Preferred™

Parts & Accessories

Top quality parts and supplies for
HVAC & Plumbing Industries

2013 CATALOG

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Preferred™
Parts & Accessories

INTRODUCTION

Thank you for considering Preferred Parts as your source for parts, maintenance, and service product requirements. Preferred is your ultimate provider for heating, cooling, and plumbing aftermarket parts and accessories, supplies, tools, and chemicals. We offer today's most extensive variety of HVAC and Plumbing related products available from one source. Our pricing, promotions, and marketing expertise will help you build and sustain a thriving aftermarket parts business.

Our New Preferred Products Catalog has been created to support your sales efforts with easy to find category product tabs and additional indexing by product name or part number. Comprehensive product information is also available by visiting our website at www.preferredzone.com.

The Preferred team is committed to serving you. We hope you will find this catalog to be a valuable tool in growing your business in today's highly competitive atmosphere. We are continually searching for new and better ways to serve your business. Please feel free to share any suggestions for new products to include in our catalog offerings.

WHO IS PREFERRED

Preferred is headquartered in an 185,000 square foot distribution facility near Greensboro, NC. Our state of the art logistics capabilities and large inventory of aftermarket replacement and repair parts, supplies and accessories are specifically oriented to serving the HVAC and Plumbing industry. Our product mix offers a one-stop-shop for distributors, and dealers working in the residential and light commercial HVAC and Plumbing marketplace.

POSITION STATEMENT

The Preferred Group works with dealers to grow their revenues and market share in three primary areas:

1. Economic product planning and inventory control.
2. Our distribution centers are dedicated to aftermarket products. Using state of the art logistics systems, we can process orders and replenish distributor's inventory, in most cases, overnight.
3. Broad range of HVAC and Water Heater products and accessories at competitive prices including our line of products sold under the Preferred name.
4. Innovative new product programs. Working with our customers, Preferred is continuously searching for and reviewing new products.

POLICIES AND PROCEDURES

The proper and accurate ordering of replacement parts is one of the most important functions for maintaining an adequate parts inventory to gain customer satisfaction. The detailed information that follows encompasses nearly every function and service Preferred has created to provide you with reliable product fulfillment. Dealers taking advantage of these programs and policies can improve inventory turns.

PAYMENT TERMS

The standard terms on all parts orders are as per our agreement with your master billing account.

PRICING

Preferred products dealer and distributor pricing is based on both market level and value added. We will do all we can to provide our customers with competitive pricing.

Price Pages – List Price Pages will be provided in printed form and as electronic data files on an annual basis.

Dealer and Distributor Net Price – The current dealer and distributor net price is determined using a multiplier off the published list price.

List Price – List prices in Preferred Products publications are suggested list prices only. They are for the convenience of the distributor and their dealers. The list prices should only be interpreted as suggested MSRP or resale price.

Price Changes – Although we will do all possible to maintain price levels, price revisions may be issued between annual list price publications. These revisions will include part number additions and deletions as well as price increases and decreases. These addendums will be broadly communicated and updated on our web site at www.preferredzone.com.

Price Effective Dates – All parts purchased are invoiced at the dealer and distributor price in effect at the time the order is shipped by Preferred.

WARRANTY

All products purchased through Preferred carry a one year limited warranty unless otherwise noted by the manufacturer. If a warranty exceeds the standard parts warranty, Preferred will honor the term of the manufacturer's warranty.

ORDERING

Preferred iStore

Preferred iStore is the preferred order entry method. In iStore you can search products, create a shopping list, enter orders, track orders, view availability and download price books.

For iStore setup go to www.preferredzone.com or email us at info@askpreferred.com.

Alternative Order Entry

Email: orders@askpreferred.com
Fax: 479-648-4792

ORDER TYPES

There are three basic types of parts orders available to all distributors:

- Regular parts orders (RPO)
- Priority parts orders (PPO)
- Special promotions and new product introductions

REGULAR PARTS ORDERS

Regular parts orders should be used for all standard orders. Regular parts orders will ship as soon as product is available.

- **Shipment** – Standard parts orders are normally scheduled for shipment within two (2) business days following the day the order is received for all stock items. Special order items will be shipped based on the designated lead time.

- **Freight** – Transportation charges are freight prepaid on orders totaling $500 or more. Orders not reaching the prepaid minimum will be shipped prepaid and add. The Distributor will be billed at our low preferred shipping rate.
- Selected large merchandise such as compressors is not included in our standard prepaid policy. Please check with our Customer Service Department at 479.648.6237 for details.
- **Minimum Order** – The minimum order amount of regular parts order (RPO) is $25.00 at distributor's net billing price.
- **Drop Shipment** – There will be a $10.00 charge for small drop shipments.

