Sawzall® Blade Kit

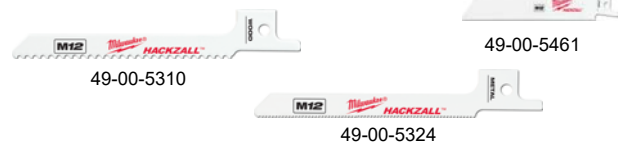
- Includes:
  - The Ax™ wood cutting
  - The Torch™ metal cutting blades
  - Demolition blades
  - 1" tall profile for TOUGH, STRAIGHT CUTS



Part #	Mfg #	Description	Price
237166	49-22-1105	5-Pc Demolition SAWZALL®	

### Hackzall™ Blades

#### M12 Hackzall™ Blade



Part #	Mfg #	TPI Length	For	Pkg Qty	Price
144141	49-00-5310	10 3-1/2"	Wood	5/Pk	
144142	49-00-5324	24 3-1/2"	Metal	5/Pk	
144143	49-00-5461	6 4"	Plaster	5/Pk	



## Saws & Blades

### Hackzall™ Blades (Continued)

#### M12 Hackzall™ Blade

Part #	Mfg #	TPI Length For Qty	Pkg	Price
244543	49-00-5410	4" Multi	5/Pk	
244544	49-00-5614	6" PVC/Plastic	5/Pk	

#### M12 Hackzall™ Blade 10-Pc Set

- Includes:
  - (2) Wood blades
  - (3) EMT Blades
  - (2) Duct Blades
  - (3) PVC Blades
  - Storage pouch



Part #	Mfg #	Description	Price
143951	49-22-0220	M12™ Hackzall™ 10-Pc Set	

#### Hackzall™ Blades

- Longer life: Bi-metal construction lasts longer than high-speed steel and carbon blades
- Cuts common materials 1/4" - 1/2" thick
- Convenient: Fits most 12" hack saw frames



Part #	Mfg #	TPI	Length	Pkg Qty	Price
006937	48-43-0610	18	12"	10	
186598	48-43-0620	24	12"	10	

### Sawzall® & Hackzall® Accessories

#### Scraper Blade

- Fits all Sawzall® and Hackzall® reciprocating saws
- Induction hardened blade edge
- Corrosion resistant coating
- Chambered corners prevent digging into work material
- Resharpener blade



Part #	Mfg #	Description	Price
148390	49-00-5463	1-1/2" Scraper Blade	
148391	49-00-5456	3" Scraper Blade	
159007	49-00-5455	5" Scraper Blade	

#### Grout Removal Tool

- Fits all SAWZALL® and HACKZALL™ recip saws
- Curved cutting edge for maximum accuracy
- Coarse carbide grit for fast grout removal
- Corrosion resistant coating for longer life



Part #	Mfg #	Description	Price
159006	49-00-5450	Grout Removal Tool	

#### 3Pc Material Removal Blade

- Fits all Sawzall® and Hackzall™ Recip Saws
- Induction hardened blade edge for maximum durability
- Corrosion resistant coating
- Chamfered corners prevent digging into work material
- Resharpener blade



Part #	Mfg #	Description	Price
145865	49-22-5403	Scraper, Grout Removal, Coarse Carbide Grit	

### Accessories

#### 18 Gauge Shear Head Assembly



Part #	Mfg #	Description	Price
244205	48-08-0500	18 Gauge	





## Saws & Blades

### PVC Shear Blade

- Compatible only with the M12™ PVC Shear Tool
- Reinforced cutting edge
- Designed to cut PVC, CPVC, PEX, non-metallic conduit and rubber hose
- Bowtie connection



Part #	Mfg #	Description	Price
177853	48-44-0405	4" x 2.5" x 0.149"	

### Bit Extension for Hex Shank Hole Saw Arbors

- Hex-wrench

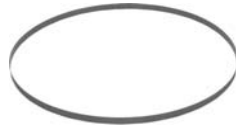


Part#	Mfg#	Shank	Length	Price
170805	48-28-4008	3/8"	12"	
229946	48-28-4011	7/16"	18"	

### Band Saw Blades

#### Bi-Metal Band Saw Blade

- Matrix II high speed steel teeth
- For the fastest cutting, longest life blade life available



Part #	Mfg #	Description	Price
169677	48-39-0500	10 TPI Standard Deep Cut	
138593	48-39-0511	14 TPI Standard Deep Cut	
169676	48-39-0520	18 TPI Standard Deep Cut	
174043	48-39-0521	18 TPI Standard Deep Cut	
160569	48-39-0531	24 TPI Standard Deep Cut	

#### Compact Portable Band Saw Blade

- Matrix II high speed steel teeth
- Alloy backing steel
- Precision formed teeth



Part #	Mfg #	Description	Price
235684	48-39-0509	10 TPI Band Saw Blade, 3 Pk	
163508	48-39-0518	14 TPI Band Saw Blade	
149985	48-39-0519	14 TPI Band Saw Blade	
152649	48-39-0529	18 TPI Band Saw Blade	
163509	48-39-0538	24 TPI Band Saw Blade	
160570	48-39-0539	24 TPI Band Saw Blade	
150495	48-39-0572	18 TPI Band Saw Blade	

#### Standard Deep Cut

Part #	Mfg #	Description	Price
006935	48-39-0510	14 TPI Portable	
006936	48-39-0530	24 TPI Portable	

### Band Saw Blades (Continued)

#### Compact Portable Band Saw Blade

##### Standard Deep Cut

Part #	Mfg #	Description	Price
233570	48-39-0550	10/14 TPI Portable	

### Circular Saw Blade

#### Circular Saw Blade 6-1/2"

- 5/8 in. arbor
- Thin kerf for faster cutting
- Framing and ripping blade
- Anti-kickback shoulder
- Precision ground carbide
- Expansion slots for truer cuts under heavy use



Part#	Mfg#	Size	Teeth	Pk Qty	Price
151837	48-40-4108	6-1/2"	24	1	
151836	48-40-4015	6-1/2"	48	1	
221315	48-40-4112	6-1/2"	40	1	

#### 7-1/4" Circular Saw Blade

- 5/8 in. arbor with diamond knockout
- Thin kerf for faster cutting
- Framing and ripping blade
- Anti-kickback shoulder
- Precision ground carbide
- Expansion slots for truer cuts under heavy use



Part#	Mfg#	Size	Teeth	Pk Qty	Price
155049	48-40-4116	7-1/4"	16	1	
154493	48-40-4126	7-1/4"	40	1	

#### Ferrous Metal Circular Saw Blade

- Dry - No lubricant required
- Cool - No extreme heat buildup
- Clean - No burrs



Part #	Mfg #	Description	Price
148958	48-40-4070	5-3/8" 30 Teeth	

## Saws & Blades

### Sanding Disc

- Ceramic resin
- Duct pick up not available



Part #	Mfg #	Grit	Size	Qty/Pk	Price
237738	48-80-0838	80	9"	5/Pk	

### Segment Tool Blades

#### Titanium Segment Multi-Tool Blade



Part #	Mfg #	Description	Price
178189	48-90-0035	3-1/8"	

#### Segment Multi-Tool Blade

- Ideal for Cutting Wood, Drywall & Plaster, Fiberglass and Non-Ferrous Metals



Part #	Mfg #	Description	Price
178191	48-90-0045	3-1/8"	

#### Carbide Grit Segment Multi-Tool Blade

- Carbide Grit for Grout Removal and Cutting into Brick, Cement, Drywall & Plaster, and other Abrasive Materials



Part #	Mfg #	Description	Price
178194	48-90-0100	2-1/2"	
178195	48-90-0110	1-1/4"	

### Miscellaneous Blades

#### 25mm Precision Snap Blades

- Optimized grind angles
- Micro carbide dispersed metal
- Includes Snap-Off knife blade storage case



Part #	Mfg #	Length	Pack Qty	Price
239735	48-22-9125	7"	10 Pack	

#### Multi-Tool Accessory Blades

- Assortment of Multi-Tool Blades for a variety of applications
- Ideal for Cutting Wood with Nails, non-ferrous metals, and PVC



Part #	Mfg #	Description	Price
178197	48-90-1050	3-Piece	
178196	48-90-1000	3-Piece	
227885	48-90-1009	9-Piece	
178186	48-90-0020	1-3/4" Titanium	
178187	48-90-0025	1-1/8" Titanium	
178188	48-90-0030	1-1/4" Hard Point	
178190	48-90-0040	1-1/4" Bi-Metal	
178192	48-90-0050	2-1/2" Bi-Metal	
178193	48-90-0055	1-1/4" Japanese Tooth	
178184	48-90-0010	1-1/4" Extended Multi-Tool	
178185	48-90-0015	3/4" Multi-Tool	

#### Scraper Blade

- Rigid design for heavy duty scraping applications
- Adaptor (48-90-0000) available for Porter Cable®, Black & Decker®, and DeWalt® Multi-Tools



Part #	Mfg #	Description	Price
178198	48-90-0060	2.75" x 2.5"	



## Saws & Blades

### Multi-Tool Sanding Pad

- Universal Shank\* connects to most professional grade multi-tools.
- Designed connection for use with Dust Extractor Kit (49-90-2400)
- Velcro backing for secure connection to sanding paper



Part #	Mfg #	Description	Price
178199	48-90-2000	3-1/2" x 3-1/2"	

### 80 Grit Sand Paper for Multi-Tool

- Velcro backing for secure connection to sanding pad.
- For use with M18™ Sanding Pad (48-90-2000)
- Designed holes for additional use of Dust Extractor Kit (49-90-2400)



Part #	Mfg #	Description	Price
178201	48-90-2080	8-Pk	

## Saws & Blades

### Hand Saws

#### Mini Hacksaw—Pistol Grip & Standard

- *Separate screw sets the 6" blade tension*
- *Good for fine work in small areas.*
- *Six inch steel blade cuts copper and brass tube, bolts, steel, wood and plaster*
- *Pistol Grip is easier to hold and grasp*



301-062

Part #	Mfg #	Type	Blade	Price
031884	301-062	Deluxe Pistol Grip	6"	
183402	301-065	Standard D-Type	6"	

#### SawHorse™ Multi-Purpose Saw

- *High-quality, hardened-steel blade remains sharp through thousands of cuts*
- *Teeth are on the nose for notching in tight areas and starting cuts in the middle of floor or wall*
- *Perfect for plastic pipe, wood and many other materials*
- *20" model has 10 teeth/inch for faster cutting*
- *12" model has 13 teeth/inch for fine cutting.*
- *Both include plastic teeth protector*



300-20

Part #	Mfg #	Blade Size	Price
049442	300-12	20"	
183400	300-20	12"	

### Replacement Blades

#### For: SawHorse™ Multi-Purpose Saws

Part #	Mfg #	For Model:	Price
051535	300-12B	300-12	

#### For: Mini Hacksaw—Pistol Grip & Standard

- *32 Teeth/Inch*
- *Pin ends*

Part #	Mfg #	Material	Blade	Price
031885	301-061	Carbon Steel	6"	

## Saws & Blades

### Saws

#### PlumBest Plastic Pipe Saw

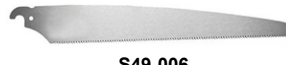
- Die cast aluminum handle
- Large comfortable grip
- Flame hardened blade
- Quickly cuts PVC, ABS, wood, sheet rock, etc.
- 18" Blade has 10 TPI



Part #	Mfg #	Description	Price
054589	S49-001	18" Blade & Handle	

#### E-Z Stroke Pipe Saw

- Tri-edge teeth are borazon wheel ground
- For smooth, fast, accurate cutting
- Pull-stroke cutting action
- Cuts plastic pipe and wood
- Replaceable blade



Part #	Mfg #	Description	Price
044951	S49-005	8" E-Z Stroke Pipe Saw	
045193	S49-006	8" Replacement Blade	
044963	S49-008	12" E-Z Stroke Pipe Saw	
045192	S49-007	12" Replacement Blade	

### Drywall Saw

- High quality carbon steel blade
- Great for sheet rock, wallboard, gypsum, plywood, wood and plastic pipe
- 6" to 8 TPI Aggressive tooth design ensures super sharp, fast and easy cut
- Comfortable grip with thumb stop for greater leverage
- Handy wrist strap



Part #	Mfg #	Description	Price
055539	S49-012	Drywall Saw	

### Close Quarters Hacksaw

- Nickel-plated steel frame
- Cuts wood, plastic, brass, aluminum and steel



Part #	Mfg #	Description	Price
005881	S50-060	6" Hacksaw	
111480	S50-062	6" Adjustable Hacksaw	
005882	S50-061	Blades for S50-061	

### Saws (Continued)

#### Close Quarters Hacksaw

Part #	Mfg #	Description	Price
111479	S50-063	Blades for S50-062	

## Saws & Blades

### Jab Saw

- Cuts drywall, wallboard, plywood, and plastic
- Triple ground teeth for a fast cut
- Blade cuts in both directions (push and pull)
- Hardened, carbon steel blade for durability
- Hardened, beveled blade point for scoring and plunge cuts
- Comfort cushion grip with thumb groove
- Handle structure designed for strength and durability
- Flat end grip for palming or punching through drywall



Part #	Mfg #	Blade Length	Overall Length	Price
106821	725	6"	12"	



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## Saws & Blades

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### Hole Saws Replacement Blade

Part #	Mfg #	Diameter	Price
072037	RBW68	4-1/4"	



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## Saws & Blades

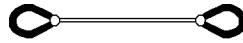
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### Saws

#### PVC Cable Saw

- Cuts plumbing or electrical PVC faster than hacksaw
- Ideal for tight spots and in-ground repairs



Part #	Mfg #	Description	Price
002737	70390	26" Cable Saw - Std	



## Screwdrivers & Bits

### Screwdrivers

#### #1 Phillips - 3" Screwdriver

- Wrench ready HEX shanks
- Forged tool shanks
- Wire bending hole- bend up to 12 gauge wire
- Wire stripper (Patent Pending)- strip up to 12G wire
- Visible ID markings



Part #	Mfg #	Description	Price
169658	48-22-2011	#1 Phillips - 3"	
245658	48-22-2811	#1 Phillips - 3"	

#### #2 Phillips- 4" Screwdriver

- Wrench ready HEX shanks
- Forged tool shanks
- Wire bending hole - bend up to 12 gauge wire
- Wire stripper (Patent Pending) - strip up to 12G wire
- Visible ID markings



Part #	Mfg #	Description	Price
169659	48-22-2012	#2 Phillips - 4"	
245659	48-22-2812	#2 Phillips - 4"	

#### #3 Phillips - 6" Screwdriver

- Wrench ready HEX shanks
- Forged tool shanks
- Wire bending hole - bend up to 12 gauge wire
- Wire stripper (Patent Pending) - strip up to 12G wire
- Visible ID markings



Part #	Mfg #	Description	Price
169660	48-22-2013	#3 Phillips - 6"	
245660	48-22-2813	#3 Phillips - 6"	

#### Demolition Screwdriver

- Wrench ready HEX shanks
- High impact steel cap
- Forged tool shanks
- Visible ID markings



Part #	Mfg #	Description	Price
169661	48-22-2021	1/4" Slotted- 4" Demolition	
162649	48-22-2022	5/16" Slotted- 6" Demolition	
162625	48-22-2023	3/8" Slotted- 8" Demolition	
245662	48-22-2821	1/4" Slotted- 4" Demolition	
245663	48-22-2823	5/16" Slotted- 6" Demolition	
245664	48-22-2825	3/8" Slotted- 8" Demolition	

### 3/16" Cabinet - 6" Screwdriver

- Forged tool shanks
- Visible ID Markings



Part #	Mfg #	Description	Price
169662	48-22-2032	CAB 3/16", 6" Length	
245665	48-22-2832	3/16" - 6"	
245666	48-22-2833	3/16" - 8"	

### #1 Square Screwdriver

- Forged tool shanks
- Visible ID Markings



Part #	Mfg #	Description	Price
245667	48-22-2851	#1 Square - 3"	

### Compact 8-in-1 Multi Bit Driver

- Power groove bits for power tool compatibility and jobsite versatility
- Precision machined bit tips: durable tips for secure fitment
- Wrench ready: Hex shanks for additional leverage
- Chrome plated bits



Part #	Mfg #	Description	Price
174829	48-22-2120	3.5" Length	

### 10-in-1 SAE HEX Key Driver

- 3-1/2" Power groove bits for power tool compatibility
- Revolver style bit storage and selection
- Up to 10ga wire stripper and loop maker
- Includes:
  - (1) 10IN1 Handle
  - (1) 3 1/2" HEX x 1/4"
  - (1) 3 1/2" HEX x 1/8"
  - (1) 3 1/2" HEX x 3/16"
  - (1) 3 1/2" HEX x 5/32"
  - (1) 3 1/2" HEX x 7/32"
  - (1) 3 1/2" HEX x 7/64"
  - (1) 3 1/2" HEX x 9/64"



Part #	Mfg #	Description	Price
163154	48-22-2104	10-in-1 SAE HEX Key Driver	

## Screwdrivers & Bits

### 10-in-1 Metric HEX Key Driver

- 3-1/2" Power groove bits for power tool compatibility
- Revolver style bit storage and selection
- Up to 10ga wire stripper and loop maker
- Includes:
  - (1) 10IN1 Handle
  - (1) 3 1/2" HEX x 1.5mm
  - (1) 3 1/2" HEX x 2mm
  - (1) 3 1/2" HEX x 2.5mm
  - (1) 3 1/2" HEX x 3mm
  - (1) 3 1/2" HEX x 4mm
  - (1) 3 1/2" HEX x 5mm
  - (1) 3 1/2" HEX x 6mm



Part #	Mfg #	Description	Price
163155	48-22-2106	10-in1 Metric HEX Key Driver	

### 10-in-1 ECX™ Multi Bit Driver

- 3-1/2" Power groove bits for power tool compatibility
- Revolver style bit storage and selection
- Up to 10ga wire stripper and loop maker
- Includes:
  - (1) 10IN1 Handle
  - (1) 3-1/2" ECX™ #1
  - (1) 3-1/2" ECX™ #2
  - (1) 3-1/2" Phillips #1
  - (1) 3-1/2" Phillips #2
  - (1) 3-1/2" Slotted 1/4"
  - (1) 3-1/2" Slotted 3/16"
  - (1) 3-1/2" Square Drive #2



Part #	Mfg #	Description	Price
161629	48-22-2101	10-in-1 ECX Multi Bit Driver	

### 10-in-1 TORX® Key Driver

- 3-1/2" Power groove bits for power tool compatibility
- Revolver style bit storage and selection
- Up to 10ga wire stripper and loop maker
- Includes:
  - (1) 10IN1 Handle
  - (1) 3 1/2" TORX® T8
  - (1) 3 1/2" TORX® T10
  - (1) 3 1/2" TORX® T15
  - (1) 3 1/2" TORX® T20
  - (1) 3 1/2" TORX® T25
  - (1) 3 1/2" TORX® T27
  - (1) 3 1/2" TORX® T30



Part #	Mfg #	Description	Price
162804	48-22-2103	10-in-1 TORX® Key Driver	

### Compact 8-in-1 Ratchet Multi Bit Driver

- All metal ratchet
- Power groove bits for power tool compatibility
- Precision machined bit tips
- Includes:
  - (1) Compact 8IN1 Ratchet handle
  - (1) 1-1/2" Phillips #1 power groove bit
  - (1) 1-1/2" Phillips #2 power groove bit
  - (1) 1-1/2" Slotted 1/16" power groove bit
  - (1) 1-1/2" Slotted 3/32" power groove bit
  - (1) 1-1/2" Square recess #1 power groove bit
  - (1) 1-1/2" Square recess #2 power groove bit
  - (1) 1-1/2" TORX® 15 power groove bit



Part #	Mfg #	Description	Price
171804	48-22-2320	8-in-1 Ratchet Multi Bit Driver	

### 10-in-1 Square Drive Multi Bit Driver

- 3-1/2" Power groove bits for power tool compatibility
- Revolver style bit storage and selection
- Up to 10ga wire stripper and loop maker
- Includes:
  - (1) 10IN1 Handle
  - (1) 3-1/2" Phillips #1
  - (1) 3-1/2" Phillips #2
  - (1) 3-1/2" Slotted 1/4"
  - (1) 3-1/2" Slotted 3/16"
  - (1) 3-1/2" Square drive #1
  - (1) 3-1/2" Square drive #2
  - (1) 3-1/2" Square drive #3



Part #	Mfg #	Description	Price
170691	48-22-2102	10-in1 Multi Bit Driver	

### 10-in1 Square Drive Ratcheting Multi Bit Driver

- All metal high torque ratchet
- 3 1/2" Power groove bits for power tool compatibility
- Revolver style bit storage and selection
- Up to 10ga wire stripper and loop maker
- Includes:
  - (1) 10in1 Ratchet handle
  - (1) 3 1/2" Phillips #1
  - (1) 3 1/2" Phillips #2
  - (1) 3 1/2" Slotted 1/4"
  - (1) 3 1/2" Slotted 3/16"
  - (1) 3 1/2" Square drive #1
  - (1) 3 1/2" Square drive #2
  - (1) 3 1/2" Square drive #3



Part #	Mfg #	Description	Price
169218	48-22-2302	10-in-1 Ratcheting Multi Bit	

## Screwdrivers & Bits

### 10-in-1 ECX™ Ratcheting Multi Bit Driver

- All metal high torque ratchet
- 3 1/2" Power groove bits for power tool compatibility
- Revolver style bit storage and selection
- Up to 10ga wire stripper and loop maker

- Includes:
  - (1) 10IN1 Ratchet handle
  - (1) 3 1/2" ECX™ #1
  - (1) 3 1/2" ECX™ #2
  - (1) 3 1/2" Phillips #1
  - (1) 3 1/2" Phillips #2
  - (1) 3 1/2" Slotted 1/4"
  - (1) 3 1/2" Slotted 3/16"
  - (1) 3 1/2" Square Drive #2



Part #	Mfg #	Description	Price
162815	48-22-2301	10-in-1 Multi Bit Driver	

### 11-in-1 ECX™ Screwdriver

- Includes:
  - (1) Phillips #1
  - (1) Phillips #2
  - (1) Slotted 3/16"
  - (1) Slotted 1/4"
  - (1) Square #1
  - (1) Square #2
  - (1) ECX (TM) #1
  - (1) ECX (TM) #2
  - (1) 1/4" Nut Driver
  - (1) 3/8" Nut Driver
  - (1) Loop Maker



Part #	Mfg #	Description	Price
239242	48-22-2760	Multi-Use Screwdriver	

### Demo Driver

- All metal core
- Multiple strike surfaces
- Aggressive duct piercing tip



Part #	Mfg #	Description	Price
243684	48-22-2860	Demo Driver	

### 2 PC Demo Drivers with Steel Caps

- Heat treated steel cap
- Wrench ready HEX shanks
- Visible ID markings



Part #	Mfg #	Description	Price
175495	48-22-2002	2 PC Demo Set	

### 4 PC Precision Screwdriver Set

- All metal cores: up to 4x stronger
- Precision machined driving tips
- Longer shanks
- 360° rotating back caps
- Includes:
  - (1) Phillip #1 -4"
  - (1) Slotted 1/16" - 2 1/2"
  - (1) Slotted 3/32" - 2 1/2"
  - (1) Slotted 1/8" 3 1/2" Slotted



Part #	Mfg #	Description	Price
171805	48-22-2604	4 PC Precision Screwdriver Set	

### 6 PC Precision Screwdriver Set

- All metal cores: up to 4x stronger
- Precision machined driving tips
- Longer shanks
- 360° rotating back caps



Part #	Mfg #	Description	Price
172872	48-22-2606	6 PC Precision Screwdriver Set	

## Screwdrivers & Bits

### 6 PC TORX® Precision Screwdriver Set

- All metal cores: Up to 4X Stronger
- Precision machined driving tips
- Longer shanks for improved visibility and extended reach
- 360-degree rotating back caps
- Color coded markings
- Chrome plated shanks
- Durable case with robust zipper



Part #	Mfg #	Description	Price
174831	48-22-2610	6 PC TORX® Precision	

### 6 Pc Screwdriver Set

- Heat treated steel cap
- Wrench ready HEX shanks
- Forged tool shanks
- Wire bending hole
- Wire Stripper
- Visible ID Markings



Part #	Mfg #	Description	Price
175841	48-22-2006	6 Piece Screwdriver Set	

### 8 PC Screwdriver Kit with ECX

- Includes:
  - (1) ECX (TM) #1
  - (1) ECX (TM) #2
  - (1) Phillips #1 x 3"
  - (1) Phillips #2 x 4"
  - (1) Phillips #2 x 6"
  - (1) Slotted 1/4" x 4"
  - (1) Slotted 3/16" x 6"
  - (1) Slotted 5/16" x 6"