PRIORITY PARTS ORDERS

Priority parts orders are accepted by at any time between 8:00 AM to 1:30 PM Eastern Standard Time. All priority orders receive the highest priority and are shipped air freight. Freight cost will be paid by the distributor.

- **Shipment** – Priority parts orders will normally be scheduled for shipment the same day if received by 1:30 PM Eastern Time. Orders received after 1:30 PM will normally be scheduled for shipment the next business day.

SPECIAL PROMOTION ORDERS

Preferred programs offer dealers and distributors additional purchasing opportunities with discounts in the spring and fall. The discounts are based on various show promotions and incentives. Refer to your pre-show mailings for specific time periods and discounts. Be sure to indicate the promotion name when submitting your order.

- **Order window** – Any number of show orders can be entered, however, each order must qualify individually for its individual level of discounts.
- **Shipment** – Orders will normally be scheduled for shipment within five (5) business days of the requested ship date.

ORDER INQUIRY

Information concerning an order status can be obtained from our website or by contacting our Customer Service Department at 479.648.6237. Always provide as much order reference information as possible, including your customer account number, order number and your purchase order number.

PROOF OF DELIVERY

Assistance for proof of delivery for parts orders may be requested through the Preferred Customer Service Department. Proof of delivery must be requested within sixty (60) days of shipment and invoice date.

RETURNS

All returns require a return materials authorization (RMA). This form is on our website: www.preferredzone.com. Returns must be in new and re-sellable condition and are subject to a 15% restocking charge. Email completed RMA form to returns@askpreferred.com

DAMAGED OR LOST IN TRANSIT

The responsibility for shipment of transit damaged product is transferred to the distributor upon delivery of goods in good order to the transportation company. When the shipment is delivered to the distributor by the transportation company in poor or damaged condition, the purchaser should require the transportation company's agent to make notation of damages or shortages on both copies of the delivery receipt in order to enable the distributor to process a claim with the carrier. Any concealed damages should be reported immediately to the carrier. The carrier should inspect the shipment and make any necessary notations. Preferred Parts is not responsible for any settlement of claims for concealed damage.

SALES AND MARKETING PROGRAMS

Preferred Parts offers a variety of marketing programs and sales tools to enable you to grow your parts and accessories business.

1. Become a destination one-stop-shop for your customers and contractors by stocking accessible replacement, maintenance, repair parts, and accessories.
2. Improve your margin and increase turns for inventory.
3. It's a natural course of business to include parts in your product offering.
4. Avoid the current market trend of customer's tendency to replace rather than repair by having the right part on hand at the right time.

DEALER MARKET AND PRESEASON PROGRAMS

Preferred offers dealers additional opportunities for discounts and special pricing through our semi-annual Dealer Market programs. Special promotional terms may apply on promotional orders.

NEW PRODUCT PROMOTION

New product discounts and promotions will be offered as items are added to our master product list.

MERCHANDISING PROGRAM

First impressions and ease of shopping are important to your dealers/contractors. Therefore we have created a Merchandising Program to help make your store as effective as possible. Preferred offers customized merchandising kit programs that are available for purchase. Kits include Preferred Parts identification, branding materials for any size store, and point of purchase signage.

PLANOGRAM AND STOCKING DISCOUNTS

New display placements and stocking incentives are available to dealers wishing to grow their business by promoting HVAC and plumbing categories. Please contact: marc.edwards@askpreferred.com.

CATALOG AND PRICE PAGE

Preferred will update this catalog and price list annually. The catalog includes universal replacement parts, installation and maintenance accessories,and indoor air quality and zoning equipment. This catalog can easily be co-marketed to include your company logo and information.

A special communication will be announced when this catalog is ready for updates to give you the opportunity to customize the cover with your logo and other information.

WEB SOURCE

www.preferredzone.com

The Preferred website is a valuable tool in helping you grow your business. Preferred will help you excel in your market by providing information and sales tools in a quick and easily accessible format. We have developed the Preferred Parts web tools to include:

- Part and product look up searchable database
- Product information and specifications
- New product/discontinued product information
- Special Programs/Promotions
- Catalog, product literature and order forms
- JPG images of products
- Marketing Manual

QUALIFIED PROFESSIONAL CUSTOMERS

Preferred offers dealers additional opportunities for discounts and special pricing through our semi-annual Dealer Market programs. Special promotional terms may apply on promotional orders.

THERMOSTATS & ALARMS

Emerson (White-Rodgers) Thermostats
Wall Plates
Thermostat Guards
Emerson (White-Rodgers) Remote Temperature Sensors
Fast-Stat Wire Extenders
Humidistats & Dehumidistats
Carbon Monoxide (CO) Alarms

EMERSON (WHITE-RODGERS) THERMOSTATS

90 Series Blue Touchscreen

- Bright 12 square inch Touchscreen display
- Dual-Powered – Choice of battery-powered or hardwired with battery back-up
- Universal – Choice of 7 day, 5/1/1 day programmable, or non-programmable (Installer selectable)
- Arm-chair programming
- Keypad lockout options
- Maintenance reminders
- Suitable for use with indoor and outdoor sensors
- Compressor short cycle protection
- 5-year limited warranty
- Additional features for 1F95-1291 only: Humidification and dehumidification controls

PART NO	PROG	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	DUEL FUEL READY	STAGES DUEL FUEL HEAT (HP/GAS)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)	INDOOR REMOTE SENSOR	OUTDOOR REMOTE SENSOR
1F95-1277	7, 5/1/1	2H/2C	3H/2C	Yes	2/2	Yes	Yes	Cool-Auto-Heat EM Heat-Off	On-Auto-Prog	Rc,Rh,C,W/E,W2, Y,Y2,G,B,O,L,6,+,S,-	5-7/8 x 4-5/6 x 1-1/4	F1451328 (1)	F1451378 (1)
			Outdoor Sensor Required										
1F95-1291	7, 5/1/1	2H/2C	4H/2C	Yes	2/2	Yes	Yes	Cool-Auto-Heat EM Heat-Off	On-Auto-Prog	Rc,Rh,C,W/E,W2,Y,Y2, G,O/B,6,DHM,HM,+,S,-	5-7/8 x 4-5/6 x 1-1/4	F1451328 (1)	F1451378 (1)
			Outdoor Sensor Required										
1F97-1277	7, 5/1/1	1H/1C	1H/1C	—	—	Yes	Yes	Cool-Auto-Heat	On-Auto-Prog	Rc,Rh,C,W,Y,G, L,O,B,6,+,S,-	5-7/8 x 4-5/6 x 1-1/4	F1451328 (1)	F1451378 (1)

90 Series Programmable

- Large lighted display with easy to read characters
- Keypad lockout options
- Maintenance reminders
- Suitable for use with up to three indoor sensors and one outdoor sensor
- Humidification and dehumidification controls
- Compressor short cycle protection
- 5-year limited warranty
- Additional features for 1F95CA-397 only: Works with Comfort Alert™ module active protection that shuts down the compressor during fault conditions to prevent permanent damage to the compressor

PART NO	PROG	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	DUEL FUEL READY	STAGES DUEL FUEL HEAT (HP/GAS)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)	INDOOR REMOTE SENSOR	OUTDOOR REMOTE SENSOR
1F95-397	7	2H/2C	3H/2C	Yes -	2/2	Yes	Yes	Cool-Auto-Heat EM Heat-Off	On-Auto-Prog	R,C,HM,W2,DHM, E/W1,Y2,Y1,B,O,G,L,SA,SB,SC,OT	6-7/8 x 4-1/8 x 1-3/8	F1451328 (3)	F1451378 (1)
			Outdoor Sensor Required										
1F95CA-397	7	2H/2C	3H/2C	Yes -	2/2	Yes	Yes	Cool-Auto-Heat EM Heat-Off	On-Auto-Prog	R,C,E/W1,W2,O,B,Y1, Y2,L,G,SA,SB,SC,OT,DHM,HM	6-7/8 x 4-1/8 x 1-3/8	F1451328 (3)	F1451378 (1)
			Outdoor Sensor Required										

80 Series Blue 4" Programmable

- Large 4 square inch blue display with easy to read characters
- Dual-Powered - Choice of battery-powered or hardwired with battery back-up
- Patented pre-programmed software simplifies time and temperature programming
- Exclusive Cool Savings™ feature saves energy during peak A/C demand periods
- Exclusive battery power monitor
- Compressor short cycle protection
- 5-year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1F80-0471	5/2, 5/1/1	1H/1C	1H/1C	Yes	No	Cool-Auto-Heat-Off	On-Auto	Rh,Rc,C,W,Y,G,O\B	4-1/2 x 3-1/2 x 1-1/8
1F85-0422	5/2, 5/1/1	2H/2C	3H/2C	Yes	No	Cool-Auto-Heat-EM Heat-Off	On-Auto	RH,RC,C,E/W1,W2,G,Y1,Y2,O,B,L	5-1/8 x 3-7/8 x 1-1/4
1F85-0477	7, 5/1/1	2H/2C	3H/2C	Yes	No	Cool-Auto-Heat-EM Heat-Off	On-Auto	RH,RC,C,W/E,W2,G,Y,Y2,O,B,L,6	5-1/8 x 3-7/8 x 1-1/4