Part #	Mfg #	Description	Price
239239	48-22-2708	8 PC Kit w/ ECX	

### 8 PC Screwdriver Kit with Square Recess



Part #	Mfg #	Description	Price
239240	48-22-2718	8 PC kit w/ Square Recess	

### 3-Pc 1000V Insulated Screwdriver Set

- Flame retardant & impact resistant handle and shank
- UL® Classified
- Meets OSHA Insulated Tool Standard
- VDE & GS Certified
- Visible ID Markings
- Dual Layer Insulation
- Includes:
  - (1) #2 Phillips - 4" 1000V Insulated Screwdriver (48-22-2212)
  - (1) 1/4" Slotted - 6" 1000V Insulated Screwdriver (48-22-2221)
  - (1) #1 ECX™ - 4" 1000V Insulated Screwdriver (48-22-2241)



Part #	Mfg #	Description	Price
231074	48-22-2202	3Pc Insulated	

### 7 Pc Hollow Shaft SAE Nut Driver Set

- Includes:
  - (1) 1/4" Hollow Shaft Nut Driver (48-22-2421)
  - (1) 5/16" Hollow Shaft Nut Driver (48-22-2422)
  - (1) 11/32" Hollow Shaft Nut Driver (48-22-2423)
  - (1) 3/8" Hollow Shaft Nut Driver (48-22-2424)
  - (1) 7/16" Hollow Shaft Nut Driver (48-22-2425)
  - (1) 1/2" Hollow Shaft Nut Driver (48-22-2426)
  - (1) 9/16" Hollow Shaft Nut Driver (48-22-2427)



Part #	Mfg #	Description	Price
221061	48-22-2407	7Pc Set	



## Screwdrivers & Bits

### 4Pc Pry Bar Set

- I-Beam design: up to 40% stronger
- All-metal core
- Hammer-ready strike cap
- Comfortable tri-lobe handles
- Chrome finish
- Easy-access storage tray
- Lifetime guarantee



Part #	Mfg #	Description	Price
243159	48-22-9214	8", 12", 18", 24"	

### Nut Drivers

#### Hollow Shaft Nut Driver

- Universal driver head fits 4X more fasteners
- Removes rusted and stripped bolts
- 3" Hollow shaft depth
- Wrench ready HEX shanks
- Chrome plated
- Forged steel shanks
- Deep well sockets
- Multiple ID markings



Part#	Mfg#	Size	Price
163305	48-22-2421	1/4"	
163306	48-22-2422	5/16"	

#### HollowCore™ Magnetic Nut Driver

- HollowCore™ unlimited depth
- Magnetic drivers
- Universal driver head fits 4X more fasteners
- Removes rusted and stripped bolts
- Color coded ID markings
- Wrench ready HEX shanks
- Chrome plated
- Forged steel shanks
- Deep well sockets



Part#	Mfg#	Size	Price
162644	48-22-2521	1/4"	
162645	48-22-2522	5/16"	
162646	48-22-2524	3/8"	
162817	48-22-2525	7/16"	
162818	48-22-2526	1/2"	
162819	48-22-2527	9/16"	
162816	48-22-2523	11/32"	

### 2PC SAE Hollow Shaft Nut Driver Set

- Universal driver head fits 4X more fasteners
- Removes rusted and stripped bolts
- 3" Hollow shaft depth
- Wrench ready HEX shanks
- Chrome Plated
- Multiple ID markings



Part #	Mfg #	Description	Price
163307	48-22-2402	2-Pc HollowCore Driver	

### 2 PC SAE HollowCore™ Magnetic Nut Driver Set

- HollowCore™
- Magnetic drivers
- Universal driver head fits 4X more fasteners
- Removes rusted and stripped bolts
- Color coded ID markings
- Wrench ready HEX shanks
- Chrome plated
- Forged steel shanks
- Deep well sockets



Part #	Mfg #	Description	Price
162394	48-22-2502	2-Pc Nut Driver Set	

### 7 Pc Hollow Shaft Metric Nut Driver Set

- Includes:
  - 5 mm (48-22-2431)
  - 5.5mm (48-22-2432)
  - 6mm (48-22-2433)
  - 7mm (48-22-2434)
  - 8mm (48-22-2435)
  - 10mm (48-22-2436)
  - 13mm (48-22-2437)
  - 9/16" Driver
- 3" Hollow shaft depth
- Forged steel HEX shanks



Part #	Mfg #	Description	Price
241916	48-22-2417	7 Pc Nut Driver Set	

## Screwdrivers & Bits

### 7 PC Magnetic HollowCore™ SAE Nut Driver Set

- Universal driver head fits 4X more fasteners
- Removes rusted and stripped bolts
- Color coded ID markings
- Wrench ready HEX shanks
- Chrome plated
- Forged steel shanks
- Deep well sockets
- Includes 9/16" driver



Part #	Mfg #	Description	Price
161964	48-22-2507	7-Pc Nut Driver Set	
242650	48-22-2517	7-Pc Nut Driver Set	

### Shockwave® Impact Duty™ Bits

- Steel heat treated to control hardness
- Forged tip for maximum grip
- Geometric design provides the shock absorption zone

#### Shockwave® Reduced Diameter Dry wall Phillips Insert Bit



Part #	Mfg #	Dia	Lgth	Pkg Qty	Phillips	Price
141257	48-32-4444	1/4"	1"	2	#2	

### Shockwave™ Impact Locking Bit Holder

- Dual magnets
- Optimized shockzone
- Auto-locking design:  
—Fits all inserts and 1/4" HEX bits
- Quick release collar  
—One handed bit changes



Part #	Mfg #	Dia	Lgth	Pkg Qty	Phillips	Price
244547	48-32-4531	1/4"	2.875"	1	-	
241968	48-32-4533	1/4"	12"	1	-	

### Shockwave® Impact Duty™ Phillips Insert Bit



Part #	Mfg #	Dia	Lgth	Pkg Qty	Phillips	Price
141251	48-32-4411	1/4"	1"	2	#1	
141255	48-32-4601	1/4"	1"	5	#2	
141256	48-32-4413	1/4"	1"	2	#3	
141254	48-32-4412	1/4"	1"	2	#2	

### Shockwave® Impact Duty™ Phillips Power Bit



Part #	Mfg #	Dia	Lgth	Pkg Qty	Phillips	Price
141259	48-32-4602	1/4"	2"	5	#2	
164161	48-32-4461	1/4"	2"	1	#1	

### Shockwave® Impact Duty™ Square Recess Insert Bit



48-32-4421



48-32-4471

Part #	Mfg #	Dia	Lgth	Pkg Qty	Phillips	Price
141262	48-32-4421	1/4"	1"	2	#1	
141266	48-32-4471	1/4"	2"	1	#1	
141263	48-32-4422	1/4"	1"	2	#2	
141265	48-32-4605	1/4"	1"	5	#2	
141268	48-32-4606	1/4"	2"	5	#2	
141264	48-32-4423	1/4"	1"	2	#3	
141269	48-32-4473	1/4"	2"	1	#3	
141270	48-32-4572	1/4"	3-1/2"	1	#2	

### Shockwave® Torx® Power Bit



Part #	Mfg #	Dia	Lgth	Pkg Qty	Torx	Price
164162	48-32-4482	1/4"	2"	T10		
141271	48-32-4483	1/4"	2"	1	T15	
164163	48-32-4486	1/4"	2"	T27		
141274	48-32-4487	1/4"	2"	1	T30	



## Screwdrivers & Bits

### Shockwave® Impact Torx® Power Bit

- OPTIMIZED SHOCKZONE™
- PRECISE FIT CUSTOM MACHINED TIP™
- CUSTOM ALLOY76™ STEEL



Part #	Mfg #	Lgth	Pkg Qty	Torx	Price
164166	48-32-4436	1"	2	T25	
141273	48-32-4485	2"	1	T25	
219698	48-32-4561	3-1/2"	1	T25	

### SHOCKWAVE™ Impact Phillips Power Bit

- OPTIMIZED SHOCKZONE™
- PRECISE FIT CUSTOM MACHINED TIP™
- CUSTOM ALLOY76™ STEEL



Part#	Mfg#	Drive Size	Length	Pk Qty	Price
164171	48-32-4604	2	1"	25	
182487	48-32-4762	2	2"	25	
141258	48-32-4462	2	2"	1	
164174	48-32-4564	2	3-1/2"	5	
141261	48-32-4562	2	3-1/2"	1	
164175	48-32-4802	2	6"	1	
164164	48-32-4563	3	3-1/2"	1	

### SHOCKWAVE™ Impact Square Recess Power Bit

- OPTIMIZED SHOCKZONE™
- PRECISE FIT CUSTOM MACHINED TIP™
- CUSTOM ALLOY76™ STEEL



Part#	Mfg#	Drive Size	Length	Pk Qty	Price
164165	48-32-4573	3	3-1/2"	1	

### Shockwave® Bit Sets

#### 22-Piece Shockwave® Puck Bit Dispenser

- Includes:
  - Magnetic bit holder
  - Phillips: (1) #1, (3) #2, (2) #3
  - Square recess: (1) #1, (3) #2, (1) #3
  - Torx: (1) T10, (1) T15, (1) T20, (1) T25, (1) T27, (1) T30
  - Slotted: (1) 1/8", (1) 3/16", (1) 1/4", (1) 9/32"



Part #	Mfg #	Description	Price
143668	48-32-4011	22-Piece Puck Bit Dispenser	

#### 7 Pc TORX® Insert Bit Kit

- Kit includes:
  - (1) TORX® Bit 1" T10
  - (1) TORX® Bit 1" T15
  - (1) TORX® Bit 1" T20
  - (1) TORX® Bit 1" T25
  - (1) TORX® Bit 1" T27
  - (1) TORX® Bit 1" T30
  - (1) TORX® Bit 1" T40

Part #	Mfg #	Description	Price
164159	48-32-4615	7-Piece	

### Right Angle Drive Unit

- For use with Milwaukee 1/2" d-handle drills
- Provides 2 additional drilling speeds
- Includes coupling No. 42-90-0175 for 0234-6 and 0244-1
- For 50% more torque or 50% more speed



Part #	Mfg #	Description	Price
162598	48-06-2871	Right Angle Drive Unit	

### 11-Piece Shockwave® Impact Duty™ 30° Knuckle™ Pivoting Bit Holder Bit Set

- Locks at 0° or 30° angle
- Maximum torque: 2,000 in-lbs
- Includes:
  - Phillips bits: 1" P Shockwave® 30° Knuckle™ pivoting bit holder 1, P2 & P3
  - Square bits: 1" SQ1 & SQ2
  - Slotted bits: 1" SL1/8", SL 3/16", SL 1/4", SL9/32"
  - Torx® bits: 1" T25



Part #	Mfg #	Description	Price
146101	48-32-2301	11-Pc Bit Set & Knuckle Bit Holder	

## Screwdrivers & Bits

### Shockwave® Nut Drivers

#### Shockwave® Magnetic Nut Driver

- Steel heat treated to control hardness
- Color-coded rings for size identification
- Chamfered edge



Part #	Mfg #	Size	Pkg Qty	Price
141231	49-66-4502	1/4" x 1-7/8"	1	
141243	49-66-4522	1/4" x 1-7/8"	3	
141247	49-66-4532	1/4" x 2-9/16"	1	
228380	49-66-4732	1/4" x 2-9/16"	10	
140360	49-66-4503	5/16" x 1-7/8"	1	
141244	49-66-4523	5/16" x 1-7/8"	3	
228381	49-66-4733	5/16" x 2-9/16"	10	
141248	49-66-4533	5/16" x 2-9/16"	1	
141245	49-66-4525	3/8" x 1-7/8"	3	
141249	49-66-4535	3/8" x 2-9/19"	1	
141246	49-66-4526	7/16" x 1-7/8"	3	
141250	49-66-4536	7/16" x 2-9/16"	1	
164177	49-66-4537	1/2" x 2-9/16"	1	
141234	49-66-4505	3/8" x 1-7/8"	1	

#### Set



Part #	Mfg #	Size	Pkg Qty	Price
141241	49-66-4562	1-7/8"	4	
141237	49-66-4561	1-7/8"	3	

### SHOCKWAVE™ 1/4" Hex Adapter SQ 3/8"

- Proprietary steel and heat treat process for maximum strength and durability
- Heavy duty construction for fastening capabilities in all impacts



Part #	Mfg #	Description	Price
153737	48-03-4405	1/4" Hex Adapter SQ 3/8"	

### SHOCKWAVE™ 1/2" Square to 1/4" Hex Adapter

- Proprietary steel and heat treat process for maximum strength and durability
- Heavy duty construction for fastening capabilities in all impacts



Part #	Mfg #	Description	Price
164154	48-03-4410	SHOCKWAVE™ 1/2" Square to 1/4" Hex Adapter	

### SHOCKWAVE™ Square Socket Adapter

- Proprietary steel and heat treat process
- Heavy duty construction



Part #	Mfg #	Description	Price
164155	48-32-5030	1/4" Hex to 1/4" Square Socket	
154029	48-32-5031	1/4" Hex to 3/8" Square Socket	
164157	48-32-5032	1/4" Hex to 1/2" Square Socket	

### Bit Sets

#### 38-Piece Universal Quik-Lok™ Drill & Drive Set

- Made of premium grade S2 tool steel
- Titanium hex shank bits
- Magnetic nut drivers



Part #	Mfg #	Description	Price
138409	48-32-1500	38Pc Quick-Lok™ Drill & Drive Set	

#### 4-Piece Universal Replacement Bit Set

- Includes:
  - ECX Bit #1 & #2
  - Phillips #1 & #2
  - Slotted 3/16" & 1/4"
  - Square #1 & #2



Part #	Mfg #	Description	Price
142609	48-22-2110	4-Pc Replacement Bit Set	



## Screwdrivers & Bits

### Installation Kit for Concrete Screws

- (1) 1/4" Hex Drive Bit
- (1) 3/16" x 7" with 1/4" Hex Rotary Hammer Drill Bit
- (1) 5/16" Hex Drive Bit
- (1) 5/32" x 7" with 1/4" Hex Rotary Hammer Drill Bit
- (1) Drive Sleeve
- (1) #2 Phillips Driver Bit
- (1) #3 Phillips Driver Bit



Part #	Mfg #	Description	Price
169685	48-20-7497	6-Pc Set	

### SHOCKWAVE™ Impact Duty Drill & Drive Set

- Custom machine tip
- Custom alloy 76 steel
- 60 Piece kit include:
  - (1) Compact bit holder
  - (1) 6" Bit holder
  - Socket Adapter: 3/8"
  - Magnetic nut drivers: 1/4" & 5/16"
  - Hex drill bits: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4"
  - Double ended power bits: PH2/SQ2, PH2/T25, PH2/SL#10, T20/T25
  - Insert driver bits: PH1, (6) PH2, PR2, (2) PH3, SQ1, (3) SQ2, SQ3, T10, T15, (2) T20, (3) T25, T30, SL#6, SL#10, Hex 3/16", Hex 1/4"
  - 2" Power Bits: PH1, (4) PH2, (2) PH3, SQ1, (3) SQ2, SQ3, (2) T20, (2) T25, T30, SL#10



Part #	Mfg #	Description	Price
241621	48-32-4029	60-Pc Set	

## Screwdrivers & Bits

### Screwdrivers

#### Regular Grip Screwdriver - Electrical Style



Part #	Mfg #	Blade Dia	Blade Length	Price
006380	C22M	1/8"	2"	

### Nut Drivers

#### CONNEXT™ Pre-Assembled Magnetic Hex Driver - Long Lengths



- CONNEXT™ Quick change handles
- Magnetic hex chuck driver shaft components
- Use with Zip-In® and "A" hex head screws

Part #	Mfg #	Hex Dia	Shaft Length	Grips	Price
006416	HHD1	1/4"	6-7/8"	Red	
006417	HHD2	5/16"	6-7/8"	Yellow	

#### CONNEXT™ Pre-Assembled Magnetic Hex Driver - Standard Lengths



- CONNEXT™ Quick change handles
- Magnetic hex chuck driver shaft components
- Use with Zip-In® and "A" hex head screws

Part #	Mfg #	Hex Dia	Shaft Length	Grips	Price
132792	HHD1S	1/4"	3"	Red	

#### CONNEXT™ Pre-Assembled Magnetic Hex Driver - Stubby



- CONNEXT™ Quick change handle
- Magnetic hex chuck driver shaft components
- Use with Zip-In® and "A" hex head screws

Part #	Mfg #	Hex Dia	Shaft Length	Grips	Price
132795	HHD2T	5/16"	2-1/4"	Yellow	

### Dual-Sided Hex Chuck Driver

- Reversible
- Red: 1/4"
- Yellow: 5/16"



Part #	Mfg #	Hex Dia	Shaft Length	Price
231525	MSHC	1/4"/5/16"	2"	

### Power Bits

#### Phillips Power Bit

- 1/4" Shank diameter



Part #	Mfg #	Point Size	O/A Length	Price
006444	MBLP3	2	1-15/16"	

#### Magnetic Hex Driver Bit



- 1/4" Shank diameter

Part #	Mfg #	Hex Opening	Nose Diameter	Price
006447	MSH1/4	1/4"	7/16"	
006449	MSH5/16	5/16"	1/2"	
006448	MSH3/8	3/8"	9/16"	

#### Long Style Hex Driver Bit



- 1/4" Shank diameter

Part #	Mfg #	Hex Opening	Nose Dia	Qty	Price
006446	MSHL1/4	1/4"	7/16"	1	
025655	MSHL5/16	5/16"	1/2"	1	

#### Extra Long Style Hex Driver Bit



- 1/4" Shank diameter

Part #	Mfg #	Hex Opening	O/A Length	Price
025042	MSHML1/4	1/4"	4"	
023240	MSHXL1/4	1/4"	6"	
096867	MSHXL5/16	5/16"	6"	

### Power Bit Extension

- Ball bearing on holder provides a positive lock on 1/4" hex
- Tempered steel
- Black finish
- 9/16" Nose diameter



Part #	Mfg #	Hex Opening	O/A Length	Price
006378	BHE6	1/4"	6"	
006377	BHE10	1/4"	10"	



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## Screwdrivers & Bits

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### Power Driver Hex Adapters

#### Quick Change Hex Adapter



Part #	Mfg #	Hex Dia	Shank Dia	O/A Length	Price
006407	HAD1	1/4"	3/4"	1-3/4"	



## Screwdrivers & Bits

### Screwdrivers

#### 4-In-One Pocket Mini Screwdriver

- Includes:
  - 3/32" & 1/16" Slotted bit
  - #0 & #000 Phillips bit



Part #	Mfg #	Color	Price
136199	24008	Black/Yellow	

#### 6-In-One Screwdriver

- Includes:
  - 1/4" & 3/16" Slotted bit
  - #1 & #2 Phillips bit
  - 1/4" & 5/16" Hex nut driver



Part #	Mfg #	Color	Price
028106	24006	Red	

## Screwdrivers & Bits

### Cushion Grip Screwdrivers

#### Stubby Heavy-Duty Square Shank Screwdriver - Keystone Tip



Part #	Mfg #	Shank Tip	Shank Length	Overall Length	Price
111152	600-1	1/4"	1-1/2"	3-7/16"	

#### Heavy-Duty Square Shank Screwdriver - Keystone Tip



Part #	Mfg #	Shank Tip	Shank Length	Overall Length	Price
107644	600-4	1/4"	4"	8-11/32"	

#### Round Shank Screwdriver - Cabinet Tip



Part #	Mfg #	Shank Tip	Shank Length	Overall Length	Price
107645	601-6	3/16"	6"	9-3/4"	
115682	601-10	3/16"	10"	13-3/4"	

#### Heavy-Duty Round Shank Screwdriver - Keystone Tip



Part #	Mfg #	Shank Tip	Shank Length	Overall Length	Price
107646	602-6	5/16"	6"	10-15/16"	

#### Miniature Cushion Grip Screwdriver - Phillips Tip



Part #	Mfg #	Tip Size	Shank Length	Overall Length	Price
120232	604-3	#0	3"	5-3/4"	

#### Miniature Cushion Grip Screwdriver - Cabinet Tip



Part #	Mfg #	Tip Size	Shank Length	Overall Length	Price
121303	607-3	3/32"	3"	5-3/4"	
121432	608-4	1/8"	4"	6-3/4"	

#### Stubby Round Shank Screwdriver - Profilated® Phillips Tip



Part #	Mfg #	Point Size	Shank Length	Overall Length	Price
111153	603-1	#2	1-1/2"	3-7/16"	

#### Round Shank Screwdriver - Profilated® Phillips Tip

- B - Wire bending



Part #	Mfg #	Point Size	Shank Length	Overall Length	Price
106813	603-4	#2	4"	8-5/16"	
114527	603-6	#3	6"	11"	
115681	603-10	#2	10"	14-5/16"	

### Cushion Grip Screwdriver Sets

#### 4-Piece Mini Cushion Grip Screwdriver Set

- Includes:
  - 604-3 Phillips tip #0
  - 606-2 Keystone tip 1/16"
  - 607-3 Cabinet tip 3/32"
  - 608-3 Cabinet tip 1/8"



Part #	Mfg #	Description	Price
106815	85484	4-Piece Mini Driver Set	



## Screwdrivers & Bits

### 8-Piece Cushion Grip Screwdriver Set

- Includes (1) cabinet-tip, (3) keystone-tip, (4) Phillips-tip screwdrivers in styles:

- 600-1
- 601-3
- 600-4
- 602-6
- 603-1
- 603-3
- 603-4
- 603-6



Part #	Mfg #	Description	Price
113764	85078	8-Piece Set	

### Screw-Holding Screwdrivers Slotted Screw-Holding Screwdriver



Part #	Mfg #	Shank Tip	Shank Length	Overall Length	Price
106814	K36	1/4"	6"	9-3/4"	

### Cushion Grip Nut Drivers

#### Stubby Nut Driver - 1-1/2" Hollow Shank

- Full hollow shank for long bolts or studs
- Meets or exceeds applicable AMSE/ANSI specifications



Part #	Mfg #	Size	Price
106819	610-1/4	1/4"	
106820	610-5/16	5/16"	

#### Magnetic Tip Stubby Nut Driver - 1-1/2" Hollow Shank

- Rare Earth magnetic tip
- Full hollow shank for long bolts or studs
- Meets or exceeds applicable AMSE/ANSI specifications



Part #	Mfg #	Size	Price
109254	610-1/4M	1/4"	
109255	610-5/16M	5/16"	

### Magnetic Tip Nut Driver - 3" Hollow Shank

- Rare Earth magnetic tip
- Handle end is color-coded for easy identification
- Chrome-plated



Part #	Mfg #	Size	Price
109256	630-1/4M	1/4"	
109257	630-5/16M	5/16"	

### Nut Driver - 3" Hollow Shank

- Standard length for most applications
- Fits over long bolts and studs



Part #	Mfg #	Size	Price
106818	630-1/4	1/4"	
106817	630-5/16	5/16"	
111184	630-3/8	3/8"	
111185	630-7/16	7/16"	
111183	630-1/2	1/2"	
111154	630-5/8	5/8"	

### Magnetic Tip Nut Driver - 6" Hollow Shank

- Rare Earth magnetic tip
- Handle end is color-coded for easy identification
- Chrome-plated



Part #	Mfg #	Hex Size	Shaft Lgth	Price
110347	646-1/4M	1/4"	6"	
110346	646-5/16M	5/16"	6"	
112223	618-5/16M	5/16"	18"	

### Cushion Grip Nut Driver Sets

#### Magnetic Tip Stubby Nut Driver Set - 1-1/2" Hollow Shank

- Full hollow shank for long bolts or studs
- Meets or exceeds applicable AMSE / ANSI specifications



Part #	Mfg #	Description	Price
125143	610M	1/4" & 5/16"	

## Screwdrivers & Bits

### Magnetic Tip Nut Driver Set - 3" Hollow Shank

- Rare Earth magnetic tip
- Cushion grip handle
- Color-coded handle end
- Internal flanges provide solid, twist-resistant shaft anchor
- Chrome-plated shaft helps prevent corrosion



Part #	Mfg #	Description	Price
125644	630M	1/4" & 5/16"	

### Magnetic Tip Nut Driver Set - 6" Hollow Shank

- Rare Earth magnetic tip
- Handle end is color-coded for easy identification
- Chrome-plated



Part #	Mfg #	Description	Price
106816	646M	1/4" & 5/16"	

### 4-Piece Nut Driver Set - 3" Hollow Shank

- Color-coded handle end
- Cushion grip handle
- Chrome-plated
- Internal flanges provide solid, twist-resistant shaft anchor



Part #	Mfg #	Description	Price
141334	633	1/4", 5/16", 3/8" & 9/16"	

### 7-Piece Magnetic Tip Cushion Grip Nut Driver Set



Part #	Mfg #	Description	Price
111285	631M	3" Shank	

### Screwdriver/Nut Driver Combinations

#### 10-in-1 Screwdriver/Nut Driver

- End of handle is marked to quickly identify tool
- Includes:
  - 5/16" & 1/4" Nut drivers
  - #1 & #2 Phillips
  - 1/4" & 3/16" Slotted
  - #10 & #15 TORX®
  - #1 & #2 Square-recess
- Cushion grip handle



Part #	Mfg #	Description	Price
107643	32477	10-in-1 Screwdriver/Nut Driver	

#### 11-in-1 Screwdriver/Nut Driver

- End of handle is marked to quickly identify tool
- Includes:
  - 3/8", 5/16" & 1/4" Nut drivers
  - #1 & #2 Phillips
  - 1/4" & 3/16" Slotted
  - #10 & #15 TORX®
  - #1 & #2 Square-recess
- Cushion grip handle



Part #	Mfg #	Description	Price
113299	32500	11-in-1 Screwdriver/Nut Driver	

#### 10-Fold™ 10-in-1 Screwdriver/Nut Driver

- Folding pocket-style 10-in-1 tool with interchangeable bits - (8) screwdriver sizes and (2) nut drivers
- Unfolds and locks at a 180° angle to provide a straight screwdriver
- Blast finish steel bits provide a firm hold to the fastener to reduce cam-out
- Contains:
  - 5/16" & 1/4" Nut drivers
  - #1 & #2 Phillips
  - 1/4" & 3/16" Slotted
  - T10 & T15 TORX
  - #1 & #2 Square-recess



Part #	Mfg #	Description	Price
130688	32535	10-Blade Folding Screwdriver	

## Screwdrivers & Bits

### 11-in-1 Screwdriver/Nut Driver with Valve Removal/ Installation Bit

- Includes a TR-4 Schrader® valve core installation/ removal and core extractor bit
- End of handle is marked to quickly identify tool
- Includes:
  - 3/8", 5/16" & 1/4" Nut drivers
  - #1 & #2 Phillips
  - 1/4" & 3/16" Slotted
  - #1 & #2 Square
  - Schrader valve core removal/ installation - extractor
- Cushion grip handle



Part #	Mfg #	Description	Price
130822	32527	11-in-1 Screwdriver/Nut Driver w/Schrader Valve Core Tool	

### Magnetic Screwdriver with 32-Piece Bit Set

- Non-ratcheting screwdriver
- Tamperproof bit set in block includes:
  - TORX® - T7, T8, T10, T15, T20, T25, T27, T30, and T40
  - Fraction hex - 3/32", 7/64", 1/8", 9/64", 5/32", and 3/16"
  - Metric hex - 2mm, 2.5mm, 3mm, 4mm, and 5mm
  - Spanner - 4, 6, 8, and 10
  - Tri-Wing® - 1, 2, 3, and 4
  - TORQ-SET® - 6, 8, and 10
  - 1/4" Square to 1/4" hex adapter to drive sockets
- Cushion grip handle

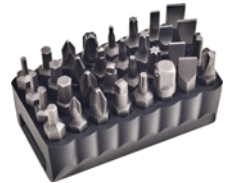


Part #	Mfg #	Description	Price
114766	32510	Screwdriver w/32-Pc Bit Set	

### Drill Bits

#### 32-Piece Standard Tip Bit Set

- Chrome-plated
- Internal flanges
- Heat-treated shaft
- Precision-machined tip
- Patented Tip-Ident® quickly identifies the screwdriver type and tip orientation
- PVC Black block for storage
- Block slides over most screwdriver shafts for easy bit access and installation
- Industrial strength, heat-treated bits
- Includes:
  - Hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16"
  - Phillips bits: #0, #1, #2, and #3
  - Square recess bits: #1, #2 and #3
  - TORX® bits: T6, T7, T8, T10, T15, T20 and T25
  - Slotted bits: 3-4, 5-6, 6-8, 8-10, 10-12, and 12-14
  - Clutch bits: 5/32" and 3/16"
  - 1/4" Square to 1/4" hex adapter to drive sockets



Part #	Mfg #	Description	Price
114768	32526	32-Piece Bit Set	

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## Screwdrivers & Bits

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### Power Bits

#### Phillips Bit



Part #	Mfg #	Description	Price
041954	S41-306	#2 Point, 1/4" Hex, 1" Long	

## Screwdrivers & Bits

### Screwdrivers & Bits

#### 9 in 1 Multi-Tool

- Slip-resistant grip
- Thick-walled shaft
- Included:
  - Bits
  - Valve core remover
  - Square #2
  - 1/2" Hex
  - 5/16" Hex
  - 3/8" Hex
  - Phillips #1 & #2
  - 3/16" and 1/4" slotted



Part #	Mfg #	Description	Price
165766	1839053	9-in-1 Multi-Tool	

### Precision Screwdriver Set

- Comfortable grips
- Maximum precision
  - Rotating head allows for precise adjustments
- Quick identification with easy-to-read tips
- Pouch included for storage
- Includes:
  - #0x3" Phillips, 1/16"x2", 3/32"x3", 1/8"x4", 1/8"x6" Slotted



Part #	Mfg #	Description	Price
174627	1891089	5-Pc Set	

### 3" Shaft Magnetic Nut Drivers

- Secure hold
- Color-coded for quick identification
- Slip-resistant grip
- Hollowed shaft allows for use on long bolts
- Chrome-vanadium steel construction



Part #	Mfg #	Description	Price
171359	1839059	Red, 1/4" x 3"	
171360	1839060	Yellow, 5/16" x 3"	

### 6" Shaft Magnetic Nut Drivers

- Secure hold
- Color-coded for quick identification
- Slip-resistant grip
- Hollowed shaft allows for use on long bolts
- Chrome-vanadium steel construction



Part #	Mfg #	Description	Price
171362	1839068	Red, 1/4" x 6"	
171363	1839069	Yellow, 5/16" x 6"	
171364	1839074	Set of 2, 1/4" & 5/16"	



## Hand Sewer Machines

### Flexicore® Closet Augers

#### Regular Head Closet Auger

- With Flexicore double layer wire rope center



3FL



T6FL

Part #	Mfg #	Description	Price
093674	3FL	3' Flexicore (6/Ctn)	
005064	T6FL	6' Teletube Flexicore	

#### Down Head Closet Auger

- Flexicore double layer wire rope center



3FL-DH



T6FL-DH

Part #	Mfg #	Description	Price
005068	3FL-DH	3' Flexicore	
005063	T6FL-DH	6' Teletube Flexicore	

### Urinal Augers



Part #	Mfg #	Description	Price
038683	TU4	Telescoping Teletube® - 48" Spring (6/Ctn)	

## Hand Sewer Machines

### Petersen Drain Flushers

- Multi-flex™ multiple ply construction, high flow rate flushing
- Flexible for insertion around bends, internal stiffener for easy insertion
- 3/4" Water hose coupling

Petersen



R193400



R193600



R193700

Part #	Mfg #	Description	Price
008378	R193400	102-001 1-1/2" Drain Jet	
008380	R193600	102-003 3" Drain Jet	
008904	R193700	102-004 4" Drain Jet	

### Suction Guns

Part #	Mfg #	Description	Price
080436	R441825	Last Drop Suction Gun	





## Hand Sewer Machines

### Plungers

#### Rubber Plunger

- Includes funnel-shaped cap that is retractable for use in flat sinks



Part #	Mfg #	Type	Handle	Price
183404	312-2	Funnel	20"	




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## Hand Sewer Machines

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### Clog Buster™ Drain Flushers



Part #	Mfg #	Size	Price
002966	CI1123DRAFLU	1-1/2" - 3"	



## Hand Sewer Machines

### Drain Cleaning & Tools

#### Mighty Mini Sink Plunger

- 4" Black rubber cup
- 8" Plastic handle
- Barcode label



Part #	Mfg #	Description	Price
053480	090288	Mighty Mini Sink Plunger	

#### All Angle Power Plunger

- Flexible black rubber cup with 21" yellow handle
- Fully assembled with header card



Part #	Mfg #	Description	Price
041779	090300	Power Plunger	



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## Hand Sewer Machines

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### Plungers



Part #	Mfg #	Description	Price
008174	93-8	Korky® Plunger	



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## Hand Sewer Machines

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### Snake-Oil™

- *Highly recommended for use with all types of cables*



Part #	Mfg #	Description	Price
010265	SOQ-12	1 qt, 12/PK	



## Power Sewer Machines

### Ken-Way Junior Drain Cleaner

- Cleans 1" to 4" drain and process lines
- All steel construction
- Can handle cable sizes 1/4" to 1/2"
- Three drum size options
- Chuckless design speeds cable feeding
- Air powered foot switch
- Heavy-duty 1/4 hp motor
- Dimensions: 14"H x 17-1/2"W x 11"D
- Weight without cable: 24 lbs



Part #	Mfg #	Description	Price
110571	J045	Ken-Way Jr. Drain Cleaner w/Regular Drum & 3/8" x 50' Blade End Cable & Blades	



## Power Sewer Machines

### Super-Vee™ Drain Cleaners

#### Super-Vee™ Drain Cleaner Kit

- Includes:
  - Basic unit (side action chuck, variable speed motor with reversing switch)
  - Case
  - HECS Cutter set
  - (1) Additional cartridge

Part #	Mfg #	Description	Price
019540	SV-C-WC	1/4" x 50' (50HE1) & 3/8" x 35' (35HE2) Cables	

### Mini-Rooter™ Drain Cleaners

#### Mini-Rooter™ Drain Cleaner Kit

- Includes:
  - Basic unit (MR-200 drum, 1/3 hp motor with reverse switch, 10' power cord, ground fault interrupter, waterproof air foot switch, leather gloves and cable)
  - MRCS Cutter set (AH arrow head, BG boring gimlet, 1-1/2" U & 1-1/2" U-cutter, 2" SCB side cutter blade)

Part #	Mfg #	Description	Price
005054	MR-B	75' x 3/8" (75EM2) Cable & MRCS Cutter Set	

#### Mini-Rooter™ Drainer Cleaner Accessories



Part #	Mfg #	Description	Price
028942	MR-W	Mini-Rooter™ Dolly	

### Flexicore Cables

- With male and female connectors 

Part #	Mfg #	Size	Price
005072	50EM2	3/8" x 50'	
027735	100EM5	3/4" x 100'	

### Replacement Cables

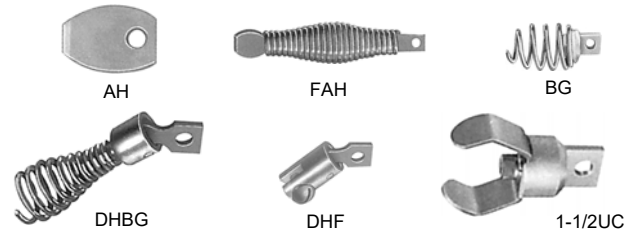


Basin Plug Head

Part #	Mfg #	Description	Price
020328	25HE1	1/4" x 25' w/EI Basin Plug Head	
005073	50HE1	1/4" x 50' w/EI Basin Plug Head	

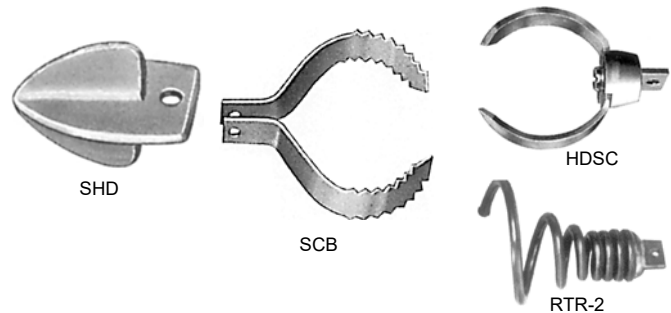
### Cutters

#### Cutters for 3/8" Cable



Part #	Mfg #	Description	Price
005048	AH	Arrow Head	
018911	FAH	Flex Arrow Head	
005049	BG	Boring Gimlet	
005051	DHBG	Down Head Boring Gimlet	
005052	DHF	Down Head Fitting	
005065	1-1/2UC	1-1/2" U-Cutter	

#### Cutters for 5/8" & 3/4" Cable



Part #	Mfg #	Description	Price
019877	SHD	Spear Head Starting Drill	
005069	3SCB	3" Side Cutter Blade - 2-Pc	
005071	4SCB	4" Side Cutter Blade - 2-Pc	
017789	3HDSC	3" Heavy-Duty Side Cutter	
019876	RTR-2	Corkscrew Retrieving Tool	

### Connectors

#### Basic Connector



Part #	Mfg #	Description	Price
019868	5/8FC	5/8" Female, Butt Weld	
019870	3/4FC	3/4" Female, Butt Weld	
005070	3/8E-FC	3/8" Female, For 3/8" EM Cable	
019865	3/8MC	3/8" Male	





## Power Sewer Machines

### Connectors (Continued)

#### Basic Connector

Part #	Mfg #	Description	Price
019867	1/2MC	1/2" Male	
019869	5/8MC	5/8" Male, Butt Weld	
019975	3/4MC	3/4" Male, Butt Weld	

#### Quick Fix Connector



Part #	Mfg #	Description	Price
019860	1/2QF	1/2" Quick Fix	
019862	5/8QF	5/8" Quick Fix	
017788	3/4QF	3/4" Quick Fix	

#### Connector Screw

Part #	Mfg #	Description	Price
019864	5/8CS	5/8", 5-Pack, For Butt Weld	
005050	3/4CS	3/4", 5-Pack, For Butt Weld	

### D-25 Handy™ Drain Cleaner Heads

#### D-25 Handy™ Drain Cleaner Head - Down Head (DH)

- Flexicore™ cable units
- Can be attached to a drill



Part #	Mfg #	Description	Price
095198	D-25-2	1/4" x 25'	

### Flexicore® Wire Rope Center Drain Augers

#### Regular Head less Handle

- Includes rotary handle
- Hand wire only



Part #	Mfg #	Description	Price
043667	L-25FL1	1/4" x 25'	

#### Down Head less Handle

- Includes rotary handle
- Hand wire only



Part #	Mfg #	Description	Price
097172	L-25FL1-DH	1/4" x 25'	

#### Flat Sewer Rods

- Oil tempered - rust ban coated
- Quick-Grip handle
- Roller head



#### Flat Sewer Rod for 4" - 6" Pipe

Part #	Mfg #	Size	Lgth	Price
032705	100D	3/4" x 1/8"	100'	

## Refrigeration Tools

### Service Tools

Part #	Mfg #	Description	Price
181298	18978	Schrader Rethreading Tool	
181299	18979	Broken Schrader Remover	

#### 4-In-1 Seal Kit

- Kit includes:
  - Core
  - Cap
  - Gasket
  - 4 "O"-Rings



Part #	Mfg #	Size	Price
181296	18974	1/4"	

#### 4-In-1 Vacuum/Charge Ball Valve Tool

- 800 psi working pressure



Part #	Mfg #	Size	Side Port	Price
181295	18971	1/4"	No	
181298	18978	1/4"	Yes	
181300	18985	5/16"	No	

#### Gas Retention Valve

- 1/4" Female fl. x 1/4" Male fl.
- 500 psi working pressure
- Back seat valve feature to retain gas in hose when disconnecting
- Closes Schrader before disconnecting



Part #	Mfg #	Size	Price
181302	18993	1/4"	

### Hoses

#### FlexFlow™ Low Loss Adapter Hoses

- 8" Bend radius
- 4,000 psi minimum burst
- 800 psi maximum working pressure
- Operating temperature -20° to 180°F
- 3-Pak includes a yellow, blue, & red hose



#### Compact Ball Valve Assemblies

Part #	Mfg #	Size	Length	Color	Price
181631	29201	1/4"	9"	Blue	
181633	29601	1/4"	9"	Red	
181646	29980	1/4"	9"	3 Pak	

### FlexFlow™ Assemblies

Part #	Mfg #	Size	Length	Color	Price
181564	25002	1/4"	9"	Yellow	
181565	25202	1/4"	9"	Blue	
181566	25602	1/4"	9"	Red	
181620	25980	1/4"	9"	3 Pak	

#### Large VolumePlus II™ Hose (3/8" Fl. Str. x 3/8" Fl. Str.)

- 3,000 psi burst
- 600 psi working pressure
- For vacuum and charging



Part #	Mfg #	Size	Length	Price
181289	14560	3/8"	60"	

#### Plus II™ Heavy Duty Charging/Vacuum Hose

- 8" Bend radius
- 3,000 psi minimum burst
- 600 psi maximum working pressure
- Operating temperature -22° to 176°F



Part #	Mfg #	Size	Length	End Type	Price
181291	15648	3/8"	48"	3/8"StrX3/8"Str	
237904	15660	3/8"	60"	3/8"StrX3/8"Str	
236454	16236	3/8"	36"	3/8"StrX1/4 45°	
181540	19660	3/8"	60"	3/8StrX3/8 45°	

#### Plus II™ Heavy Duty Charging/Vacuum Hose

- 10" Bend radius
- 3,000 psi minimum burst
- 600 psi maximum working pressure
- Operating temperature -22° to 176°F



Part #	Mfg #	Size	Length	End Type	Price
181292	15848	1/2"	48"	1/2" x 1/2"	
181543	20660	3/8"	60"	3/8" x 3/8"	

#### Plus II™ "B" Charging Hose

- 6" Bending radius
- 3,000 psi minimum burst
- 600 psi maximum working pressure
- Operating temperature -20° to 180°F



Part #	Mfg #	Color	Length	End Type	Price
181293	18160	Yellow	60"	3/8Str x 3/8 45°	
181542	20460	Yellow	60"	1/4Str x 1/4 45°	
181630	28060	Red	60"	(3/8) Str FlxStr Fl	

## Refrigeration Tools

### Plus II™ Hose with Compact Ball Valve End

- Full flow valve
- 6" Bending radius
- 4,000 psi minimum burst
- 800 psi maximum working pressure
- Operating temperature -20° to 180°F
- Uses standard gasket and valve opener
- 3-Pak includes a yellow, blue, and red hose



Part #	Mfg #	Size	Length	Color	Price
181647	29985	1/4"	60"	3 Pak	

### Plus II™ Charge Hose w/ Double Barrier Protection

- 6" Bending radius
- 4,000 psi minimum burst
- 800 psi maximum working pressure
- Operating temperature -20° to 180°F
- 3-Pak includes a yellow, blue, and red hose



Part #	Mfg #	Size	Length	Color	Price
181545	21024	1/4"	24"	Yellow	
181376	21060	1/4"	60"	Yellow	
181377	21260	1/4"	60"	Blue	
181546	21312	1/4"	12'	Blue	
181547	21636	1/4"	36"	Red	
181378	21660	1/4"	60"	Red	
181548	21712	1/4"	12'	Red	
181550	21985	1/4"	60"	3 Pak	

### Plus II™ Hose with FlexFlow™ Valve

- 6" Bending radius
- 4,000 psi minimum burst
- 800 psi maximum working pressure
- Operating temperature -20° to 180°F
- Valve handle position shows when valve is opened or closed
- 3-Pak includes a yellow, blue, and red hose



Part #	Mfg #	Size	Length	Color	Price
181606	25060	1/4"	60"	Yellow	
181609	25260	1/4"	60"	Blue	
181610	25660	1/4"	60"	Red	
181623	25983	1/4"	36"	3 Pak	
181625	25984	1/4"	48"	3 Pak	
181627	25986	1/4"	72"	3 Pak	

### Plus II™ Hose with SealRight™ Fitting

- 45° End
- 6" Bending radius
- 4,000 psi minimum burst
- 800 psi maximum working pressure
- Operating temperature -20° to 180°F
- Low loss anti-blow back SealRight™ fitting
- Gaskets resist deterioration from existing CFC, HCFC and HFC refrigerants and oils
- Available with SealRight™ fittings on both ends
- 3-Pak includes a yellow, blue, and red hose



Part #	Mfg #	Size	Length	Color	Price
181556	22060	1/4"	60"	Yellow	
181558	22236	1/4"	36"	Blue	
181559	22260	1/4"	60"	Blue	
181560	22660	1/4"	60"	Red	
181561	22983	1/4"	36"	3 Pak	
181340	22985	1/4"	60"	3 Pak	
181562	22986	1/4"	72"	3 Pak	

### Plus II™ Hose for Flare & Service Ports

- For 5/16" flare (1/2 – 20 thread) service ports for R-410A
- 6" Bending radius
- 4,000 psi minimum burst
- 800 psi maximum working pressure
- Operating temperature -20° to 180°F
- Compatible with both POE and PVE oils
- 3-Pak includes a yellow, blue, and red hose
- Yellow hose has 1/4" (7/16-20) compact ball valve



Part #	Mfg #	Size	Length	Color	Price
181644	29485	1/4"	60"	3 Pak	

## Quick Connects

Part #	Mfg #	Description	Price
181307	19010	CH20 & CH14 for 1/4" Hose	
181310	19011	CH11 Gasket for 3/8" Hose	
181313	19020	CH20 for 1/4-1/2" Acme Hose	
181314	19026	3/8" Quad Ring Pack (10Pk)	
181315	19037	1/4" SealRight O-Ring (10PK)	
181316	19040	SealRight Repair Kit with Valve, Gasket, Plug, Spring, and 2 O-Rings	

## SealRight™ Quick Couplers

Part #	Mfg #	Description	Price
181317	19100	Quick Cplg Set 19109&19209	
181515	19208	45° 1/4"SealRight x 1/4"M Flr	
181516	19209	90° 1/4"SealRight x 1/4"M Flr	

## Refrigeration Tools

### Cylinder Valve Adapter

- Finger tight adapters fit 125 and 145 lb cylinders
- Seal remains seated



Part #	Mfg #	Description	Price
181320	19105	3/4" NPS x 1/4" Male Flare	

### Compact Ball Valve

- 4,000 psi minimum burst
- 800 psi maximum working pressure
- 5/16" for R-410A applications where 5/16" system ports are used



Part #	Mfg #	Description	Price
182367	93825	5/16" for Fml Flr x 1/4" M Flr	
182369	93843	1/4" 45° Compact Ball Valve	

### Vacuum Pump Adapter

- Convert a 3/8" or 1/2" vacuum pump intake into 1/4" and 1/2" Acme R-134a compatible fittings



Part #	Mfg #	Adapter	Flare	Ftgs	Price
181648	36019	3/8"	1/4"	1/2"	

### Auto A/C Fittings Couplers



Part #	Mfg #	Description	Price
181319	19102	R-134a 1/4"Fml QCx3/8"M Flr	
181321	19109	R-12 (1/4") SealRight x M Flr	
181512	19191	R-12 1/4" fe QC x 90° 1/4" M Flr with Shrader	

### Quick Coupler with Schrader Core in Male End



Part #	Mfg #	Description	Price
181380	19173	5/16" QC Fml x 1/4" Male Flr	

### Manifold Gauge Sets Manifold Parts & Accessories

Part #	Mfg #	Description	Price
181726	40279	Manifold Hanging Hook	

### Manifold Gauge Sets (Continued)

#### Manifold Parts & Accessories

Part #	Mfg #	Description	Price
236521	41082	Titan 4-Valve Rebuild Kit	
181364	42001	Series 41 Manifold Only R22/404A/410A	
181809	42004	Series 41 Manifold R22/404A/410A with 60" PLUS II Standard Fittings	

### Brute II™ Test and Charging Manifold

- 1/4" Hi-/lo-sides with 3/8" vacuum port
- Manifold and hose holder fittings: 1/4"-3/8"-1/4"-1/4"
- Front access for easy field recalibration
- Double "O" ring piston
- Contoured color-coded easy-grip handles



Part #	Mfg #	Description	Price
181835	46003	Test and Charging Manifold	

### P51 Series Titan™ Digital Manifold

- Auto shut-off
- USB charging port
- Robust housing
- On board data logging
- 4-way TITAN valve block
- Includes:
  - Vacuum sensor
  - 2 temperature clamps
  - Backpack carrying case
  - Set of four manifold hoses (3 1/4" RYB and 1 3/8" yellow vacuum hose)
- Backlit display with auto-dimming
- Pressure hold mode displays rate of change for both vacuum and positive pressure measurements
- 126 refrigerant profiles stored in the instrument including new blends not currently on the Refprop database
- Maximum working pressure 700 psi
- System superheat and subcooling calculations
- Bluetooth capability for use with ManTooth app
- Re-chargeable battery with battery life indicator
- Displays vapor and liquid saturation temperatures