EMERSON (WHITE-RODGERS) THERMOSTATS

80 Series Blue 4" Non-Programmable

- Large 4 square inch blue display with easy to read characters
- Dual-Powered - Choice of battery-powered or hardwired with battery back-up
- Exclusive Cool Savings™ feature saves energy during peak A/C demand periods
- Exclusive battery power monitor
- Compressor short cycle protection
- 5-year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1F83-0471	None	1H/1C	3H/2C	Yes	No	Cool-Off-Heat-EM Heat	On-Auto	Rh,Rc,C,G,W/E,W2,Y2,O/B,6,L	4-1/2 x 3-1/2 x 1-1/8
1F86-0471	None	1H/1C	1H/1C	Yes	No	Cool-Auto-Heat-Off	On-Auto	Rh,Rc,C,W,Y,G,O\B	4-1/2 x 3-1/2 x 1-1/8

80 Series Blue 2" Programmable

- 2 square inch blue display with easy to read characters
- Dual-Powered - Choice of battery-powered or hardwired with battery back-up
- Patented pre-programmed software simplifies time and temperature programming
- Exclusive Cool Savings™ feature saves energy during peak A/C demand periods
- Exclusive battery power monitor
- Compressor short cycle protection
- 5-year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1F80-0261	5/1/1	1H/1C	1H/1C	No	No	Cool-Off-Heat	On-Auto	R,C,Y,W,G,O/B	4-13/16 x 3-13/16 x 1-1/2
1F82-0261	5/1/1	—	2H/1C	No	No	Cool-Off-Heat	On-Auto	R,C,Y,W2,G,O/B,L	4-13/16 x 3-13/16 x 1-1/2

80 Series Blue 2" Non-Programmable

- 2 square inch blue display with easy to read characters
- Dual-Powered - Choice of battery-powered or hardwired with battery back-up
- Exclusive Cool Savings™ feature saves energy during peak A/C demand periods
- Exclusive battery power monitor
- Compressor short cycle protection
- 5-year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1F86-0244	None	1H/1C	1H/1C	No	No	Cool-Off-Heat	On-Auto	R,C,Y,W,G,O/B	4-13/16 x 3-13/16 x 1-1/2
IF89-0211	None	—	2H/1C	No	No	Cool-Off-Heat	On-Auto	R,C,Y,W2,G,O/B,L	4-13/16 x 3-13/16 x 1-1/2

80 Series Programmable

- Lighted digital display
- Fast and easy to program
- Permanent program retention
- Easy to wire terminal block
- Compressor short cycle protection
- 5-year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1F85-277	7, 5/1/1	2H/2C	3H/2C	Yes	No	Cool-Auto-Heat-EM Heat-Off	On-Auto	R,C,E/W1,W2,G,Y1,Y2,O,B,L	6-1/8 x 3-3/4 x 1-1/4

EMERSON (WHITE-RODGERS) THERMOSTATS

80 Series Non-Programmable

- Lighted digital display
- Easy to wire terminal block
- Compressor short cycle protection
- 5-year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1F86-241	None	1H/1C	1H/1C	No	No	Cool-Off-Heat	On-Auto	R,C,W2,Y,G,B/O,E,L	6-1/8 x 3-3/4 x 1-1/4

70 Series Programmable

- Digital display
- Economical upgrade to digital accuracy and energy savings
- Footprint covers wall marks of most mechanical thermostats without additional wall plate
- Easy to use
- Compressor short cycle protection
- 5-year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1F78-151	5/2	1H/1C	1H/1C	No	No	Cool-Off-Heat	On-Auto	Rh,Rc,G,W,Y,O,B	5-1/8 x 3-3/4 x 1-1/8