Part #	Mfg #	Description	Price
246160	P51-870	Titan Digital Manifold	

### Vacuum Gauges

Part #	Mfg #	Description	Price
182267	69071	Gauge Coupler, 1/4" Fml Flr	
182268	69073	Replacement Sensor for Models 69070 and 69075	



## Refrigeration Tools

### Vacuum Gauges (Continued)

Part #	Mfg #	Description	Price
182286	69095	Tee Fitting for 69080	

#### Digital LCD Economy Vacuum Gauge

- Low battery indicator
- Simple On/Off controls
- Calibration standards traceable to NIST
- Sensor handles 450 psi positive pressure
- Automatic battery saver shuts gauge off after 20 minutes with no reading changes
- Includes 9V alkaline battery and hanging hook
- Thermal conductivity sensor automatically compensates for temperature with no calibration



Part #	Mfg #	Description	Price
182282	69080	Battery, Hook, & Pouch Included	

#### Hand-Held Digital Vacuum Gauge

- 12" coiled sensor cord
- Low battery indicator
- Accuracy: +/- 20% of reading
- Automatic shut-off after 20 minutes
- Plug-in sensor (part #69087) handles 450 psi positive pressure
- Calibration standards traceable to NIST
- 32° to 122°F operating temperature range
- Magnetized on back for secure, upright positioning on any magnetized surface
- Displays 7 different units of vacuum (microns, milliTorr, Torr, millimeters of mercury, millibar, kiloPascal and Pascal)
- Thermal conductivity sensor automatically compensates for temperature



Part #	Mfg #	Description	Price
181363	69086	Hand-Held with Carry Pouch	

### Omni™ Digital Vacuum Gauge

- 450 psi proof pressure
- (2) AAA batteries included
- 45° degree bend for fitting
- Audio and visual signal when target vacuum level is reached
- Automatic power down and time out
- Low battery indicator and automatic power-down when inactive
- 32°F to 104°F Working temperature
- Electronic paper display for clear visibility
- Power savings – multiple time-out selections
- Adapter fittings available



Part #	Mfg #	Description	Price
231050	69020	With 1/4" Coupler	

### Superevac™ LCD Vacuum Gauge

- 3 Second response time
- Automatic calibration
- D cell battery power
- Accuracy: ± 20% of reading
- 5-1/2' Coiled sensor cable —1/4" male flare connection
- Calibration standards traceable to NIST
- Case protects electronic circuitry and sensor
- 32° to 120°F Operating temperature range
- Automatic shut-off 20 minutes after power up
- Normal handling/jarring will not affect the LCD reading



Part #	Mfg #	Description	Price
182269	69075	Full Range Complete in Case	

### Vacuum Pumps & Oil

Part #	Mfg #	Description	Price
181303	18997	Grappler Rod/Nut Assy for Vacuum/Charge Valve	
182337	93047	Bullet Drive Coupling with Spider	
182338	93050	Coupling Spider for 93047	

## Refrigeration Tools

### Bullet™ Vacuum Pump

- 28 oz.(7cfm) or 30 oz.(5cfm) oil capacity
- 16.25" L x 6" W x 11.5" H
- 1/4" x 3/8" x 3/8" Intake
- Heavy duty rotors and bearings
- Heavy duty steel handle
- Power cord: 6' motor mounted switch
- Tethered port caps stay with the pump
- Metal with rubber overlay base for stability
- Large oil sight glass for easy monitoring of oil level
- Large brass oil drain for easy access to oil changes
- Intake filter screen keeps damaging particles from entering the pump
- Internal intake check valve prevents oil backup into the system during a power failure
- Wide-mouth oil reservoir port which doubles as pump exhaust-threaded to attach garden hose



Part #	Mfg #	CFM	Volts	HZ	Phase	Price
224708	93605	5	115	60	1	
182366	93600	7	115	60	2	

### Superevac™ CFM Pump

- 34 oz. oil capacity
- 16.25" L x 6" W x 11.5" H
- 1/4" and 3/8" Male flare intake
- Built-in vacuum indicator gauge
- Heavy duty rotors and bearings
- Heavy duty steel handle with lift hook
- Tethered port caps stay with the pump
- Metal with rubber overlay base for stability
- Gas ballast valve keeps oil cleaner and longer
- Large oil sight glass for easy monitoring of oil level
- Large brass oil drain for easy access to oil changes
- Intake filter screen keeps damaging particles from entering the pump
- Internal intake check valve prevents oil backup into the system during a power failure
- Wide-mouth oil reservoir port which doubles as pump exhaust-threaded to attach garden hose



Part #	Mfg #	CFM	Volts	HZ	Phase	Price
181344	96560	6	115	60	1	

### Vacuum Pump Oil

- Recommend using the current mineral-based pump oil when working with both R-12 and R-134a A/C systems



Part #	Mfg #	Size	Qty Per Case	Price
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### Vacuum Pumps & Oil (Continued)

#### Vacuum Pump Oil

Part #	Mfg #	Size	Qty Per Case	Price
181362	93092	Quart	12	
193501	93096	Gallon	6	

### Miscellaneous Tools

Part #	Mfg #	Description	Price
181538	19302	CH14 Openers, 10 Pak	

### Deluxe Ratchet Hand Bender Kit

- Reverse bending mandrel
- Index marks to locate bends
- Trouble free ratchet mechanism
- Quick change bending mandrels and shoes
- Hard copper must be annealed before bending
- Complete tube bender kit includes all items required to bend 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8" tubing



Part #	Mfg #	Description	Price
214566	60325	Ratchet Hand Bender Kit	

### Digital Electronic Charging Scale

- Mechanical overload protection and "OL" alert on LCD
- Minus (-) reading shows weight removed from the platform
- Single point load cell strain gauge
- Removable control module on retractable 5' coiled cord
- Calibration standards traceable to NIST
- Convert standard 68802 and 68800 scales to programmable with upgrade kits 68804 and 68805



Part #	Mfg #	Description	Price
182255	68802	Electronic Scale 110 lbs.	

## Refrigeration Tools

### Mini-Split Tool Kit

- Includes R-410A service tools and:
- Heat pump manifold  
—Designed to handle all mini-split refrigerants & pressures
- 60" PLUS II Hoses  
—4,000 psi minimum burst  
—800 psi Max working pressure  
—RYB 1/4" with 1/4" flare fittings
- Eccentric cone flare tool  
—For 3/16" to 3/4" O.D. tubing
- Hex key set  
—5/32", 3/16", 5mm and 6mm
- Vacuum/charge valve with side port  
—5/16" x 1/4" x 1/4" (18986)
- Adjustable metric torque wrench  
—16, 17, 21, 22, 24, 26, 27, & 29 mm flare nuts
- 45° R-410A coupler 5/16" fml quick coupler x 1/4" m flr
- Tube cutter and deburring tool
- 16" Tool bag  
—Nylon, strap included, 25 pockets



### Recovery Machine Components and Parts (Continued)

Part #	Mfg #	Description	Price
213654	95730	YJ-LTE Refrigerant Recovery System	
181361	95760	RecoverXLT 115V/60 Hz	

Part #	Mfg #	Description	Price
182248	60991	R-22/407C/410A Heat Pump Manifold	

### Repair Parts Kit

- Five 1/8" gaskets
- Five 1/8" valve openers
- One hundred 3/16"-1/4" gaskets
- Ten 1/4" Adjust-a-Valve openers
- Ten 1/4" flat valve openers
- Ten 3/8" gaskets
- Ten 1/2"-5/8" gaskets
- Ten cylinder valve flat gaskets
- Ten SealRight™ "O" rings
- Four SealRight™ plug and seal assemblies
- Four 1/4" SealRight™ nut and clip



Part #	Mfg #	Description	Price
181305	19003	Complete Kit	

### Recovery Machine Components and Parts

Part #	Mfg #	Description	Price
188504	67002	ManTooth PT Dual with Rubber Boot (tethered)	
226828	67020	ManTooth V (Vacuum-only) w/ Side Grip	
226830	67023	ManTooth PTV Dual w/ Side Grip	
182379	95231	Piston Cup	
182380	95325	High Pressure Switch	
238680	95338	Low Pressure Switch	
238681	95451	High Pressure Gauge	



## Sheet Metal Tools

### Snips for Metal and Vinyl

#### Max2000™ Aviation Snips

- An adjustable crossover disk assures an optimal length of cut that remains smooth and accurate
- Machined serrations on outside face of cutting edge
- Thicker, stronger steel handle resists abuse and will not collapse under normal use
- Length: 10-3/4"



Part #	Mfg #	Description	Price
032962	M2001	Cuts Left, Red Ergonomic Grip	
032963	M2002	Cuts Right, Green Ergonomic Grip	
032964	M2003	Combination, Yellow Ergonomic Grip	

#### Max2000™ Bulldog Aviation Snips

- Designed for notching and trimming
- Ideal for cutting multiple layers or "S" cleats



Part #	Mfg #	Description	Price
032965	M2005	Red Ergonomic Grip	

### Max2000™ Offset Aviation Snips

- Cuts straight line and 5" diameter circles



Part #	Mfg #	Description	Price
036461	M2006	Cuts Offset Left, Red Ergonomic Grip	
036462	M2007	Cuts Offset Right, Green Ergonomic Grip	

### Andy™ Classic Snips

- Suitable for mild curve cuts, straight shearing, or cutting multiple layers of sheet metal
- Lightweight aluminum handle
- 3" Cutting length



Part #	Mfg #	Description	Price
006451	M12A	12" Length	

### Andy™ Pattern Snips

- Ground blade edge
- Suitable for mild curve cuts, straight shearing, or cutting multiple layers of sheet metal
- Lightweight aluminum handle
- Larger handle loops
- Extended blade tips
- 3-1/4" Cutting length



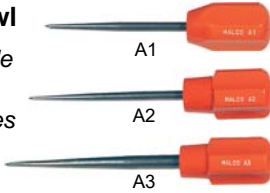
Part #	Mfg #	Description	Price
057978	M14N	14" Length	

## Sheet Metal Tools

### Awls

#### Scratch Awl

- High carbon alloy tool steel blade polished to resist rust
- May be re sharpened many times
- Easy-to-spot orange handles are shock and shatter resistant

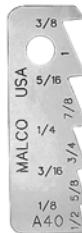


Part #	Mfg #	Blade Dia	Nom Length	Price
006370	A1	7/32"	5-3/4"	
006371	A2	1/4"	6-1/4"	
006373	A3	3/8"	7-1/2"	

### Scribers

#### Pocket Size Sheet Metal Scriber

- Five teeth produce 10 scribing depths
- Compact scribe stores in pocket, pouch or tool box
- Use hang hole or magnet to keep handy on the job



Part #	Mfg #	Min/Max Adjustments	Price
038068	A40	1/8" - 1" Depths	

#### Adjustable Sheet Metal Scriber

- Measure, mark and scribe in one easy operation
- Depth up to 12-1/2"
- Compact design
- Durable construction
- Constructed of rust resistant nickel plated steel
- Knob assembly with hardened steel bolt insert will not strip out
- Uses Zip-In® sheet metal screw making point replacement easy



Part #	Mfg #	Min/Max Adjustments	Price
006376	A60	1/4" - 12-1/2" Depths	

### Dividers

- Length: 11"
- Scratch awl points are easily re sharpened or replaced
- Nickel-plated steel body



Part #	Mfg #	Description	Price
006515	#18	32" Max Circle Diameter	
006522	#24	42" Max Circle Diameter	

### Dividers (Continued)

Part #	Mfg #	Description	Price
021655	RP2	Divider Points for #18 and #27	

### Folding Tools

- Folding seams are formed from two steel halves, permanently joined together



Part #	Mfg #	Width	Folding Depths	Price
006512	12F	12"	3/8" and 1"	
006516	18F	18"	3/8" and 1"	

### Duct Tools and Accessories

#### Duct Stretcher

- Wheels can be changed to other side of tool for applications where side of duct is close to wall or obstruction



Part #	Mfg #	Description	Price
006386	DS1	16"	
006388	DS2	16" Offset Handle	
025654	DS3	12" Locking	

### TurboShear™ Drills

#### TurboShear™

- Attaches to the chuck of a 1200 rpm, 12V cordless or an A/C electric drill
- Makes fast cuts in sheet metal
- Capable of making precise 6" x 6" square hole cuts
- 20 Gauge capacity in spiral duct
- 18 Gauge capacity in galvanized steel
- Material must be pre-set or held by an assistant
- Shear cuts to the left
- Use TSDC drill clamp for 1-hand operation



Part #	Mfg #	Description	Price
067222	TS1	TurboShear™ Sheet Metal Cutter	

## Sheet Metal Tools

### Hole Cutters

#### "Gold Standard" Hole Cutter

- Cuts holes up to 12" diameter in 20 gauge sheet metal
- Use with any standard 1/4" electric drill
- Cast aluminum body
- All wearing parts made of special heat-treated steel



Part #	Mfg #	Hole Diameter	Price
006408	HC1	2" - 12"	

### REDLINE™ Hand Tools

#### 5-Blade Pipe Crimper

- One-hand operation latch
- Soft-touch, non-slip handle insert
- Ergonomically contoured handles



Part #	Mfg #	Throat Depth	Price
131064	C5R	1-5/8"	

#### Hand Notcher

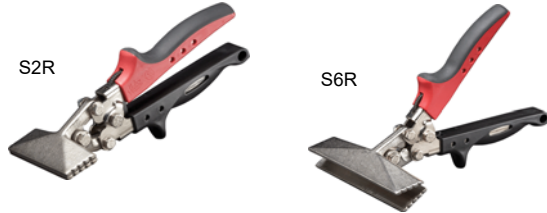
- One-hand operation latch
- Soft-touch, non-slip handle insert
- Ergonomically contoured handles
- Opening maximizes handle leverage



Part #	Mfg #	Throat Depth	Price
132797	N1R	13/16"	
132798	N2R	1"	

### Hand Seamer with Forged Steel Jaw

- One-hand operation latch
- Soft-touch, non-slip handle insert
- Ergonomically contoured handles
- Opening maximizes handle leverage



Part #	Mfg #	Jaw Depth	Jaw Width	Price
132799	S2R	1-1/4"	3-1/4"	
132801	S6R	1-1/4"	6"	

### Offset Hand Seamer with Forged Steel Jaw

- One-hand operation latch
- Soft-touch, non-slip handle insert
- Ergonomically contoured handles
- Opening maximizes handle leverage



Part #	Mfg #	Jaw Depth	Jaw Width	Price
132800	S3R	1-1/4"	3-1/4"	

### Snap Lock Punch for Siding

- One-hand operation
- Ergonomic handles
- Opening maximizes handle leverage



Part #	Mfg #	Length	Throat Depth	Price
006483	SL1R	8"	3/8"	

## Sheet Metal Tools

### Crimpers

#### Single Crimper with Red Grip

- Fast, easy to use and lightweight
- Handy lock makes tool pocket sized
- Length: 8"



Part #	Mfg #	Throat Depth	Price
020268	SC1	1-1/4"	

### Riveting Tools

#### 2-in-1 Hand Riveter

- Adjustment features a single long stroke and a short ratchet action



Part #	Mfg #	Capacity	Price
006518	2-IN-1	1/8"-3/16" Rivet w/Steel Mandrel, 3/32- 5/32" Rivet w/SS Mandrel 8"Long	

### Fiberglass Flex Duct Tools

#### Tensioning Tool

- Hardened steel stampings with weather resistant nickel chrome finish
- Vinyl grips with hand stops
- Tensioning adjustment knob and auto cut-off mechanism



Part #	Mfg #	Description	Price
006499	TY6	High Leverage Tie Tool, Auto Cut-Off	

#### Tie Tool

- Action tie tools feature long wearing, serviceable parts
- Comfortable handles reduce the pinch point area
- Works on all ties including thin designs



Part #	Mfg #	Description	Price
006498	TY4	Manual Cut-Off	

#### Flex Duct Cutter and Shear

- Double edged knife blade
- Thumb operated latch
- Easily resharpenable
- Handles feature non-slip vinyl grips



Part #	Mfg #	Description	Price
006389	FDC1	Flex Duct Cutter	

## Sheet Metal Tools

### Snips

#### Aviation Snips

- One handed locking
- Thumb lock
- Flush bolt design
- Forged alloy steel blades
- Rust protection
- Serrated jaws
- Ergonomic handles
- Up to 22-gauge stainless & 18-gauge cold rolled steel



48-22-4010



48-22-4020



48-22-4030

Part #	Mfg #	Cut	Price
238535	48-22-4510	Left	
238536	48-22-4520	Right	
238537	48-22-4530	Straight	

#### Aviation Snips

- One handed metal lock
- Ergonomic grips
- Lanyard hole
- Flush pivot design
- Forged serrated blades bolt lock
- Up to 22-gauge stainless & 18-gauge cold rolled steel

**Snip set includes: 48-22-4510, 48-22-4520, & 48-22-4530**

Part #	Mfg #	Cut	Price
238535	48-22-4510	Left	
238536	48-22-4520	Right	
238537	48-22-4530	Straight	
238549	48-22-4533	3-PC Snip Set	
238543	48-22-4537	Long Cut Straight	

#### Offset Snips

- 45° offset
- Serrated jaws
- 1 handed locking
- Flush bolt design
- Ergonomic handles
- Forged alloy steel blades
- Rust protection - hard chrome plated blades
- Up to 22-gauge stainless & 18-gauge cold rolled steel



Part #	Mfg #	Cut	Price
238538	48-22-4512	Left Offset	
238540	48-22-4522	Right Offset	
238542	48-22-4532	Straight Offset	
238548	48-22-4523	2-Pc Snip Set	

### Offset Snips

- One handed metal lock
- Ergonomic grips
- Lanyard hole
- Flush pivot design
- Forged serrated blades bolt lock
- Up to 22-gauge stainless & 18-gauge cold rolled steel

**Snip set includes: left cut 48-22-4512 & right cut 48-22-4522**

Part #	Mfg #	Cut	Price
238538	48-22-4512	Left	
238540	48-22-4522	Right	
238548	48-22-4523	2-Pc Snip Set	
238542	48-22-4532	Straight Offset	
238544	48-22-4538	Long Cut Straight	
238544	48-22-4538	Left, Long	

### Bulldog Snips

- One handed locking
- Flush bolt design
- Rust protection
- Serrated jaws
- Ergonomic handles
- Forged alloy steel blades
- Up to 22-gauge stainless & 18-gauge cold rolled steel



Part #	Mfg #	Description	Price
238545	48-22-4500	Bulldog Snips	

### Bulldog Aviation Snips

- One handed metal lock
- Ergonomic grips
- Lanyard hole
- Flush pivot design
- Forged serrated blades bolt lock
- Up to 22-gauge stainless & 18-gauge cold rolled steel



Part #	Mfg #	Description	Price
238545	48-22-4500	Bulldog Aviation Snips	



## Sheet Metal Tools

### Angle Snips

- One handed locking
- Flush bolt design
- Serrated jaws
- Forged alloy steel blades
- Ergonomic handles
- Rust protection - hard chrome plated blades
- Up to 22-gauge stainless & 18-gauge cold rolled steel



Part #	Mfg #	Cut	Price
238546	48-22-4511	Left Angle	
238547	48-22-4521	Right Angle	

### Angle Snips

- One handed metal lock
- Ergonomic grips
- Lanyard hole
- Flush pivot design
- Forged serrated blades bolt lock
- Up to 22-gauge stainless & 18-gauge cold rolled steel



Part #	Mfg #	Cut	Price
238546	48-22-4511	Left Angle	
238547	48-22-4521	Right Angle	

### 3-Piece Aviation Snips Set

- One-handed locking
- Flush bolt design
- Forged alloy steel blades
- Rust protection
- Serrated jaws
- Ergonomic handles
- Up to 22-gauge stainless & 18-gauge cold rolled steel
- Set includes:
  - Straight cutting snips (48-22-4030)
  - Right cutting snips (48-22-4020)
  - Left cutting snips (48-22-4010)



Part #	Mfg #	Description	Price
238549	48-22-4533	3-Pc Aviation Snips Set	

### Miscellaneous Tools

#### Classic Thinner

- 40% Larger Handles
- Cuts up to 20ga Cold Rolled Steel/22ga Stainless Steel
- Bolt lock technology - Blades will not loosen
- All-metal contoured handles for durability and comfort
- Forged strength design
- Rust Resistant



Part #	Mfg #	Description	Price
175014	48-22-4002	12"	

#### Offset Compound Tinner

- 40% Larger Handles
- Cuts up to 20ga Cold Rolled Steel/22ga Stainless Steel
- Bolt lock technology - Blades will not loosen
- All-metal contoured handles for durability and comfort
- Forged strength design
- Rust Resistant



Part #	Mfg #	Description	Price
175015	48-22-4005	Compound Offset	

#### Lightweight Tinner

- 40% Larger Handles
- Cuts up to 24ga Cold Rolled Steel/26ga Stainless Steel
- Best-in-class 3 1/2" Replaceable Blades
- All-metal contoured handles for durability and comfort
- Rust Resistant



Part #	Mfg #	Description	Price
175016	48-22-4006	13"	

#### Bulldog Tinner

- 40% Larger Handles
- Cuts up to 16ga Cold Rolled Steel/18ga Stainless Steel
- Bolt lock technology - Blades will not loosen
- All-metal contoured handles for durability and comfort
- Forged strength design
- Rust Resistant



Part #	Mfg #	Description	Price
175111	48-22-4001	16"	



## Sheet Metal Tools

### Duckbill Tinner

- 40% Larger Handles
- Cuts up to 22ga Cold Rolled Steel/24ga Stainless Steel
- Bolt lock technology - Blades will not loosen
- All-metal contoured handles for durability and comfort
- Forged strength design
- Rust Resistant



Part #	Mfg #	Description	Price
175114	48-22-4004	10"	

### Job Site Offset Scissors

- Iron carbide edge blades
- Micro-Serrated blades
- All metal core
- Bolt lock technology
- Rust protection
- Large handle loops
- Ruler markings on blade
- Index finger groove



Part #	Mfg #	Description	Price
168964	48-22-4040	Offset Scissors	

### Seamers

- Forged head design
- Chrome plated - rust resistance
- Symmetrical handles



Part #	Mfg #	Description	Price
175012	48-22-6000	3" Speed Seamer	

### 5-Blade Crimper

- Reinforced crimper ribs
- Heavy duty spring
- Chrome plated - rust resistance
- Symmetrical handles



Part #	Mfg #	Description	Price
175013	48-22-6001	Up to 22ga rolled steel	

### Job Site Straight Scissors

- Iron carbide edge blades
- Smooth blades for burr-free cuts
- All metal core
- Bolt lock technology
- Rust protection
- Large handle loops
- Ruler markings on blade
- Index finger groove



Part #	Mfg #	Description	Price
168966	48-22-4041	Straight Scissors	



## Sheet Metal Tools

### Sheet Metal Tools

#### 5-Blade Crimper

- All steel construction and nickel-plating
- Produces indentations in stove pipe and round duct
- Crimps 24 gauge CRSM and 24 gauge SSSM



Part #	Mfg #	Handle Color	Length	Price
106830	86550	Blue	9"	

#### Hand Notcher

- Creates 30° "V"-shaped cuts in sheet metal
- Forged, high impact steel jaw with 13/16" maximum throat depth
- All steel construction with nickel-plated and black-oxide finish



Part #	Mfg #	Handle Color	Length	Price
106831	86551	Blue	8-1/2"	

#### Straight Hand Seamer - 3-1/4" Jaw

- For bending and flattening sheet and non-ferrous metals
- 3-1/4" Wide forged, high impact steel jaws are marked in 1/4" increments
- All steel construction and nickel-plated



Part #	Mfg #	Handle Color	Length	Price
106828	86553	Blue	8-3/8"	

### Offset Hand Seamer

- Compound-leverage mechanism easily bends, seams and flattens sheet metal
- For use in overhead and confined areas
- Broader jaw model for forming wider folds
- Folds 22 gauge CRSM and 24 gauge SSSM
- Jaw marked in 1/4" (6 mm) increments for precise bending measurements
- Heavy-duty jaw/handle linkage for durability and easy operation
- All steel construction and nickel-chrome plated hardware
- Vinyl grips with handle stops



Part #	Mfg #	Handle Color	Length	Price
106829	86552	Blue	8"	

### Offset Seamer Tong

- Hot drop-forged
- Bending depth indicators marked in 1/4" increments
- Bends 22 gauge CRSM
- Cushioned handles



Part #	Mfg #	Handle Color	Length	Price
108257	86554	Red	9-3/4"	

### Folding Tool

- (2) Folding depths:
  - 3/8" (10mm)
  - 1" (925mm)
- Handy sight gauges
- Made of heavy-duty 16 gauge steel



Part #	Mfg #	Description	Price
108249	88980	12" Long	
108250	88981	18" Long	
108252	88982	24" Long	

### Duct Stretcher

- Aligns and pulls ductwork together, easing installation of drive cleats
- Offset handle protects hand



Part #	Mfg #	OAL	Price
108255	89565	16"	

## Sheet Metal Tools

### Cutting and Notching Tools

#### Tinner Snips

- 6" Angled, hollow-ground cutting edge for cutting full 3-1/2" (89 mm) straight cuts and wide curves
- Easily replaceable cutting blades made of high-carbon steel
- Cutting capacity:
  - 22 Gauge cold-rolled sheet metal
  - 26 Gauge stainless steel sheet metal
- Not for use on hardened wire, nails, or any other rounded surface
- Lightweight magnesium handles



Part #	Mfg #	Handle Color	Length	Price
108246	3100	Gray	13"	

#### Snap Lock Punch

- Compound-leverage mechanism for greater control and easy operation
- Drop-forged steel jaw easily punches 3/8" (9.5mm) wide impressions on metal edges to easily join pieces of sheet metal, duct, or pipe
- All-steel construction and nickel-chrome plated hardware provide long life and durability
- Vinyl grips with handle stops for added comfort and easy operation



Part #	Mfg #	Handle Color	Length	Price
108254	86560	Blue	8"	

### Cutting and Notching Snips

#### Journeyman Offset Snips

- Soft touch grips
- Klein Kurve® handles

**JOURNEYMAN**



J2100L



J2102S



J2101R



J2106S

Part #	Mfg #	Overall Length	Cutting Pattern	Color Code	Price
130818	J2100L	9-1/2"	Left/Str	Red/Blk	
130819	J2101R	9-1/2"	Right/Str	Gm/Blk	
130820	J2102S	9-1/2"	Straight	Yel/Blk	
130821	J2106S	10-1/2"	Straight Long Blade	Yel/Blk	

#### Aviation Snips



1100L



1101R



1102S



2100L



2101R



2102S



2103

Part #	Mfg #	Overall Length	Cutting Pattern	Color Code	Price
106833	1100L	9-3/4"	Left	Red	
106832	1101R	9-3/4"	Right	Green	
108247	1102S	10-1/8"	Straight	Yellow	
106835	2100L	9-1/2"	Offset Left	Red	
106836	2101R	9-1/2"	Offset Right	Green	
108248	2102S	9-1/2"	Offset Str	Yellow	
106834	2103	9-1/4"	Notch	Yellow	

**Sheet Metal Tools**

**General Purpose Tools**

**Offset Snips**

- 1-1/2" Cut length



Part #	Mfg #	Model	Description	Length	Price
017927	16202	796	Cuts Right	10-1/2"	
017926	16207	797	Cuts Left	10-1/2"	

## Sheet Metal Tools

### Sheet Metal Tools

#### Aviation Snips

- Comfortable grip
- High-carbon steel blades with reinforce chrome silicon spring
- Color-coded handle inserts and splines



Part #	Mfg #	Description	Price
177210	1891133	Aviation Snips Left Cut	
177211	1891134	Aviation Snip Right Cut	

#### Hand Seamers

- Comfortable grip
- High-carbon steel blades with reinforced chrome silicon spring
- Quick notification with 1/4" depth marks on blades



Part #	Mfg #	Description	Price
174605	1891183	3" Offset Hand Seamer	
174604	1891185	3" Hand Seamer	

#### Folding Tools

- Built for both 3/8" (10mm) and 1" (25mm) folds
- Equipped with sight holes for proper depth alignment



Part #	Mfg #	Description	Price
174607	1891146	12" Folding Tool	
174608	1890985	18" Folding Tool	
174610	1890986	24" Folding Tool	

#### Hole Cutters

- Lightweight aluminum frame, with a milled bit
- Inch and metric scales
- Fits into any corded or cordless drill with a 1/4" or larger chuck



Part #	Mfg #	Description	Price
175060	1891191	2" to 12" Hole Cutter	

### Miscellaneous Tools

Part #	Mfg #	Description	Price
158489	30051SH	Sharpie Black Fine Tip	

**Shovels**

**Shovels**



**Round Point Shovel with Long Handle**

- 14 Gauge steel head and ferrule
- Shovel blades and shanks are 1-piece rustproof, taper-formed, then heat treated
- Handle length: 47"



Part #	Mfg #	Model	Blade Size	Price
008693	52300	170	8-5/8" x 11-1/2"	

## Shovels

### Heavy-Duty Commercial Shovels

#### Round Point Shovel with Long Fiberglass Handle

- 12 Gauge steel head and ferrule
- Closed back
- Wood reinforced fiberglass handle
- Handle length: 48-1/2"
- Overall length: 59-1/4"
- 100% American made



Part #	Mfg #	Description	Price
136120	92515	12ga Round Point Shovel	

### Spades

#### Drain Spade D-Grip with Fiberglass Handle

- 12 Gauge steel head and ferrule
- Closed back
- Wood reinforced fiberglass handle
- Handle length: 32"
- Overall length: 40"
- 100% American made



Part #	Mfg #	Description	Price
136121	92535	12ga Drain Spade, Closed	

### Floral & Speciality Shovels

#### Mud Shovel with Long Fiberglass Handle

- 14 Gauge steel head and ferrule
- Closed back
- Wood reinforced fiberglass handle
- Handle length: 48-1/2"
- Overall length: 59"
- 100% American made



Part #	Mfg #	Description	Price
136122	92705	14ga Mud Shovel, Closed	

#### Trunk Shovel with D-Grip Steel Handle

- 14 Gauge steel head and ferrule
- Closed back
- Steel handle
- Handle length: 24-1/2"
- Overall length: 32-3/4"
- 100% American made



Part #	Mfg #	Description	Price
147666	92712	14ga Trunk Shovel, Steel	

## Trouble Lights/Extension Cords

### Extension Cords

#### Orange Extension Cord

- 12/3 SJT
- Super heavy duty
- Outdoor/ Grounded
- Safety orange color



Part #	Mfg #	Description	Price
224081	E25005	12/3 SJT, 25 ft.	
224082	E25006	12/3 SJT, 50 ft.	

### Shop Heater

- Fan forced wire element
- Three settings: 750/1500 watts
- Adjustable thermostat
- Wide stable base and adjustable tilt
- All metal body
- Long 6 ft. cord
- Padded carry handle
- Box: 10" x 7" x 11.5"



Part #	Mfg #	Description	Price
224080	H90101	Portable Shop Heater	

### Work Lights

#### Trouble Light with Metal Cage

- Industrial quality
- 16/3 SJT
- 3-Prong side outlets



Part #	Mfg #	Description	Price
224083	E25021	16/3 SJT, 25 ft.	

#### Portable Halogen Work Light

- 500 Watt
- 6 ft. Grounded
- Power cord
- Adjustable frame



Part #	Mfg #	Description	Price
190131	E25250	6 ft Grounded, 500 Watt	





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## Trouble Lights/Extension Cords

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### Work Lights Fluorescent Trouble/Work Light

Part #	Mfg #	Description	Price
140727	D12812025	6' Orange Trouble Light with Grounded Outlet	

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**Trouble Lights/Extension Cords**

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**Light Bulbs****Rough Service Light Bulb**

- *Multi-support filament*
- *Lasts twice as long as a standard bulb*
- *Frosted to reduce glare*



Part #	Mfg #	Description	Price
002314	8502	100 Watt Frosted	

## Wrenches

### Wrenches

#### Cheater Pipe Wrench

- 3 Length design
  - 10" Mode
  - 18" Mode
  - 24" Mode
- Overbite jaw
- Dual coil springs
- Ergonomic handle form
- Ergonomic hook jaw design
- Tether-ready handle loop



Part #	Mfg #	Description	Price
187995	48-22-7314	Cheater Pipe Wrench	

#### Steel Pipe Wrench

- Overbite Jaw
- Dual coil springs
- Ergonomic handle form
- Ergonomic hook jaw design
- Through hardened jaws
- Tether-ready handle loop



Part #	Mfg#	Size	Length	Price
187996	48-22-7110	10"		
187997	48-22-7112	12"		
187998	48-22-7114	14"		

#### Aluminum Pipe Wrench

- Overbite Jaw
- Dual coil springs
- Ergonomic handle form
- Ergonomic hook jaw design
- Through hardened jaws
- Tether-ready handle loop



Part #	Mfg#	Size	Length	Price
188000	48-22-7210	10"	13-1/2"	
188001	48-22-7212	12"	15"	
188002	48-22-7214	14"	17"	
188003	48-22-7218	18"	20-1/2"	
188004	48-22-7224	24"	27"	

### Adjustable Wrench

- Proprietary adjustment screw
- Ergonomic handle form
- Tether-ready handle loop
- Parallel jaws won't slip or damage finish surfaces
- Adjustment screw gears for smooth adjustment
- Chrome plated for rust protection and durability
- Laser etched ruler for easy-to-read, accurate size adjustment



Part #	Mfg#	Size	Price
187479	48-22-7400	(2Pc) 6"&10"	
187485	48-22-7406	6"	
187484	48-22-7408	8"	
187482	48-22-7410	10"	
187481	48-22-7412	12"	
187480	48-22-7415	15"	

### 7-Pc Combination Wrench Set

- MAX BITE™ open-end grip
- I-beam handle design
- Ink-filled size labels
- Organized storage solution
- Includes: 3/8", 7/16", 1/2", 9/16", 11/16", 3/4", 5/8"



Part #	Mfg #	Description	Price
241912	48-22-9407	7 Pieces	

## Wrenches

### Wrenches

#### Heavy-Duty Straight Pipe Wrench

- Sturdy, cast iron housing and I-beam hand with full floating forged hook jaw, nonstick adjustment nut and replaceable hook and heel jaws



Part #	Mfg #	Model	Nom Size	Pipe Capacity	Price
008714	31010	10	10"	1-1/2"	
008686	31020	14	14"	2"	
008695	31025	18	18"	2-1/2"	
029928	31030	24	24"	3"	

#### Aluminum Handle Straight Pipe Wrench

- Nearly 40% lighter than comparable cast iron models of the same size
- Jaws and all other parts identical to RIDGID heavy-duty wrenches



Part #	Mfg #	Model	Nom Size	Pipe Capacity	Price
008768	31090	810	10"	1-1/2"	
054899	47057	812	12"	2"	
008770	31095	814	14"	2"	
008772	31100	818	18"	2-1/2"	
008774	31105	824	24"	3"	
026610	31115	848	48"	6"	

#### Aluminum Handle Offset Pipe Wrench

- Nearly 50% lighter than comparable cast iron models of the same size
- Features a jaw opening parallel to the handle and narrower hook jaw head which provides easy entry into tight spots



Part #	Mfg #	Model	Nom Size	Pipe Capacity	Price
022973	31125	18	18"	2-1/2"	

#### Strap Wrench

- Best for any polished pipe
- Strong, woven nylon strap gives tight grip
- Polyurethane-coated strap prevents scratching
- Replacement straps available



Part #	Mfg #	Model	Handle Length	Strap Length	Strap Width	Pipe Capacity	OD Tube Capacity	Price
008700	31340	2	11-3/4"	17"	1-1/8"	2"	3-1/2"	

#### Hex Wrench

- Gives multi-sided, secure grip on all hex nuts, square nuts, unions, and valve packing nuts



Part #	Mfg #	Model	Description	Nom Size	Pipe Capacity	Price
008571	31305	E110	Offset Hex	9-1/2"	1-1/8" - 2-5/8"	

## Wrenches

### Spud Wrench

- Narrow jaws to fit into tight places
- Smooth, toothless jaws ideal for square or rectangular stock



Part #	Mfg #	Size	Pipe Capacity	Price
008717	31400	12"	3/8" - 2-5/8"	

### Adjustable Wrench

- High strength forged, precision broached superior strength
- Wider and deeper jaws increased bite and grip surface
- Nickel plated superior corrosion resistance
- Acid etched scales English and metric readings



Part #	Mfg #	Model	Nom Size	Pipe Capacity	Price
050314	86902	756	6"	3/4"	
050315	86907	758	8"	7/8"	
050323	86912	760	10"	1-1/8"	
050320	86917	762	12"	1-5/16"	

### Basin Wrench

- Spring-loaded jaws of forged alloy steel
- Tension plug holds head in any position up to 90° angle



Part #	Mfg #	Model	Description	Nom Size	Pipe Capacity	Price
008658	31175	1017	Telescoping Basin	10" - 17"	3/8" - 1-1/4"	
022327	31180	1019	Telescoping Basin	10" - 17"	1-1/4" - 2-1/2"	

### Faucet and Sink Installer (Plastic Nut Basin Wrench)

- Designed to reach and turn plastic mounting nuts on faucets, sprayers and ballcocks
- Used to fasten and remove plastic basin nuts, supply line nuts, and 7/8" and 1" hex nuts
- Notched ends are designed to self-center on 2, 3, 4 and 6 tab nuts and to fit on metal hex nuts
- Strainer basket attachment holds drain unit in place while tightening strainer nut
- High strength plastic with aluminum inserts



Part #	Mfg #	Model	Length	Price
034146	57003	2006	10-1/4"	

### OneStop™ Wrench

- (2) Tools in one
- Provides exact size surface wrenches needed for angle stop and compression coupling installation



Part #	Mfg #	Model	Description	Price
065524	27023	2002	OneStop™ Wrench	

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**Wrenches**

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**Wrench Parts**

Part #	Mfg #	Description	For Model	Price
008614	31675	Heel Jaw & Pin Assembly	18, 818, E-18, S4A	

## Wrenches

### Wrenches

#### Chrome Adjustable Wrench

- Longer jaws grip better, avoiding slippage or nut round off
- Measurement scales are handy for sizing nuts, pipe and tube diameters
- Greater jaw capacity supports larger nuts and bolts
- Thinner jaws for greater access in tight spaces
- Precise jaw design grips tight the first time
- Four thread knurl and non-protruding jaws provide greater capacity
- Minimal head width improves performance in confined spaces
- Chrome vanadium steel construction



Part #	Mfg #	Length	Capacity	Price
058194	R114800	4-1/2"	1/2"	
058195	R114900	6-1/4"	15/16"	
058196	R115000	8"	1-3/16"	
058197	R115100	10"	1-3/8"	
058198	R115200	12"	1-1/2"	

#### Code Blue® Adjustable Wrench

- Longer jaws grip better, avoiding slippage or nut round off
- Measurement scales are handy for sizing nuts, pipe and tube diameters
- Greater jaw capacity supports larger nuts and bolts
- Thinner jaws for greater access in tight spaces
- Precise jaw design grips tight the first time
- Four thread knurl and non-protruding jaws provide greater capacity
- Minimal head width improves performance in confined spaces
- Code Blue® grips are designed for durability and comfort



Part #	Mfg #	Length	Capacity	Price
117996	R115560	8"	1-1/2"	

### Radiator Nipple Wrench



Part #	Mfg #	Description	Price
029136	R126145	Rubber Strap Wrench, 3/8" to 5-1/2"	

### Drain Wrench



Part #	Mfg #	Description	Price
032867	R124710	Drain Wrench	



## Wrenches

### Adjustable Wrenches

#### Standard-Jaw Design Adjustable Wrench - Plastic Dipped Handles

- Plastic dipped handles
- Forged heat treated alloy steel for maximum strength and lightweight
- High polish chrome finish



Part #	Mfg #	Length	Capacity	Price
111292	D506-4	4-1/2"	1/2"	

#### Adjustable Wrench - Extra Capacity Plastic Handle

- Excellent in confined spaces
- High polish chrome finish



Part #	Mfg #	Length	Capacity	Price
112170	D507-6	6-3/8"	15/16"	
107650	D507-8	8-3/8"	1-1/8"	
106824	D507-10	10-3/8"	1-5/16"	
123781	D507-12	12-3/8"	1-1/2"	

### Ratcheting Box Wrenches

#### Fully Reversible Ratcheting Refrigeration Wrench

- Fully reversible ratchet wrenches designed for refrigeration packing gland nuts and valve stem sockets
- Also designed for beam clamp installation
- Wrenches are compact in size, with clearly marked sockets for four nut sizes
- Chrome finish



Part #	Mfg #	Socket Sizes	Price
113965	68310	3/16" & 5/16" Square x 1/4" & 3/8" Square	

### Ratcheting Box Wrench Sets

#### 3-Piece Fully Reversible Ratcheting Offset Box Wrench Set

- Includes:
  - 68234 1/4" x 5/16"
  - 68236 3/8" x 7/16"
  - 68238 1/2" x 9/16"



Part #	Mfg #	Socket Sizes	Price
106827	68244	3-Piece Set	

### L-Style Hex Keys Sets

- Long side for accessing hard-to-reach places
- Short side for higher torque situations and low clearances

#### 12-Piece L-Style Hex Ball-End Caddy Set - Inch

- Includes:
  - BL2 .050"
  - BL4 1/16"
  - BL5 5/64"
  - BL6 3/32"
  - BL7 7/64"
  - BL8 1/8"
  - BL9 9/64"
  - BL10 5/23"
  - BL12 3/16"
  - BL14 7/32"
  - BL16 1/4"
  - BL20 5/16"



Part #	Mfg #	Description	Price
112667	BLK12	12-Piece Set - Inch	

### Folding Hex Key Sets

#### 9-Key Hex Set

- Sizes:
  - 5/64"
  - 3/32"
  - 7/64"
  - 1/8"
  - 9/64"
  - 5/32"
  - 3/16"
  - 7/32"
  - 1/4"



Part #	Mfg #	Description	Price
106826	70591	4-1/4" Length	

## Wrenches

### Wrenches

#### Digital Adjustable Torque Wrench

- Adjustable spanner head
- Digital torque value readout
- +/- 2% accuracy
- CW and CCW operation
- Water contact indicator
- Peak hold and track mode selectable
- Auto sleep (after about 5 minutes idle)
- 50 data memory for recall and joint torque auditing
- 4 user units of measure (ft. lb., in. lb., N-m, kg-cm)
- Buzzer & LED indicator for the 9 pre-set target torques



Part #	Mfg #	Description	Price
236431	60648	3/8" Square Drive	

#### Fan Blade Puller

- Hardened 4140 chrome moly steel
- Pull off fan blades
- Four fingers attach to the fan blade
- Fits 1-3/4" hub maximum
- Remove pulleys or sheaves
- Remove squirrel cage type blower wheels



Part #	Mfg #	Description	Price
182165	60590	Complete Fan Blade Puller	

#### Heavy Duty Ratchet Wrench

- Reversible
- 1/2" and 9/16" Hex openings at one end
- Square 3/16" and 1/4" at the other end



Part #	Mfg #	Description	Price
182169	60612	7" Long	

#### Offset Service Wrench

- Knuckle saver design
- 1/4" and 3/16" Hex openings at one end
- Square 3/8" and 5/16" at the other end



Part #	Mfg #	Description	Price
182172	60616	Offset Service Wrench	

#### Standard Straight Ratchet Wrench

- Reversible
- 1/4" and 3/16" Hex openings at one end
- Square 3/8" and 5/16" at the other end



Part #	Mfg #	Description	Price
182171	60613	Standard Straight Wrench	

### Precision Torque Wrench Kit

- Packaged blow-molded storage carry case
- Exact tightening to 10-8 N-M or 7.4-59 ft. lb
- Newton-meters and foot-pound scales are marked
- Interchangeable open end adapters  
 60650 (6 Heads): Sizes: 17, 22, 24, 26, 27 & 29 mm  
 60652 (8 Heads): Sizes: 16, 17, 21, 24, 26, 27 & 29 mm



Part #	Mfg #	Description	Price
182242	60650	Torque Wrench Kit w/6 Heads	
182243	60652	Torque Wrench Kit w/8 Heads	

### Parts & Accessories

Part #	Mfg #	Description	Price
182167	60609	Hex Key Adapter	

## Wrenches

### Ratchet Wrenches

#### Ratchet Wrench



- For installing or servicing heating, air conditioning or refrigeration units

Part #	Mfg #	Square	Hex	Price
006478	RRW3	3/16", 1/4", 5/16", 3/8"	-	

#### Hex Key Wrench Insert



Part #	Mfg #	Square	Hex	Price
006479	RRW3/16	1/4"	3/16"	

### Hex Keys

#### Folding Hex Key Set

- Professional quality
- Produced from tough alloy steel



Part #	Mfg #	Description	Price
006503	W29	(9) Keys, Deluxe Pocket	

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## Wrenches

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### Razorback™ Wrench

- Remove shower and sink drains from top or bottom with just one hand
- T-Handle rotates 180°



Part #	Mfg #	Description	Price
093510	73055	Razorback™ Wrench	

**Wrenches**

**Tools**

**Smart Dumbell®**

- *Installs or removes drains without cross-bars (Kohler, American Standard)*
- *Heavy duty die-cast aluminum*
- *Prevents scratching of decorative finishes*
- *Use crescent wrench or large Phillips screwdriver to turn the tool*



Part #	Mfg #	Length	Price
008104	4554	6"	

**Basin Wrenches**

**Eureka Cleanout Plug Wrench**

- *Fits slotted or square countersunk cleanout plugs*
- *Strong, malleable iron*



Part #	Mfg #	Description	Price
083108	4567	Cleanout Plug Wrench	

## Wrenches

### Golden Tool™ Tools

#### Golden Grip® Internal Pipe Wrench

- *Installs or extracts pipe nipples from the inside*



Part #	Mfg #	Description	Price
080112	97250	Single 1/2"	

#### Golden Extractor™ Tub Drain Tool

- *Standard 3/8" drive ratchet to extract or install tub drains*



Part #	Mfg #	Description	Price
083657	97258	Universal Size	

## Wrenches

### Faucet Nut Splitter

- Splits old or new zinc or brass nuts in seconds
- Fits over all 1/2" faucet shanks
- Aluminum with a chisel tip of hardened tool steel



Part #	Mfg #	Description	Price
120323	NS-1	Faucet Nut Splitter	

### Plumber's T-Handle Torque Tools

- Unique locking collar
- Slips internally when proper torque achieved



Part #	Mfg #	Socket	Type	in-lbs	Price
022114	2-SH	5/16"	Std No-Hub	60	



## Wrenches

### Plumbing Specialty Tools

#### 4-Way Key—Carded

- Plated steel
- For sizes 1/4", 9/32", 5/16", 11/32"



Part #	Mfg #	For:	Price
041932	J40-005	Valve, Faucet, Sillcock	

#### Extract-A-Drain Tub Drain Removal Tool

- Removes old or rusty drains
- Fits both 1-1/4" and 1-1/2" tub drains
- Prevents damage to your tub's finish
- Jaws expand to firmly grip inside of drain



Part #	Mfg #	Description	Price
057806	J40-018	Carded	

#### Compression Sleeve Puller

- Removes leaking compression sleeves without damaging walls
- For 5/8" compression units
- Carded



Part #	Mfg #	Description	Price
054587	J40-021	Comp Sleeve Puller, Carded	

#### Faucet Handle Puller

- Plated steel
- Carded
- Removes faucet and valve handles



Part #	Mfg #	Description	Price
054584	J40-010	Standard Unit	

### Wrenches

#### Element Wrench

- For removing heater elements
- Zinc-plated steel
- Individually bagged



Part #	Mfg #	Description	Price
041934	J36-101	Heavy-Duty	

### No-Hub Torque Wrench

- Automatically releases at 60 in/lb
- Ratchets one way
- Built-in reversing lever
- Chrome vanadium socket



Part #	Mfg #	Description	Price
041933	T60-060	No Hub Torque Wrench	

### Basin Wrench

- 1-1/4" Jaw capacity
- Spring-hinged jaw
- Swivel head operates for left or right side
- Use on basin nuts, ballcocks, and flush valves



Part #	Mfg #	Description	Price
041935	B11-010	10" - 17" Telescoping	
227750	B11-012	9-1/2" - 16-1/2" Telescoping	

### Radiator Spud Wrench

- Plated malleable iron
- For use as spud key and wrench



Part #	Mfg #	Description	Price
041936	J40-030	Plated Malleable Iron Wrench	

### 4-Way Plug Wrench



Part #	Mfg #	Description	Price
021060	J40-040	Countersunk Plug Wrench	

### 4-Way P.O. Plug Wrench

- For installing or removing basket strainers, tub drains and P.O. plugs



Part #	Mfg #	Description	Price
041937	J40-026	Wrench	

## Wrenches

### Moен® Stem & Cartridge Wrench

- Removes Moен® stems and cartridges
- Works on plastic/brass faucet/shower valves
- Carded



Part #	Mfg #	Description	Price
054583	J45-015	Carded	

### Spanner/Strainer Wrench

- Plated malleable iron
- Used for basket strainer jam nuts



Part #	Mfg #	Description	Price
041941	J40-024	Plated Malleable Iron Wrench	

### Do All Plumber's Wrench

- Longer, more comfortable handle
- Fits most standard size basket strainers including Opella, Duo, Twist Lock and PB Duo and any strainer which uses a standard 3-3/8" locknut
- Fits most shower stall drains
- Carded



Part #	Mfg #	Description	Price
054595	J40-019	Carded	

### Universal Drain Wrench

- Die cast aluminum
- Installs & removes tub drains and closet spuds
- Use crescent wrench or screwdriver to turn tool



Part #	Mfg #	Description	Price
050424	J45010	6" Long	

## Wrenches

### Fan Blade & Blower Wheel Pullers

- *Removes fan blades/blower wheels that are frozen to a motor shaft*
- *Can be used to apply pushing or pulling force*
- *Includes (4) pulling hooks and (3) set screws*
- *Accommodates 5/8" belt drive and 1/2" or less direct drive motor shafts*



Part #	Mfg #	Description	Price
136604	UP-1	"The Ultimate Puller"	

**Aluminum Venting**

**Aluminum Duct  
Aluminum Pipe**



Part #	Mfg #	Size	Price
014515	32ALVP	3" x 24"	
015382	42ALVP	4" x 24"	
075826	45ALVP	4" x 60"	
015709	62ALVP	6" x 24"	

**Aluminum Elbow**

- Box quantity: 12



Part #	Mfg #	Size	Price
014306	3AL90	3"	
015192	4AL90	4"	
015617	6AL90	6"	

## Aluminum Venting

### Ventilation Products

#### Versa Cap™ Flue and Hot Stack Cap

- Non-clogging positive draft design
- Adjustable clamp fitting
- UL Listed



Part #	Mfg #	Pipe OD	Single Wall	Price
006171	6-3050	2-7/8" - 5"	3" & 4"	
006172	6-5070	4-7/8" - 7"	5" & 6"	
006173	6-7090	6-7/8" - 9"	7" & 8"	
006170	6-1200	11-7/8" - 14-1/2"	12" & 14"	
006174	6-9011	8-7/8" - 11"	9" & 10"	

### Concentric Vents

- Concentric vents make it easier to have a two-pipe installation for high efficiency furnaces
- These vents simplify installation and only require one hole through the wall or roof where the pipes terminate.
- Without using these vents, the installation would require cutting two holes through the home, one for each pipe.
- These vents save time and money by reducing the amount of work required.
- Available in 2in, 3in or 4in intake vent sizes.