70 Series Non-Programmable

- Digital display
- Economical upgrade to digital accuracy and energy savings
- Footprint covers wall marks of most mechanical thermostats without additional wall plate
- Easy to use
- Compressor short cycle protection
- 5-year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1F78-144	None	1H/1C	1H/1C	No	No	Cool-Off-Heat	On-Auto	Rh,Rc,G,W,Y,O,B	5-1/8 x 3-3/4 x 1-1/8
1F79-111	None	N/A	2H/1C	No	No	Cool-Off-Heat-EM Heat	On-Auto	R,C,W2,Y,G,O/B,E,L	5-1/8 x 3-3/4 x 1-1/8

Mechanical (Mercury Free) Thermostats

- Mercury free replacement for hundreds of White-Rodgers and competitive models installed during the past 50 years
- Enclosed contacts for increased reliability and accuracy
- Includes terminal wallplate for 3-wire zone valve applications
- Available in both horizontal (1F56N-444) and vertical (1E56N-444) configurations
- 5 Year limited warranty

PART NO	PROGRAMMING	STAGES HEAT/COOL (CONV)	STAGES HEAT/COOL (HEAT PUMP)	AUTO CHANGE OVER	PROG FAN	SYSTEM SWITCHES	FAN SWITCH	CONNECTIONS	SIZE WxHxD (IN)
1E56N-444	None	1H/1C	1H/1C	No	No	Cool-Off-Heat	On-Auto	Rc,Rh,W,Y,G,O,B,A	3-1/4 x 4-1/2 x 1-5/8
1F56N-444	None	1H/1C	1H/1C	No	No	Cool-Off-Heat	On-Auto	Rc,Rh,W,Y,G,O,B,A	4-1/2 x 3-1/4 x 1-5/8

THERMOSTAT ACCESSORIES

WALL PLATES

F61-2301

PART NO	HEIGHT (IN)	WIDTH (IN)	COLOR	DESCRIPTION
F61-2301	5-5/8	5-3/4	White	Includes adapter for mounting to vertical junction box

F61-2500

PART NO	HEIGHT (IN)	WIDTH (IN)	COLOR	DESCRIPTION
F61-2500	4-5/8	7-5/8	White	Fits all 80 Series Emerson/White-Rodgers models except Blue models

F61-2252

PART NO	HEIGHT (IN)	WIDTH (IN)	COLOR	DESCRIPTION
F61-2252	5-5/8	5-3/4	Beige	Fits all 1F90 and 1F70 Emerson/White-Rodgers models

F61-2300

PART NO	HEIGHT (IN)	WIDTH (IN)	COLOR	DESCRIPTION
F61-2300	7-1/4	5-1/2	White	Fits all 1F90 Emerson/White-Rodgers models except Blue models

F61-2510

PART NO	HEIGHT (IN)	WIDTH (IN)	COLOR	DESCRIPTION
F61-2510	6-1/2	4-1/2	White	Fits all F70 Emerson/White-Rodgers models. Includes adapter for mounting to horizontal or vertical junction box

F61-2550

PART NO	HEIGHT (IN)	WIDTH (IN)	COLOR	DESCRIPTION
F61-2550	6-1/2	4-1/2	White	Fits all F70 Emerson/White-Rodgers models

F61-2600

PART NO	HEIGHT (IN)	WIDTH (IN)	COLOR	DESCRIPTION
F61-2600	8-1/8	5-3/8	White	Fits 90 Series Blue Emerson/White-Rodgers models. For use with or without horizontal junction box.

THERMOSTAT ACCESSORIES

WALL PLATES

F61-2634

PART NO	HEIGHT (IN)	WIDTH (IN)	COLOR	DESCRIPTION
F61-2634	5	6-1/2	White	Fits 90 and 80 Series Blue Emerson/White-Rodgers models. For use with or without horizontal junction box.

THERMOSTAT GUARDS

F29-0143

These durable poly guards are designed for use in offices, churches, restaurants, and other public areas to prevent adjustment of the thermostat by unauthorized personnel.

- Clear plastic keeps thermostat visible
- Can be mounted vertically or horizontally
- Includes options for both ring mount or solid plate mount
- Furnished with one key

PART NO	LENGTH (IN)	HEIGHT (IN)	DEPTH (IN)	COVER MATERIAL
F29-0143	6-3/8	3-1/2	3	Clear Plastic

F29-0222

These durable metal guards are designed for government, military, industrial, and education applications to prevent adjustment of the thermostat by unauthorized personnel.