Part #	Mfg #	Description	Price
176893	CVENTCAP2	2"	
227475	CVENTCAP3	3"	

### Horizontal Vent Termination Kits

- Horizontal vent kits for use in venting high efficiency fossil fuel appliances.
- The low profile kit hides the vent from view



Part #	Mfg #	Description	Price
179529	HVENT-2	2"	
179530	HVENT-3	3"	

### Duct Fans

- An efficient way to increase air circulation, keep room temperatures consistent, and lower heating and cooling costs.
- Metal construction, powerful no-maintenance motors and a one-use thermal fuse means these fans will be up to the task for years.
- Straightforward installation into any 120V system with detailed instructions, templates, and diagrams.
- Available in many sizes. A great way to give slow vents a boost.



Part #	Mfg #	Description	Price
200007	625-AF6	6"	
200008	625-AF8	8"	
200009	625-AF10	10"	
224964	625-AF12	12"	

### Plastic Wide Mouth Dryer Vent Hood

- Hood, aluminum pipe and collar



Part #	Mfg #	Description	Price
172199	650-023	4" Brown	



## Aluminum Venting

### Aluminum Duct Aluminum Pipe



Part #	Mfg #	Size	Price
192713	ALP244	4" x 24"	

### Aluminum Fittings 90° Aluminum Elbow



Part #	Mfg #	Size	Price
192715	4005-4	4"	

## Chimney Liners

### Metalbest Flexible Aluminum Chimney Liner Kits

- Solution for gas-fired heat venting
- Eliminates chimney flue deterioration
- Aluminum Liner Kit includes:
  - 2-Ply Aluminum Flexi-liner
  - Round top (RV)
  - Flashing with 3" collar
  - Motor guard



Part #	Part #	Size	Length	Price
031689	AF25-03	3"	25'	
031800	AF35-03	3"	35'	
015210	AF25-04	4"	25'	
020303	AF35-04	4"	35'	
020304	AF35-05	5"	35'	
020305	AF35-06	6"	35'	



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**Draft Diverters**

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**Galvanized Diverters**  
**Galv Vertical Draft Diverter**



Part #	Mfg #	Size	Price
011100	WA3508	8"	

## Dryer Venting

### Dryer Venting

#### Aluminum Elbow & Pipe

- All aluminum



Part #	Mfg #	Description	Price
051185	D04-027	4" x 90° Swivel Elbow	
051184	D04-028	4" x 24" Pipe	

#### Vinyl Vent Hose

- Wire reinforced vinyl
- For bathroom fan vent kit



Part #	Mfg #	Size	Price
014952	D04-062	3" x 50'	
015494	D04-050	4" x 50'	

#### Aluminum Vent Hood

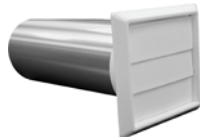
- For clothes dryers or exhaust fans
- Complete with damper and flange plate



Part #	Mfg #	Size	Price
007995	D04-024	4"	

#### Louvered Dryer Vent Hood

- Includes:
  - Hood
  - Aluminum pipe
  - Collar



Part #	Mfg #	Size	Color	Price
046324	D04-025	4"	White	
046325	D04-026	4"	Brown	

#### Dryer Vent Hood

- PVC
- Pre-punched mounting holes
- Weather proof 12" aluminum extension



Part #	Mfg #	Size	Price
081179	D04-012	4"	

### Metal Clamp for Dryer Vent

- Heavy-duty all metal design
- Excellent for use with metal ducting



Part #	Mfg #	Size	Price
014355	D04-015	3"	
015229	D04-016	4"	

### Dryer Duct

#### Flexible Aluminum Foil Ducting

- Ideal for exhausting clothes dryers and bathroom fans
- Will not support combustion
- No fire or UL ratings



Part #	Mfg #	Size	Price
090879	D04-057	4" x 8'	

#### Flexible Aluminum Ducting

- Ideal for exhausting clothes dryers
- Bendable to any configuration



Part #	Mfg #	Size	Price
030873	D04-054	4" x 25'	

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**Dryer Venting**


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**Wall Vents****Louver Hood Faceplate**

Part #	Mfg #	Description	Price
097306	20328	6" White Hood, 12/Pk	

**Mini Louver Fresh Air Intake**

- *Plastic*
- *Screens are 1/4" x 1/4" molded grid*
- *Fixed louvers*
- *Works for thru-wall as well as eave venting*

Part #	Mfg #	Description	Price
097307	20332	6" White Fresh Air Intake	

**Exhaust Fans**

**WhisperGreen® Ventilating Fans**

**WhisperGreen® Fan with Built-In Control**

- Continuous and spot ventilation
- Constant CFM - built-in intelligence performs at a constant CFM regardless of elbows and other factors - when the fan faces static pressure, it automatically increases speed to reach desired CFM
- Variable speed control - CustomVent™ allows fan to run continuously at a pre-set lower level of 30-70 CFMs that can be elevated to a maximum of 80 CFMs when the switch is turned on and turn (or via SmartAction™ Motion Sensor) - high/low delay timer (adj from 30 seconds to 60 minutes) returns fan to the minimum CFM level
- Built-in damper prevents backdraft
- Energy Star® rated



Part #	Mfg #	CFM	Options	Price
140061	FV-08VKM3	30 - 80	Motion Sensor	
130694	FV-13VKM3	0 - 130	Motion Sensor	

**WhisperGreen Select™ Ventilating Fans  
One Fan - Multiple IAQ Solutions**

- Pick-A-Flow speed selector
- Plug 'N Play modules allow further customization
- Features a DC Motor with SmartFlow® technology
- Flex-Z Fast installation bracket
- Power rating: 120 volts and 60 Hz



Part #	Mfg #	CFM	Noise (Sones)	Price
170246	FV-05-11VK1	50 - 113	<0.3	
170245	FV-11-15VK1	110-150	<0.7	

**WhisperGreen Select™ - With Built-in LED Lights**



Part #	Mfg #	CFM	Noise (Sones)	Price
170014	FV-05-11VKL1	50-110	<0.3	
170244	FV-11-15VKL1	110-150	<0.9	

**WhisperGreen Select™ - Multi-Speed**



Part #	Mfg #	CFM	Noise (Sones)	Price
173493	FV-05-11VKS1	50-110	<0.3	

**WhisperGreen Select™ - Multi-Speed w/ LED Lights**



Part #	Mfg #	CFM	Noise (Sones)	Price
173964	FV0511VKSL1	50-110	<0.3	

**WhisperGreen® Ventilating Fan  
Single Speed**

- SmartFlow™ technology for optimal CFM output
- Fully enclosed DC motor for long life – rated for 60,000 hours continuous run
- Detachable dual 4" or 6" duct adaptor included
- Fits in 2 x 8 construction
- Energy Star® rated



Part #	Mfg #	CFM	Noise (Sones)	Price
139499	FV-08VK3	80	<0.3	

**WhisperCeiling™ Ventilating Fans**

- Low noise levels
- Low power consumption
- Long run times or continuous operation
- Built-in damper prevents backdraft
- Energy Star® rated



Part #	Mfg #	CFM	Noise (Sones)	Price
133291	FV-08VQ5	80	<0.3	

**Exhaust Fans**

**WhisperGreen® Ventilating Fans  
(Continued)**

**WhisperCeiling™ Ventilating Fans**

Part #	Mfg #	CFM	Noise (Sones)	Price
134328	FV-11VQ5	110	<0.3	
133419	FV-15VQ5	150	<0.3	

**WhisperWall™ Ventilating Fan**

- Through-the-wall installation
- Low noise levels
- Low input wattage



Part #	Mfg #	CFM	Noise (Sones)	Price
132993	FV-08WQ1	70	1.1	

**WhisperFit-Lite™ Low Profile Fan/Light/Night-Light**

- Optional 3" duct adapter is included
- (2) 18W Compact fluorescent lamps provide overhead lighting
- 4-Watt night-light
- Energy Star® rated



Part #	Mfg #	CFM	Noise (Sones)	Price
136613	FV-05VFL2	50	0.3	
130047	FV-08VFL2	80	0.5	

**WhisperLite™ Fan/Light**

- Low noise level
- Low power consumption
- Long run times or continuous operation
- Energy Star® rated



Part #	Mfg #	CFM	Noise (Sones)	Price
133293	FV-08VQL5	80	<0.3	
243547	FV-0511VQL1	110	0.5	
133418	FV-15VQL5	150	0.9	

**WhisperWarm™ Fan/Heater/Light/Night- Light**

- Low noise level
- 30.6W Power consumption
- 1400W Heating element
- 25W Heater fan
- For 4" duct size
- Night light feature
- (2) 18W Compact fluorescent bulb
- UL Listed



Part #	Mfg #	CFM	Noise (Sones)	Price
133063	FV11VHL2	110	0.7	

**WhisperValue™ Super Low Profile Ventilating Fan**



Part #	Mfg #	CFM	Noise (Sones)	Price
231574	FV-0510VS1	50	1.3	
237920	FV-0510VSL1	50	1.3	

**Exhaust Fans**

**WhisperValue™ Super Low Profile Ventilation Fan/Light**

- Energy Star® rated



Part #	Mfg #	CFM	Noise (Sones)	Price
134285	FV-08VSL1	80	1.5	

**WhisperFit™ EZ Fan**

- The fastest, easiers, retrofit, ENERGY STAR® fan available
- Built-In Pick-A-Flow™ speed selector
- Flex-Z Fast™ Installation bracket
- Low profile 5-5/8" housing depth fits in 2x6 construction



Part #	Mfg #	CFM	Noise (Sones)	Price
177128	FV-08-11VF5	80-110	1.5	

**WhisperFit™ EZ Fan with Light**

- The fastest, easiers, retrofit, ENERGY STAR® fan available
- Built-In Pick-A-Flow™ speed selector
- Flex-Z Fast™ Installation bracket
- Low profile 5-5/8" housing depth fits in 2x6 construction



Part #	Mfg #	CFM	Noise (Sones)	Price
177130	FV-08-11VFL5	80-110	1.5	

**WhisperFit™ EZ Fan with SmartAction® Motion Sensor**

- Motion sensor with 20 min delay off timer automatically activates fan when someone enters room
- The fastest, easiers, retrofit, ENERGY STAR® fan available
- Built-In Pick-A-Flow™ speed selector
- Flex-Z Fast™ Installation bracket
- Low profile 5-5/8" housing depth fits in 2x6 construction



Part #	Mfg #	CFM	Noise (Sones)	Price
177129	FV-08-11VFM5	80-110	1.5	

**WhisperRecessed LED™ Fan/Light Combo**

- Incorporates a powerfule, yet quiet 80 CFM fan behind an elegant recessed LED light
- Includes a dimmable 14W GU24 base LED lamp
- 6-1/2" Aperture and advanced luminaire design
- Adjustable lamp positional



Part #	Mfg #	CFM	Noise (Sones)	Price
231495	FV-08VRE2	80 CRM	<0.8	

**WhisperGreen-Lite™ Ventilating Fans**

**Single-Speed WhisperGreen-Lite™ Fan**

- Built-in intelligence allows fan to perform at a constant CFM regardless of elbows and other factors that might hinder performance
- Electronic ballast technology with (2) Energy-Star® qualified 18W compact, flicker-free fluorescent lamps and a 4W night-light
- Built-in damper to prevent backdraft
- Energy Star® rated



Part #	Mfg #	CFM	Noise (Sones)	Price
139924	FV-08VKL3	80	<0.3	



**Exhaust Fans**

**Variable-Speed WhisperGreen-Lite™ Fan**

- Built-in intelligence allows fan to perform at a constant CFM regardless of elbows and other factors that might hinder performance
- Electronic ballast technology with (2) Energy-Star® qualified 18W compact, flicker-free fluorescent lamps and a 4W night-light
- Variable speed control - CustomVent™ allows fan to run continuously at a pre-set lower level of 30-70 CFMs that can be elevated to a maximum of 80 CFMs when the switch is turned on and turn (or via SmartAction™ Motion Sensor) - high/low delay timer (adj from 30 seconds to 60 minutes) returns fan to the minimum CFM level
- Built-in damper to prevent backdraft
- VKML Suffix - Motion Sensor
- Energy Star® rated



Part #	Mfg #	Duct CFM	Noise (Sones)	Price
139800	FV-13VKML3	6"	130	<0.3

**EcoVent Ventilating Fans**

**EcoVent™ Fan with Veri-Boost™ Cost Effective, Spot Ventilation Solution**

- 70 CFM fan delivers strong performance w/ peace of mind
- Built-In Veri-Boost™ switch provides a 20 CFM boost when needed
- Small grille design



FV-07VBA1 - Fan Housing  
FV-07VBB1 - Motor/Grille Assembly  
(Both required to complete unit)

Part #	Mfg #	Description	Price
170242	FV-07VBA1	Housing Can, Duct Adaptor, & Junction Box	
170241	FV-07VBB1	Motor & Grille	

**Switches**

**Multi-Function Control WhisperControl Switch**

- Multi-switch combination saves space and adds convenience
- Common feed shunted internally to all switches
- Includes matching wall plate
- Commercial grade
- Elegant styling provides multiple controls in a single-gang wall box
- 4-Function control - single pole/double throw on-off-on top switch, two single pole on-off switches



Part #	Mfg #	Color	Functions	Price
163969	FV-WCSW31-W	White	3	
145404	FV-WCSW41-W	White	4	

**WhisperControl Condensation Sensor**

- Automatically turns on when relative humidity and temperature change is detected
- 30 Minute countdown timer
- Manual On/Off control
- Compatible with single-speed fans or fan/lights
- Stylish design with wall plate included
- LED Indicator
- Energy Star®, LEED for Homes, ASHRAE 62.2, and CALGreen compliant
- 1-Year limited warranty



Part #	Mfg #	Color	Description	Price
144623	FV-WCCS1-W	White	On/Off	
148246	FV-WCCS1-A	Light Almond	On/Off	
145403	FV-WCCS2-W	White	On/Off/Light	

**Parts & Accessories**

**WhisperGreen Select™ Condensation Sensor Plug 'N Play Module**

- Helps prevent mold and mildew
- Sensor detects relative humidity and temperature to anticipate dew point, automatically turning the fan on to control humidity
- Humidity (RH) sensitivity adjustment enables fine tuning for moist conditions and for satisfying CALGreen requirements
- Activates a 20 minute delay off timer for the fan



Part #	Mfg #	Description	Price
170250	FV-CSVK1	Condensation Sensor	



**Exhaust Fans**

**WhisperGreen Select™ SmartAction® Motion Sensor Plug 'N Play Module**

- Automatically activates when someone enters the room
- Once the settings have been applied, the fan becomes truly automatic
- This module also activates a 20 minute delay off timer for the fan



Part #	Mfg #	Description	Price
170248	FV-MSVK1	Motion Sensor	

**WhisperGreen Select™ NiteGlo™ LED Light Plug 'N Play Module**

- A photocell automatically turns on the 1 watt LED night light when darkness is sensed in the room
- High/Low brightness switch enables you to fine tune the photocell to work in conjunction with the darkness level of your bathroom
- This module also activates an automatic 20 minute delay off timer for the fan



Part #	Mfg #	Description	Price
170249	FV-NLVK1	NigtGlo LED Night Light	

**WhisperGreen Select™ Multi-Speed with Time Delay Plug 'N Play Module**

- Allows you to select the proper CFM settings to satisfy ASHRAE 62.2 continuous ventilation requirements
- High/Low delay timer returns the fan to the preset CFM level after a period of time set by the user
- The fan runs continuously at a preset lower level (0, 30-100 or 0, 50-120 CFM, in 10 CFM increments), then elevates to a maximum level of operation (50-80-110 or 110-130-150 CFM) when the wall switch is turned on, or when the motion sensor or condensation sensor module is activated



Part #	Mfg #	Description	Price
170247	FV-VS15VK1	Multi-Speed w/ Time Delay	

**Exhaust Fans**

**Quantum Inline Fans**  
**Quantum Ventilation System**

- Complete exhaust system includes:
  - Inline plastic combi- fan
  - Multi-position metal bracket
  - Duct connection collar
- Capable of multi-point exhaust
- Energy Star® rated

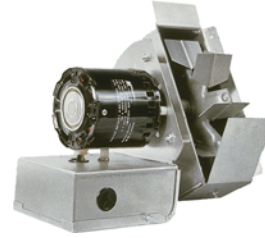


Part #	Mfg #	Description	Price
080159	99-NBQ-COMBI	4", 5", 6" , 180/240/270 CFM, 3-in-1 Inline System, White	

## Power Venters

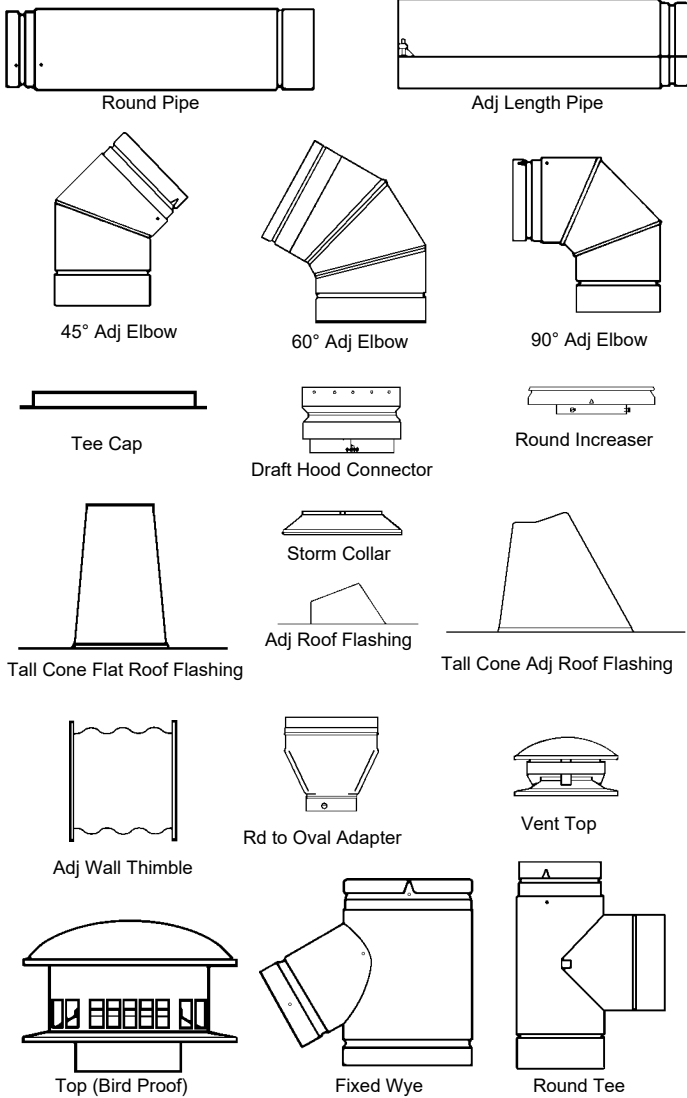
### Draft Inducers

- *Inline Auto-Draft® inducers*
- *Quick and easy to install*
- *Vari-Draft control permits adjustments to the individual job requirement*
- *115V 60Hz*



Part #	Mfg #	Smokepipe Size	RPM	Watts	Amps	HP Open	Price
010374	D-3	5" - 8"	1,550 rpm	74W	.96A	1/20 hp	

**QC Venting**



**12" Gas Vent Round**

Part #	Mfg #	Description	Price
187423	RP1236	12" x 36" Round Pipe	
187422	RP1218	12" x 18" Round Pipe	
008345	12QC-18	18" Round Pipe	
008346	12QC-30	30" Round Pipe	
187428	12R45-S	45° Fixed Elbow	
008337	12QC-AF	Adj Roof Flashing	
008364	12QC-RT	Top	
187431	12RSC-S	Storm Collar	
008358	12QC-TC	Tee Cap	
008362	12QC-TF	Tall Cone Flat Roof Flashing	
008368	12QC-TS	Tee	

**14" Gas Vent Round**

Part #	Mfg #	Description	Price
008348	14QC-30	30" Round Pipe	
008373	14QC-45	45° Fixed Elbow	
008338	14QC-AF	Adj Roof Flashing	
008365	14QC-RT	Top	
008353	14QC-SC	Storm Collar	
008359	14QC-TC	Tee Cap	
008355	14QC-TF	Tall Cone Flat Roof Flashing	
008369	14QC-TS	Tee	

**16" Gas Vent Round**

Part #	Mfg #	Description	Price
008350	16QC-30	30" Round Pipe	
008339	16QC-AF	Adj Roof Flashing	
008366	16QC-RT	Top	
008354	16QC-SC	Storm Collar	
008356	16QC-TF	Tall Cone Flat Roof Flashing	

**Type "B" Gas QC Vent Pipe & Fittings**

**10" Gas Vent Round**

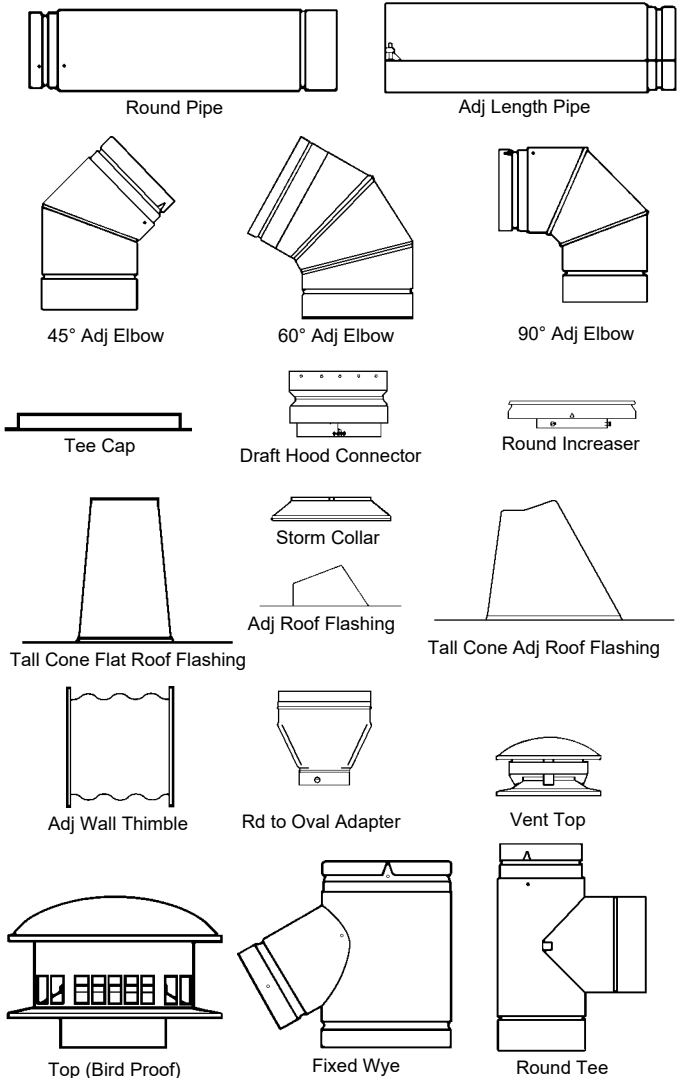
Part #	Mfg #	Description	Price
008343	10QC-18	18" Round Pipe	
008344	10QC-30	30" Round Pipe	
187411	RP1036	36" Round Pipe	
008371	10QC-45	45° Fixed Elbow	
008336	10QC-AF	Adj Roof Flashing	
008340	10QC-AJ	18" Adj Length Pipe	
008363	10QC-RT	Top	
187419	RSC10	Storm Collar	
008357	10QC-TC	Tee Cap	
008361	10QC-TF	Tall Cone Flat Roof Flashing	
008367	10QC-TS	Tee	

**Model C Universal Cap**

- Used as ventilation cap as well as a Type B gas vent termination

Part #	Mfg #	Description	Price
187418	RTOP10	10" Cap	
187430	RTOP12	12" Cap	

**RV Round Venting**



**Type "B" Gas RV Vent Pipe & Fittings  
(Continued)**

**3" Gas Vent Round**

Part #	Mfg #	Description	Price
009774	3RV-FSPU	3" Quick Grip Firestop/Spacer	
053951	3RV-HWT	High Wind Top	
009668	3RV-I4	3" x 4" Increaser	
009669	3RV-I5	3" x 5" Increaser	
096904	3RV-I6	3" x 6" Increaser	
009760	3RV-RT	Vent Top	
009729	3RV-SC	Storm Collar	
009748	3RV-TC	Tee Cap	
009754	3RV-TF	Tall Cone Flat Roof Flashing	
009653	3RV-TFA	Tall Cone Adj Roof Flashing	
009766	3RV-TS	Tee	
043482	3RV-WT	Adj Wall Thimble	

**4" Gas Vent Round**

Part #	Mfg #	Description	Price
009696	4RV-6	6" Round Pipe	
009691	4RV-12	12" Round Pipe	
009692	4RV-18	18" Round Pipe	
009693	4RV-2	24" Round Pipe	
009694	4RV-3	36" Round Pipe	
041120	4RV-4	48" Round Pipe	
009695	4RV-5	60" Round Pipe	
009675	4RV-3RA	3" Rheem Adapter	
009794	4RV-90	90° Adjustable Elbow	
009658	4RV-AF12	Adj Roof Flashing 6/12 to 12/12	
009677	4RV-AJ	12" Adj Length Pipe	
009678	4RV-AJ18	18" Adj Length Pipe	
009664	4RV-DH	Draft Hood Connector	
052600	4RV-EL45/60	45°/60° Adjustable Ell	
009775	4RV-FSPU	4" Quick Grip Firestop/Spacer	
053952	4RV-HWT	Hi-Wind Cap	
009670	4RV-I5	4" x 5" Increaser	
009671	4RV-I6	4" x 6" Increaser	
009761	4RV-RT	Top Vent (Bird Proof)	
009730	4RV-SC	Storm Collar	
009749	4RV-TC	Tee Cap	
009755	4RV-TF	Tall Cone Flat Roof Flashing	
009654	4RV-TFA	Tall Cone Adj Roof Flashing	
009767	4RV-TS	Tee	
037624	4RV-WT	Adj Wall Thimble	
009779	4RV-WV4	Round to Oval Adapter	

**Type "B" Gas RV Vent Pipe & Fittings  
3" Gas Vent Round**

Part #	Mfg #	Description	Price
009690	3RV-6	6" Round Pipe	
009685	3RV-12	12" Round Pipe	
009686	3RV-18	18" Round Pipe	
009687	3RV-2	24" Round Pipe	
009688	3RV-3	36" Round Pipe	
066532	3RV-4	48" Round Pipe	
009689	3RV-5	60" Round Pipe	
052598	3RV-60	45°/60° Adjustable Elbow	
009790	3RV-90	90° Adjustable Elbow	
009657	3RV-AF12	Adj Roof Flashing 6/12 to 12/12	
009676	3RV-AJ	12" Adj Length Pipe	
009663	3RV-DH	Draft Hood Connector	

## RV Round Venting

### 5" Gas Vent Round

Part #	Mfg #	Description	Price
009702	5RV-6	6" Round Pipe	
009697	5RV-12	12" Round Pipe	
009698	5RV-18	18" Round Pipe	
009699	5RV-2	24" Round Pipe	
009700	5RV-3	36" Round Pipe	
041121	5RV-4	48" Round Pipe	
009701	5RV-5	60" Round Pipe	
009783	5RV4-FY	4" Fixed Wye s/4" Snout	
114028	5RV43FY	5" x 4" x 3" Fixed Wye	
009780	5RV-5/6WV	Round to Oval Adapter	
052601	5RV-60	45°/60° Adjustable Elbow	
009795	5RV-90	90° Adjustable Elbow	
009655	5RV-AF	Adj Roof Flashing Flat to 6/12	
009659	5RV-AF12	Adj Roof Flashing 6/12 to 12/12	
009679	5RV-AJ	12" Adj Length Pipe	
009680	5RV-AJ18	18" Adj Length Pipe	
009665	5RV-DH	Draft Hood Connector	
009776	5RV-FSPU	5" Quick Grip Firestop/Spacer	
053953	5RV-HWT	Hi-Wind Top	
009672	5RV-I6	5" x 6" Increaser	
009762	5RV-RT	Vent Top	
009731	5RV-SC	Storm Collar	
009750	5RV-TC	Tee Cap	
009756	5RV-TF	Tall Cone Flat Roof Flashing	
009768	5RV-TS	Tee	

### 6" Gas Vent Round

Part #	Mfg #	Description	Price
009708	6RV-6	6" Round Pipe	
009703	6RV-12	12" Round Pipe	
009704	6RV-18	18" Round Pipe	
009705	6RV-2	24" Round Pipe	
009706	6RV-3	36" Round Pipe	
009707	6RV-5	60" Round Pipe	
009781	6RV-5/6WV	Round to Oval Adapter	
052602	6RV-60	45°/60° Adjustable Elbow	
009796	6RV-90	90° Adjustable Elbow	
009656	6RV-AF	Adj Roof Flashing Flat to 6/12	
009660	6RV-AF12	Adj Roof Flashing 6/12 to 12/12	
009681	6RV-AJ	12" Adj Length Pipe	
009666	6RV-DH	Draft Hood Connector	
009777	6RV-FSPU	6" Quick Grip Firestop/Spacer	
053954	6RV-HWT	Hi-Wind Cap	
009673	6RV-I7	6" x 7" Increaser	
009674	6RV-I8	6" x 8" Increaser	

### Type "B" Gas RV Vent Pipe & Fittings (Continued)

#### 6" Gas Vent Round

Part #	Mfg #	Description	Price
009763	6RV-RT	Vent Top	
009732	6RV-SC	Storm Collar	
009751	6RV-TC	Tee Cap	
009757	6RV-TF	Tall Cone Flat Roof Flashing	
009769	6RV-TS	Tee	

#### 7" Gas Vent Round

Part #	Mfg #	Description	Price
009714	7RV-6	6" Round Pipe	
009709	7RV-12	12" Round Pipe	
009710	7RV-18	18" Round Pipe	
009711	7RV-2	24" Round Pipe	
009712	7RV-3	36" Round Pipe	
009713	7RV-5	60" Round Pipe	
009788	7RV-45	45° Adjustable Elbow	
009797	7RV-90	90° Adjustable Elbow	
009661	7RV-AF	Adj Roof Flashing Flat to 6/12	
062593	7RV-AF12	Adj Roof Flashing 6/12 to 12/12	
009764	7RV-RT	Vent Top	
009733	7RV-SC	Storm Collar	
009752	7RV-TC	Tee Cap	
009758	7RV-TF	Tall Cone Flat Roof Flashing	
009770	7RV-TS	Tee	

#### 8" Gas Vent Round

Part #	Mfg #	Description	Price
009720	8RV-6	6" Round Pipe	
009715	8RV-12	12" Round Pipe	
009716	8RV-18	18" Round Pipe	
009717	8RV-2	24" Round Pipe	
009718	8RV-3	36" Round Pipe	
009719	8RV-5	60" Round Pipe	
009789	8RV-45	45° Adjustable Elbow	
009798	8RV-90	90° Adjustable Elbow	
009682	8RV-AJ	12" Adj Length Pipe	
009662	8RV-AF	Adj Roof Flashing Flat to 6/12	
088718	8RV-AF12	Adj Roof Flashing 6/12 - 12/12	
009667	8RV-DH	Draft Hood Connector	
009765	8RV-RT	Vent Top	
009734	8RV-SC	Storm Collar	
009753	8RV-TC	Tee Cap	
009759	8RV-TF	Tall Cone Flat Roof Flashing	
009771	8RV-TS	Tee	

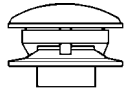
## Stainless Steel All Fuel Venting

### Chimney Systems

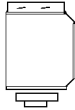
- Rugged all fuel chimney
- Meets all UL® requirements
- Model SSII-Type HT tested to 2100°F
- Model SSII tested UL®-103 max temp of 1700°F
- Gravity venting only



Insulated Pipe



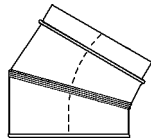
Round Top



Insulated Tee w/Cap



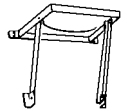
15° Insulated Elbow



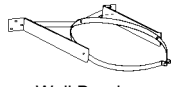
30° Insulated Elbow



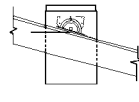
Dripless Adptr w/Coupler



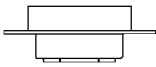
Wall Support Kit



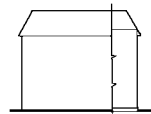
Wall Band



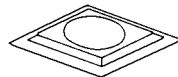
Roof Support



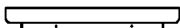
Ceiling Support



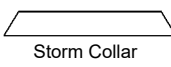
Attic Insulation Shield



Fire Stop/Wall Spacer



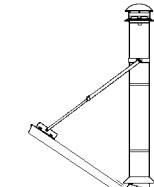
Finishing Collar



Storm Collar



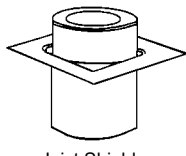
Adjustable Flashing



Roof Brace Kit



Locking Band



Joist Shield

### SSII-Type HT 6" Insulated Pipe & Fittings

Part #	Mfg #	Description	Price
001049	6UT-9	6" x 9" Pipe	
001047	6UT-18	6" x 18" Pipe	
001048	6UT-36	6" x 36" Pipe	
001030	6T-AF6	0/12 - 6/12 Adj Flashing	
001029	6T-AF12	6/12 - 12/12 Adj Flashing	
001032	6T-CT	Round Top	
001033	6T-DSA	Dripless Smoke Pipe Adapter	
001034	6T-DSAC	Dripless Smoke Pipe Adapter w/Coupler	
070232	6T-EL15KIT	15° Elbow Kit	
001036	6T-FC	Finishing Collar	

### Chimney Systems (Continued)

#### SSII-Type HT 6" Insulated Pipe & Fittings

Part #	Mfg #	Description	Price
001037	6T-FSP	Ceiling Support, Sq Plate	
001038	6T-IT	Tee	
021232	6T-JS	Joist Shield	
001039	6T-LB	Locking Band	
021355	6T-RBK	Roof Brace Kit	
001040	6T-RSP	Roof Support Package	
001041	5/6T-SC	6" Metal Storm Collar	
001043	6T-TF	0 - 2/12 Tall Cone Roof Flashing	
074623	6T-TPS	Fire Stop/Trim Collar w/Spacer	
001044	6T-WB	Wall Band	
001046	6T-WSK	Wall Support Kit	

#### SSII-Type HT 7" Insulated Pipe & Fittings

Part #	Mfg #	Description	Price
001059	7UT-18	7" x 18" Pipe	
001060	7UT-36	7" x 36" Pipe	
001050	7TAF-6	6/12 Flashing	
070237	7T-EL30KIT	30° Elbow Kit	
001051	7T-CT	Round Top	
001053	7T-FSP	Finish Support Pkg, Sq Plate	
001054	7T-IT	Tee	

#### SSII-Type HT 8" Insulated Pipe & Fittings

Part #	Mfg #	Description	Price
081186	8UT-6	8" x 6" Insulated Pipe	
001081	8UT-9	8" x 9" Insulated Pipe	
001079	8UT-18	8" x 18" Insulated Pipe	
080939	8UT-24	8" x 24" Insulated Pipe	
001080	8UT-36	8" x 36" Insulated Pipe	
001062	8T-AF6	Adj Flashing	
001065	8T-CT	Round Top	
001066	8T-DSAC	Dripless Smoke Pipe Adapter w/Coupler	
070234	8T-EL15KIT	15° Elbow Kit	
001069	8T-FSP	Ceiling Support, Sq Plate	
001070	8T-IT	Tee	
001071	8T-JS	Joist Shield	
001072	8T-LB	Locking Band	
001056	7/8T-SC	8" Metal Storm Collar	
001076	8T-WB	Wall Band	
001078	8T-WSK	Wall Support Kit	



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## Stainless Steel All Fuel Venting

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### SSII-Type HT 10" Insulated Pipe & Fittings

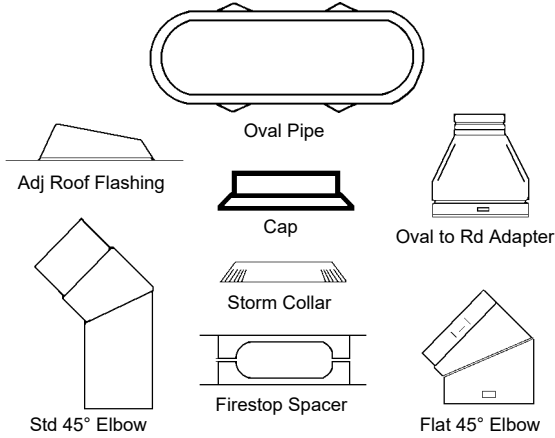
Part #	Mfg #	Description	Price
070246	10UT-36	10" x 36" Insulated Pipe	

### SSII 10" Insulated Fittings

Part #	Mfg #	Description	Price
066181	10SAF-12	2/12 to 6/12 Roof Flashing	
012309	10S-CT	Round Chimney Top	
012314	10S-SC	Storm Collar	

## WV Oval Venting

### Gas Vent Oval Pipe & Fittings



#### 4" Gas Vent Oval

Part #	Mfg #	Description	Price
007919	4OV-12	12" Oval Pipe	
007920	4OV-2	24" Oval Pipe	
007921	4OV-3	36" Oval Pipe	
007922	4OV-4	48" Oval Pipe	
007923	4OV-5	60" Oval Pipe	
007924	4OV-45F	Flat 45° Elbow	
007925	4OV-45S	Standard 45° Elbow	
012142	4OV-4RV	Oval to 4" Round Adapter	
089500	4OV-FS	Firestop Spacer	
012145	4OV-SC	Storm Collar	
007918	4OV-TS	Oval to Round Tee	
007917	4OV-TC	Tee Cap	

#### 5"/6" Gas Vent Oval

Part #	Mfg #	Description	Price
012135	5/6OV-12	12" Oval Pipe	
012136	5/6OV-2	24" Oval Pipe	
012138	5/6OV-4	48" Oval Pipe	
012139	5/6OV-5	60" Oval Pipe	
012143	5/6OV-5RV	5" Oval to Round Adapter	
012144	5/6OV-6RV	6" Oval to Round Adapter	
012140	5/6OV-T5	Oval to 5" Round Tee	
012147	5/6OV-TC	Tee Cap	

**Roof & Chimney Caps**

**Venting Caps**

**634/634M Black Roof Cap**

- Built-in backdraft damper and bird screen
- 24 Gauge CRCQ Steel, black electrically-bonded finish



Part #	Mfg #	Description	Price
002548	634	Black Steel for 3-1/4" x 10" or 8" Round Duct	
074322	634M	Black Steel for 3-1/4" x 10" or 6" Round Duct	

**636 Black Roof Cap**

- Built-in backdraft damper and birdscreen
- 24 Gauge CRCQ Steel, black electrically-bonded finish



Part #	Mfg #	Description	Price
082892	636	Black Steel for 3" or 4" Round Duct	

**639 Black Wall Cap**

- Spring-loaded backdraft damper
- Built-in bird screen
- Steel baked black enamel finish
- 24 Gauge CRCQ Steel, black electrically-bonded finish



Part #	Mfg #	Description	Price
002550	639	Black Steel for 3-1/4" x 10" Duct	

**641 Aluminum Wall Cap**

- Built-in backdraft damper and birdscreen
- Aluminum natural finish



Part #	Mfg #	Description	Price
002551	641	Aluminum for 6" Round Duct	
024789	642	Aluminum for 3" or 4" Round Duct	

**643 Aluminum Wall Cap**

- Built-in backdraft damper
- Aluminum natural finish



Part #	Mfg #	Description	Price
081057	643	Aluminum for 8" Round Duct	

**885-BL Black Wall Cap**

- 4" to 3" Transition included
- Built-in bird screen
- 24 Gauge CRCQ Steel, black electrically bonded epoxy finish
- Built-in damper



Part #	Mfg #	Description	Price
145669	885BL	Black for 3" or 4" Round Duct	

**BVDS Exhaust Vent**

- Bath & kitchen
- High density polyethylene
- 1-1/4" Removable mesh screen
- Removable stem



Part #	Mfg #	Size	Color	Price
233071	BVDS-4-BL K	4"	Black	

**Plastic High Temperature Sealants**

**Silicone Sealants**

**100% Silicone Sealant Squeeze Tube**

- 100% silicone
- Will not crack, shrink or peel
- Interior/exterior use
- Solvent clean-up, not paintable



Part #	Mfg #	Size	Color	Price
128598	0810	2.8 fl oz	White	
008384	0820	2.8 fl oz	Clear	

**Plastic High Temperature Sealants**

**Silicone Caulk**

**Silicone Construction Caulk**

- For indoor or outdoor use
- Permanently flexible
- -60°F - +450°F Water and weatherproof
- Insulates electrically and thermally room temperature vulcanizing



Part #	Mfg #	Description	Price
059844	12W	10.3 oz, White	
059845	12C	10.3 oz, Clear	

**Silicone Seal Carded**

- For indoor or outdoor use
- Permanently flexible
- -60°F - +450°F Water and weatherproof
- Insulates electrically and thermally room temperature vulcanizing



3W



3C

Part #	Mfg #	Description	Price
059842	3W	3 oz, White Mildew Resistant FDA/NSF	
059843	3C	3 oz, Clear USDA/FDA/NSF	

## Stainless Steel Venting

### FasNSeal® Adapters

#### Weil McLain Tee Appliance Adapter



Part #	Mfg #	Size	Price
041443	300358	3"	

### FasNSeal® Single-Wall Special Gas Vent

#### Vent Length Pipe

- Use to vent category II, III and IV appliances



Part #	Mfg #	Size	Price
040346	300001	3" x 6"	
040347	300015	3" x 12"	
040348	300045	3" x 18"	
040349	300060	3" x 24"	
040350	300075	3" x 36"	
041867	300076	4" x 36"	
041863	300002	4" x 6"	
041864	300016	4" x 12"	
041866	300061	4" x 24"	

### Adjustable Vent Length Pipe

- Use to add length to straight length of FasNSeal® pipe
- Adds 2" - 14" of length
- Requires at least 2" overlap for a secure connection



Part #	Mfg #	Size	Price
046673	300250	3" x 18"	

### 45° Elbow

- Allows for better condensate management and less back pressure



Part #	Mfg #	Size	Price
041868	300131	4"	

### 90° Elbow

- Use to go from horizontal to vertical runs or vertical to horizontal runs
- Use to turn vent 90°



Part #	Mfg #	Size	Price
040352	300160	3"	
041869	300161	4"	

### Bird Screen

- Use for 3" and 4" standard through-the-wall terminations



Part #	Mfg #	Size	Price
040356	300186	3"	
041873	300187	4"	

### Horizontal Drip Tee

- Use to manage condensate in horizontal runs



Part #	Mfg #	Size	Price
040354	300236	3"	
041872	300237	4"	

### Wall Thimble with Adjustable Vent Length Pipe

- Use for through-the-wall termination
- Fits between standard wall studs



Part #	Mfg #	Size	Price
040353	300280	3"	
041871	300281	4"	

## Work Gloves

### Work Gloves

#### Demolition Gloves

- Built-in terry cloth sweat wipe
- Velcro Closure for a secure fit
- Breathable Lining - Moisture wicking lining provides all day comfort
- Molded Knuckle Protection - TPR pad provides ultimate knuckle protection
- Palms and Finger Tips reinforced with Armortex® for ultimate durability and grip
- Smartswipe™ Knuckle



Part #	Mfg #	Size	Price
229541	48-22-8735	Small	
186454	48-22-8731	Medium	
186456	48-22-8732	Large	
186457	48-22-8733	Extra Large	
186458	48-22-8734	2X Large	

#### Fingerless Work Gloves

- Fingerless design for ultimate dexterity
- Reinforced and padded palm
- Built-in terry cloth sweat wipe
- Hook & loop closure for a secure fit
- Breathable lining provides all day comfort



Part #	Mfg #	Size	Price
224333	48-22-8745	Small	
224334	48-22-8741	Medium	
224335	48-22-8742	Large	
224336	48-22-8743	Extra Large	
224337	48-22-8744	2X Large	

#### Free-Flex Work Gloves

- Built-in terry cloth sweat wipe
- Free-Flex cuff for all day comfort
- Breathable lining provides all day comfort reinforced thumb seam
- High dexterity finger tips provide dexter when handling small objects
- Smartswipe™ Fingertips, Knuckles and Palms



Part #	Mfg #	Size	Price
224343	48-22-8715	Small	
224346	48-22-8711	Medium	
224347	48-22-8712	Large	
224348	48-22-8713	Extra Large	
224349	48-22-8714	2X Large	

### Performance Work Gloves

- Built-in terry cloth sweat wipe
- Breathable lining provides all day comfort
- Hook & loop closure for a secure fit
- High dexterity finger tips provide dexterity when handling small objects
- Smartswipe™ Fingertips, Knuckles and Palms



Part #	Mfg #	Size	Price
224338	48-22-8725	Small	
224339	48-22-8721	Medium	
224340	48-22-8722	Large	
224341	48-22-8723	Extra Large	
224342	48-22-8724	2X Large	

### Cut Level 1 Dipped Gloves

- ANSI & EN cut rating 1
- Textured nitrile palm
- SMARTSWIPE™ palm and fingertips
- High dexterity design
- Nylon/lycra blend material
- TDM cut rating C, Abrasion rating 3, Tear rating 2, Puncture rating 1
- Breathable glove design



Part #	Mfg #	Size	Price
244551	48-22-8900	Small	
244552	48-22-8901	Medium	
243227	48-22-8902	Large	
243228	48-22-8903	Extra Large	
244553	48-22-8904	2X Large	



**Gloves, Ear Plugs, Goggles, ETC**

**Gloves**

**Journeyman Utility Gloves (K1)**

- *Supple, breathable, durable synthetic leather palm*
- *2-Way stretch spandex padded top features form-fitting elasticity*
- *Reinforced thumb, index finger and fingertips add protection*
- *Concealed interior seam stitching prevents snagging*
- *Wide opening elastic cuff*
- *Contact points on index finger and thumb feature smooth surface for improved handling of objects*



Part #	Mfg #	Size	Price
106850	40052	Medium	
106851	40053	Large	
106852	40054	X-Large	

**Journeyman™ Heavy-Duty Protection Gloves (K3)**

- *Streamlined high-density accordion knuckle panel reduces impact*
- *High profile, impact absorbing molded Thermal Plastic Rubber (TPR) finger protection*
- *Non-slip rubberized Zeus™ Carino® finger and thumb grippers and panel on heel of hand provide grip control and longer wear*
- *Synthetic leather with breathable mesh side insert finger panels*
- *2-Ply synthetic leather palm with anatomically die cut Ethylene Vinyl Acetate (EVA) foam padded impact zones*
- *Thermal Plastic Rubber (TRP) cuff strap with hook and loop closure*
- *Neoprene cuff allows easier access with additional wrist protection and comfort*



Part #	Mfg #	Size	Price
106857	40063	Large	

**Gloves, Ear Plugs, Goggles, ETC**

**Gloves**

**Disposable Latex Glove**

- *Extra large*
- *Reversible*



Part #	Mfg #	Type	Size	Price
060105	390-50177	Heavy-Duty	XL	

## Gloves, Ear Plugs, Goggles, ETC

### Gloves

#### X10 Knucklehead Glove

- Synthetic leather palm
- Elastic wrist
- High visibility orange



Part #	Mfg #	Description	Price
148262	21242HOL	Large	
148263	21242HOXL	Extra Large	
148135	21242HOXXL	Extra Extra Large	

#### Split Cowhide Double Palm Glove

- Knuckle strap
- Wing thumb
- Polyethylene safety cuff



Part #	Mfg #	Description	Price
122046	4503CDPXL	Extra Large	

#### String Knit Cotton/Polyester Glove

- Ambidextrous
- PVC Dots on both sides
- Natural color



Part #	Mfg #	Description	Price
122623	3825L	Large	

#### A Grade Gold Deerskin Palm Glove

- Black stretch back
- Velcro closure
- Mechanics style
- Heatlok lined



Part #	Mfg #	Description	Price
129331	2150HM	Medium	
129332	2150HXL	Extra Large	
129346	2150HXXL	Extra Extra Large	

#### High Visibility Terry Lined Yellow Knit No Logo Glove

- Black rubber palm hides dirt
- Rubber palm
- Super fit
- Precurved design promotes easy flexing



Part #	Mfg #	Description	Price
144702	3396HYNL	Large	
144701	3396HYNXL	Extra Large	

#### High Visibility Yellow Knit Glove

- Summer version
- Black rubber palm hides dirt
- Rubber palm
- Super fit
- Precurved design promotes easy flexing



Part #	Mfg #	Description	Price
122621	3397HYL	Large	

#### High Visibility Yellow Knit No Logo Glove

- Rubber palm
- Excellent wear and resistance
- Super fit



Part #	Mfg #	Description	Price
140861	3397HYNM	Medium	
140863	3397HYNL	Large	
140858	3397HYNXL	Extra Large	

#### High Visibility Superdex Gloves

- Nylon shell
- 15 Gauge liner
- 100% Launderable
- Pre-curved finger design
- Ultra cool & breathable coating
- Micro foam nitrile coated palm



Part #	Mfg #	Description	Price
159170	3228HVYL	Large	
159171	3228HVYXL	Extra Large	

## Gloves, Ear Plugs, Goggles, ETC

### High Visibility Orange Knit Glove

- Summer version
- Black rubber palm hides dirt
- Precurved design promotes easy flexing
- Rubber palm
- Super fit



Part #	Mfg #	Description	Price
122620	3397HOL	Large	

### High Visibility Orange Knit No Logo Glove

- Rubber palm
- Excellent wear and resistance
- Super fit

Part #	Mfg #	Description	Price
140860	3397HONM	Medium	
140862	3397HONL	Large	
140859	3397HONXL	Extra Large	

### SuperDex Gray Nitrile Palm Dipped Glove

- Lightweight black nylon liner
- Knit wrist
- Black/gray



Part #	Mfg #	Description	Price
169298	3270L	Large	

### OXXA X-Pro Flex Gloves

- Micro foam nitrile palm coating
- nylon shell



Part #	Mfg #	Description	Price
159172	51-290	Medium	
159173	51-290	Large	

### Disposable Nitrile Glove

- Textured fingertips
- Powder-free
- 5 - 6 Mil
- 100/Box



Part #	Mfg #	Description	Price
121772	3276L	Large	
133593	3276XL	Extra Large	

## Gloves, Ear Plugs, Goggles, ETC

### Gloves Gloves



Part #	Mfg #	Description	Price
030870	G50-204	Leather Palm Low Safety Cuff	

### Brown Cotton Jersey Work Gloves

- 100% Brown cotton
- One size fits all
- Knit wrist
- 8 oz



Part #	Mfg #	Description	Price
030869	G50-200	Brown	

### Disposable Latex Gloves

- 50 per box
- Powder free
- Large



Part #	Mfg #	Description	Price
224077	G50212	Blue Latex	

### Vinyl Disposable Gloves

- 8 Pack
- Powder free
- Heavy-duty, multi-purpose
- One size fits all



Part #	Mfg #	Description	Price
190128	G50302	Blue Vinyl	

### Blue Nitrile Gloves

- Powdered
- (50) Pair per box
- Thickness: 3 mil



Part #	Mfg #	Description	Price
227056	G50230	Blue Nitrile, LG/XL	

### Gloves (Continued) Blue Nitrile Gloves

Part #	Mfg #	Description	Price
226327	G50231	Blue Nitrile, M/LG	

### Disposable Respirators

#### Dust Mask

- Disposable
- Non Toxic



Part #	Mfg #	Description	Price
175628	G30021	Box of Dust Masks	

### Safety Hats

#### White Safety Hat

- Meets ANSI z89.1 requirements
- Short peak design creates greater upward visibility
- Comfortable 4-point suspension with terry cloth sweatbands



Part #	Mfg #	Description	Price
188732	H40002	Fits Sizes 6-1/2-8	
188735	H40004	Fits Sizes 6-1/2-8, Ratchet Suspension	

### Miscellaneous Work Wear

#### Cotton Canvas Drop Cloth

- 8 oz.
- Absorbs and traps spills
- Washable and reusable



Part #	Mfg #	Description	Price
188740	G02010	6' x 9'	

**Gloves, Ear Plugs, Goggles, ETC**

**Cowhide Drivers Gloves**

**Elastic Back Rough Rider Gloves**

- Made from top-grain leather
- Deep oil tanned
- Sewn with inset, keystone thumb
- Bound at cuff with leather
- Elastic back for an easy-on easy-off fit



Part #	Mfg #	Size	Qty	Price
051840	2500-L	Large	1 Pair	

**Latex and Vinyl Coated Gloves**

**Yellow Flock Lined Latex Cleaning Gloves**

- 18 Mil natural latex
- Unsupported
- Soft flock lining absorbs moisture for easy off and on



Part #	Mfg #	Size	Qty	Price
051851	6000-L	Large	1 Pair	

**Side Split Leather Gloves**

**Premium Side Split Leather Palm Gloves**

- Blue
- Side-split leather work gloves for longer wear and better protection
- Safety cuff



Part #	Mfg #	Size	Qty	Price
051839	2110-L	Large	1 Pair	

**Hearing Protection**

**MAX Ear Plugs**

- Preshaped foam
- NRR33 Rated



Part #	Mfg #	Description	Qty	Price
051843	9500	Uncorded	100/Pk	

**Grain Leather Gloves**

**Rough Rider Grain Leather Palm Gloves**

- Made from top-grain leather
- Deep oil tanned
- Lined with 100 grams 3M Thinsulate insulation
- Heavy yellow canvas
- Knit wrists



Part #	Mfg #	Size	Qty	Price
051841	2160-L	Large	1 Pair	

**Howard Leight Quiet Ear Plugs**

- Corded



Part #	Mfg #	Description	Qty	Price
051844	9522	Corded		

**Disposable Respirators**

**Nuisance Dust Mask**

- Filters pollen, dust and other non-toxic particles from the air
- Withstands hot and humid conditions
- Double-shell construction resists collapse
- Easily adjustable nosepiece



Part #	Mfg #	Description	Qty	Price
051842	9700	Dust Mask	50/Box	

**Jersey Gloves**

Part #	Mfg #	Size	Qty	Price
051837	1100-L	9 oz Large	1 Pair	

**Double Palm and Chore Cotton Gloves**

**Galeton Gold Cotton Chore Cotton Gloves**

- 18 oz Quilted gold cotton chore
- Two layers of soft cotton
- Insulated against heat and cold
- Knit wrist



Part #	Mfg #	Size	Qty	Price
051838	3112-L	Large	1 Pair	



## Work Gear

### Work Wear

#### GridIron™ Zip-to-Thigh Bib Overall

- Freeflex™
- No Days Off™
- 2" Adjustable waist
- Durable metal buckles
- 100g high-loft insulation
- Tarnish resistant metal zippers
- Pockets include:
  - 2 front hand pockets
  - 2 large back pockets
  - 3 side leg pockets
  - Utility chest pocket
  - Tape measure & hammer loops



Part #	Mfg #	Waist	Inseam	Price
241320	261B-SS	28"-30"	28"	
241319	261B-SR	28"-30"	30"	
241321	261B-ST	28"-30"	32"	
241317	261B-MS	32"-34"	28"	
241316	261B-MR	32"-34"	30"	
241318	261B-MT	32"-34"	32"	
241314	261B-LS	36"-38"	28"	
241313	261B-LR	36"-38"	30"	
241315	261B-LT	36"-38"	32"	
241323	261B-XLS	40"-42"	28"	
241322	261B-XLR	40"-42"	30"	
241324	261B-XLT	40"-42"	32"	
241308	261B-2XS	44"-46"	28"	
241307	261B-2XR	44"-46"	30"	
241309	261B-2XT	44"-46"	32"	
241311	261B-3XS	48"-50"	28"	
241310	261B-3XR	48"-50"	30"	
241312	261B-3XT	48"-50"	32"	

#### Hooded Jacket - Black

- GridIron™ Ripstop polyester
- FreeFlex™ Mobility
- Wind and water resistant
- 100g of High-loft insulation
- Fitted hood
- Rib knit cuffs and waist



Part #	Mfg #	Size	Price
224060	252B-S	Small	
224061	252B-M	Medium	
224062	252B-L	Large	
224063	252B-XL	Extra Large	
224065	252B-2X	2X Large	

### Work Wear (Continued)

#### Hooded Jacket - Black

Part #	Mfg #	Size	Price
224066	252B-3X	3X Large	

#### WorkSkin™ Cold Weather Base Layer - Gray

- Fast wicking sweat zones move moisture away from under arms and upper back
- Durable body fabric
- Drop tail extended back
- Seamless shoulders



Part #	Mfg #	Size	Price
224068	401G-S	Small	
224069	401G-M	Medium	
224070	401G-L	Large	
224071	401G-XL	Extra Large	
224072	401G-2X	2X Large	
224073	401G-3X	3X Large	

#### WorkSkin™ Light Weight Performance Shirt

- CoolCore® fabric
- Seamless shoulders
- Drop tail extended back
- Fast wicking sweat zones extend down the back and under the arms



Part #	Mfg #	Size	Price
238077	410G-S	Small	
238078	410G-M	Medium	
238079	410G-L	Large	
238080	410G-XL	Extra Large	
238081	410G-2X	2X Large	
238082	410G-3X	3X Large	

#### WorkSkin™ Light Weight Performance Shirt High Visibility

- CoolCore® fabric
- Seamless shoulders
- Drop tail extended back
- Fast wicking sweat zones extend down the back and under the arms



Part #	Mfg #	Size	Price
238055	410HV-S	Small	
238056	410HV-M	Medium	
238058	410HV-L	Large	





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## Work Gear

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### Work Wear (Continued)

#### WorkSkin™ Light Weight Performance Shirt High Visibility

Part #	Mfg #	Size	Price
238059	410HV-XL	Extra Large	
238061	410HV-2X	2X Large	
238063	410HV-3X	3X Large	

## Heated Gear

### Heated Jackets

#### All Kits Include

- (1) M12™ Heated Jacket
- (1) M12 REDLITHIUM™ 2.0 Compact Battery Pack (48-11-2420)
- (1) M12™ Lithium-ion Battery Charger (48-59-2401)
- (1) M12™ Battery Holder with 2.1A USB Charger

#### M12™ 3-in-1 Heated Jacket - Black

- Chest and back zones
- Up to 8 hours of run-time
- GridIron™ Ripstop polyester
- Low profile battery
- Washer and dryer safe
- FREEFLEX™ Mobility
- 3 Heat settings: High, Med, Low



#### Kits

Part #	Mfg #	Size	Price
224038	251B-21S	Small	
224039	251B-21M	Medium	
224041	251B-21L	Large	
224042	251B-21XL	Extra Large	
224043	251B-212X	2X Large	
224044	251B-213X	3X Large	

#### Jacket Only (Less Battery Pack)

Part #	Mfg #	Size	Price
224032	251B-20S	Small	
224033	251B-20M	Medium	
224034	251B-20L	Large	
224035	251B-20XL	Extra Large	
224036	251B-202X	2X Large	
224037	251B-203X	3X Large	

### M12™ Heated Jacket - Black

- Chest and back zones
- Up to 8 hours of run-time
- TOUGHSHELL™ Stretch polyester
- Low profile battery
- Washer and dryer safe
- FREEFLEX™ Mobility
- 3 Heat settings: High, Med, Low



#### Kits

Part #	Mfg #	Size	Price
223832	201B-21S	Small	
223833	201B-21M	Medium	
223834	201B-21L	Large	
223835	201B-21XL	Extra Large	
223837	201B-212X	2X Large	
223838	201B-213X	3X Large	

#### Jacket Only (Less Battery Pack)

Part #	Mfg #	Size	Price
223817	201B-20S	Small	
223827	201B-20M	Medium	
223828	201B-20L	Large	
223829	201B-20XL	Extra Large	
223830	201B-202X	2X Large	
223831	201B-203X	3X Large	

### M12™ Heated Jacket - Gray

- Chest and back zones
- Up to 8 hours of run-time
- TOUGHSHELL™ Stretch polyester
- Low profile battery
- Washer and dryer safe
- FREEFLEX™ Mobility
- 3 Heat settings: High, Med, Low



#### Kits

Part #	Mfg #	Size	Price
223852	201G-21S	Small	
223853	201G-21M	Medium	
223854	201G-21L	Large	
223855	201G-21XL	Extra Large	
223856	201G-212X	2X Large	
223857	201G-213X	3X Large	

## Heated Gear

### Jacket Only (Less Battery Pack)

Part #	Mfg #	Size	Price
223841	201G-20S	Small	
223842	201G-20M	Medium	
223848	201G-20L	Large	
223849	201G-20XL	Extra Large	
223850	201G-202X	2X Large	
223851	201G-203X	3X Large	

### M12™ Heated Jacket - Red

- Chest and back zones
- Up to 8 hours of run-time
- TOUGHSHELL™ Stretch polyester
- Low profile battery
- Waster and dryer safe
- FREEFLEX™ Mobility
- 3 Heat settings: High, Med, Low



#### Kits

Part #	Mfg #	Size	Price
223865	201R-21S	Small	
223866	201R-21M	Medium	
223973	201R-21L	Large	
223974	201R-21XL	Extra Large	
223975	201R-212X	2X Large	
223976	201R-213X	3X Large	

### Jacket Only (Less Battery Pack)

Part #	Mfg #	Size	Price
223858	201R-20S	Small	
223859	201R-20M	Medium	
223860	201R-20L	Large	
223861	201R-20XL	Extra Large	
223862	201R-202X	2X Large	
223864	201R-203X	3X Large	

### M12™ Heated Jacket - Realtree Xtra® Camo

- Chest and back zones
- Up to 8 hours of run-time
- TOUGHSHELL™ Stretch polyester
- Low profile battery
- Waster and dryer safe
- FREEFLEX™ Mobility
- 3 Heat settings: High, Med, Low



#### Kits

Part #	Mfg #	Size	Price
223983	221C-21S	Small	
223984	221C-21M	Medium	
223985	221C-21L	Large	
223986	221C-21XL	Extra Large	
223988	221C-212X	2X Large	
223989	221C-213X	3X Large	

### Jacket Only (Less Battery Pack)

Part #	Mfg #	Size	Price
223977	221C-20S	Small	
223978	221C-20M	Medium	
223979	221C-20L	Large	
223980	221C-20XL	Extra Large	
223981	221C-202X	2X Large	
223982	221C-203X	3X Large	

### M12™ Women's Heated Jacket - Black

- Chest and back zones
- Up to 8 hours of run-time
- TOUGHSHELL™ Stretch polyester
- Low profile battery
- Waster and dryer safe
- FREEFLEX™ Mobility
- 3 Heat settings: High, Med, Low



#### Kits

Part #	Mfg #	Size	Price
223990	231B-21S	Small	
223992	231B-21M	Medium	
223993	231B-21L	Large	
223994	231B-21XL	Extra Large	

## Heated Gear

### Heated Jackets (Continued)

#### M12™ Women's Heated Jacket - Black Kits

Part #	Mfg #	Size	Price
223995	231B-212X	2X Large	

### Heated Hoodies

All kits include

- (1) M12™ Heated Hoodie
- (1) M12™ REDLITHIUM™ Battery (48-11-2401)
- (1) M12™ Lithium-ion Battery Charger (48-59-2401)
- (1) M12™ Battery Holder

#### M12™ Heated Hoodie - Black

- Chest and back zones
- Up to 6 hours of run-time
- Waffle weave lining traps heat
- Waster and dryer safe
- Durable utility pockets
- 3 Heat settings: High, Med, Low



Kits

Part #	Mfg #	Size	Price
224014	301B-21S	Small	
224015	301B-21M	Medium	
224016	301B-21L	Large	
224017	301B-21XL	Extra Large	
224018	301B-212X	2X Large	
224019	301B-213X	3X Large	

#### Hoodie Only (Less Battery Pack)

Part #	Mfg #	Size	Price
224008	301B-20S	Small	
224009	301B-20M	Medium	
224010	301B-20L	Large	
224011	301B-20XL	Extra Large	
224012	301B-202X	2X Large	
227263	301B-203X	3X Large	

#### M12™ Heated Hoodie - Gray

- Chest and back zones
- Up to 6 hours of run-time
- Waffle weave lining traps heat
- Waster and dryer safe
- Durable utility pockets
- 3 Heat settings: High, Med, Low



Kits

Part #	Mfg #	Size	Price
224002	301G-21S	Small	
224003	301G-21M	Medium	
224004	301G-21L	Large	
224005	301G-21XL	Extra Large	
224006	301G-212X	2X Large	
224007	301G-213X	3X Large	

#### Hoodie Only (Less Battery Pack)

Part #	Mfg #	Size	Price
223996	301G-20S	Small	
223997	301G-20M	Medium	
223998	301G-20L	Large	
223999	301G-20XL	Extra Large	
224000	301G-202X	2X Large	
224001	301G-203X	3X Large	

#### M12™ Heated Hoodie - Red

- Chest and back zones
- Up to 6 hours of run-time
- Waffle weave lining traps heat
- Waster and dryer safe
- Durable utility pockets
- 3 Heat settings: High, Med, Low



Kits

Part #	Mfg #	Size	Price
224026	301R-21S	Small	
224027	301R-21M	Medium	
224028	301R-21L	Large	
224029	301R-21XL	Extra Large	
224030	301R-212X	2X Large	
224031	301R-213X	3X Large	

#### Hoodie Only (Less Battery Pack)

Part #	Mfg #	Size	Price
224022	301R-20L	Small	
224021	301R-20M	Medium	

## Heated Gear

### Heated Hoodies (Continued)

#### M12™ Heated Hoodie - Red

Hoodie Only (Less Battery Pack)

Part #	Mfg #	Size	Price
224020	301R-20S	Large	
224023	301R-20XL	Extra Large	
224024	301R-202X	2X Large	
224025	301R-203X	3X Large	

#### M12™ Heated Vest - Black

- Up to 6 hours of run-time
- GridIron™ Ripstop polyester
- Thermal fleece lining
- 3 Heat settings: High, Med, Low



#### Kits

- (1) M12™ Heated Vest - Black (Vest Only) (271B-20)
- (1) M12™ REDLITHIUM™ Battery (48-11-2401)
- (1) M12™ Battery Holder

Part #	Mfg #	Size	Price
224054	271B-21S	Small	
224055	271B-21M	Medium	
224056	271B-21L	Large	
224057	271B-21XL	Extra Large	
224058	271B-212X	2X Large	
224059	271B-213X	3X Large	

#### Vest Only (Less Battery Pack)

Part #	Mfg #	Size	Price
224045	271B-20S	Small	
224046	271B-20M	Medium	
224049	271B-20L	Large	
224050	271B-20XL	Extra Large	
224051	271B-202X	2X Large	
224053	271B-203X	3X Large	

### Heated Hand Warmers

#### Kits Include

- (1) M12™ Cordless heated hand warmer only
- (1) M12™ REDLITHIUM™ battery (48-11-2401)
- (1) M12™ Lithium-ion battery charger (48-59-2401)
- (1) M12™ Battery holder

#### M12™ Cordless Black Heated Hand Warmer



Part #	Mfg #	Description	Price
160200	2322-21	Black Hand Warmer Kit	
160199	2322-20	Black Hand Warmer Only	

#### M12™ Cordless Realtree Xtra® Camo Heated Hand Warmer



Part #	Mfg #	Description	Price
160198	2321-21	Camo Hand Warmer Kit	
160197	2321-20	Camo Hand Warmer Only	

**Safety Glasses**

**Safety Glasses  
Dakura Safety Glasses**



Part #	Mfg #	Description	Price
160443	TSM21-G15-7	Safety Glasses Polarized Silver	
160444	TSM216	Safety Glasses Black Smoke Polarized	

**Kazbek Safety Glasses**



Part #	Mfg #	Description	Price
160442	TSKXL-111	Safety Glasses Black Clear	
160441	TSKAP218	Safety Glasses Polarized Blue	

**Zorge Saftey Glasses**



Part #	Mfg #	Description	Price
160436	DZ111	Saftey Glasses Clear	
160437	DZ111-2.0	Saftey Glasses Magnifier Clear	
160438	DZ112	Saftey Glasses Yellow	
160439	DZ116	Saftey Glasses Smoke	

**Wolf Peak Safety Glasses**



Part #	Mfg #	Description	Price
160445	TSRAP	Reclus Polarized Black/Aqua Precision Blue	

**Kirova Saftey Glasses**

- Anti-reflective



Part #	Mfg #	Description	Price
160435	AB111AR	Safety Glasses Anti-Reflective	

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## Safety Glasses

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### Nemesis® Safety Glasses

- *Soft-touch temples*
- *99.9% UV resistant*
- *Single lens wrap-around*



Part #	Mfg #	Lense Type	Price
146053	G30-011	Clear	
105548	G30-012	Smoke Mirror	
201450	G30-013	Blue Mirror	
128696	G30-014	Camo/Bronze	

### Hellraiser Safety Glasses



Part #	Mfg #	Lense Type	Price
135022	G30-015	Clear	
135023	G30-016	Smoke	



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**Safety Glasses**

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**Safety Glasses**

**Sportster Safety Glasses**

- Curved, wrap-around lenses
- Super-light
- 99% UV-A & UV-B Protection



Part #	Mfg #	Description	Qty	Price
080260	9200042	Indoor/Outdoor	1 Pair	

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## Shoe Covers

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### Shoe Covers

#### Waterproof Shoe Cover

- Skid-proof soles
- Waterproof
- Multiuse or disposable
- Dispenser box
- Designed to fit over a size 18 work boot
- Dark blue



Part #	Mfg #	Description	Price
138851	20361	Waterproof Shoe Covers, Box of 50	

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**Shoe Covers**

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**Shoe Covers**  
**Shoe Liner Booty**

Part #	Mfg #	Description	Price
145266	SC-1	Bx/50 Pair Shoe Liner Bootie	
237939	SC-1WP	Bx/40 Pair Shoe Liner Bootie	



## Shoe Covers

### Shoe Covers

#### Disposable Shoe Covers

- Blue-spun polypropylene, non-waterproof
- Fits over shoe sizes 5-15



Part #	Mfg #	Description	Price
076120	390-50176	Shoe Covers - 50 Per Box	

## Shoe Covers

### Yaktrax® Ice Traction Devices

#### Yaktrax® Icewalker

- Ultra lightweight ice traction
- Easy on/off
- Spikeless patented skid lock coil system
- Abrasion resistant 1.2mm steel coil
- Rust-resistant and crush-resistant
- 100% Satisfaction guaranteed



Part #	Mfg #	Size	Color	Fits Shoe Size:	Price
130634	08601	Small	Black	Men's 5 to 8-1/2, Women's 6-1/2 to 10	
128220	08603	Medium	Black	Men's 9 to 11, Women's 10-1/2 to 12-1/2	
128219	08605	Large/Extra-Large	Black	Men's 11-1/2 to 13-1/2, Women's 13 to 15	



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