- Beige enamel finish over heavy-duty steel enclosure
- Can be mounted vertically or horizontally
- Furnished with one key

PART NO	LENGTH (IN)	HEIGHT (IN)	DEPTH (IN)	COVER MATERIAL
F29-0222	6-5/8	4-1/2	3-3/8	Metal - 18 guage

EMERSON (WHITE-RODGERS) REMOTE TEMPERATURE SENSORS

- For use with all Emerson (White-Rodgers) thermostats with remote sensor capability
- Classic white color
- Digital signal output provides superior temperature control
- Works with a maximum 300 foot wire run

F1451328 Indoor Sensor

PART NO	DESCRIPTION
F1451328	Remote Indoor Sensor

F1451378 Outdoor Sensor

PART NO	DESCRIPTION
F1451378	Remote Outdoor Sensor

THERMOSTAT ACCESSORIES

FAST-STAT WIRE EXTENDERS

For over 15 years now, FAST-STAT wiring extenders have eliminated the need to re-pull thermostat and condenser cables when adding or upgrading HVAC equipment. FAST-STAT provides a significant savings in installation costs. A new system can be wired in about 20 minutes.

- Designed to have a minimum service life of 50 years; limited lifetime free replacement warranty
- Suitable for up to 300 ft. distance between sender and receiver (when using 18 AWG cable)
- No batteries required
- Common applications include:
  - Adding 2-stage heating
  - Adding single or 2-stage cooling
  - Heat pump conversion
  - Upgrading PTACs
  - Upgrading RTUs

FAST-STAT 1000 Wire Extender (Provides One Additional Wire to a Cable)

Model 1000 provides one additional conductor to a thermostat or condenser cable. For instance, with a 2-wire cable it can provide “R”, “W”, plus one of “G”, “Y”, “H”, “D”, “W2”or “Y2” and with a 4-wire cable it could provide “R”, “W”, “Y”, “G”, plus any one of “C”, “D”, “W2”, “Y2” or “O/B”. Common uses include adding manual fan control “G” to a heating system, Installing a powered thermostat that requires a common connection “C”, or upgrading to 2-stage cooling and providing “Y2” to the condenser.

PART NO	POWER INPUT (VAC)	NO OF CONTACTS	CONTACT CONFIG	CONTACT RATING (VAC)	CONTACT RATING (A)
1000	18-30	2	NO	24	2

FAST-STAT 3000 Wire Extender (Provides 4-Wire Control Over a 2-Wire Cable)

Model 3000 provides 4-wire control over 2-wire cable or 6-wire control over a 4-wire cable. With a 2-wire cable it can provide “R”, “W”, “G” and “Y”. With a 4-wire cable it can provide “R”, “W”, “Y”, “G”, plus any two of “C”, “D”, “W2”, “Y2” or “O/B”. Common uses include adding air conditioning to a heating system. Can also be used for heat pumps, 2-stage heating or cooling when an existing 4-wire thermostat cable is present.

PART NO	POWER INPUT (VAC)	NO OF CONTACTS	CONTACT CONFIG	CONTACT RATING (VAC)	CONTACT RATING (A)
3000	20-30	3	NO	24	2

FAST-STAT 5000 Wire Extender (Provides 6-Wire Control Over a 2-Wire Cable)

Model 5000 provides 6-wire control over 2-wire cable or 8-wire control over a 4-wire cable. With a 2-wire cable it can provide “R”, “C”, “W1”, “W2”, “G” and “Y”. With a 4-wire cable it can provide “R”, “C”, “W1”, “W2”, “G” and “Y”, plus any other two functions such as “H”, “D”, “W2”, “Y2” or “O/B”.Common uses include adding air conditioning to a heating system or installation of a 2-stage furnace. Can also be used for heat pumps, 2-stage heating or cooling when an existing 4-wire thermostat cable is present.

PART NO	POWER INPUT (VAC)	NO OF CONTACTS	CONTACT CONFIG	CONTACT RATING (VAC)	CONTACT RATING (A)
5000	20-30	4	NO	24	2

FAST-STAT 7000 Wire Extender (For Converting an Air Conditioner to a Heat Pump)

Model 7000 provides 7-wire control from the thermostat to the furnace or fan-coil over a 4-wire cable. This includes “R”, “C”, “G”, “W”, “Y1”, “Y2” and “O/B”. From the furnace or fan-coil to the heat pump it provides 6-wire control over a 2-wire cable. This includes “R”, “C”, “Y1”, “Y2”, “O/B” and “W” (defrost).Common uses include converting from an air conditioning to a heat pump (single or 2-stage) system.

PART NO	POWER INPUT (VAC)	NO OF CONTACTS	CONTACT CONFIG	CONTACT RATING (VAC)	CONTACT RATING (A)
7000	20-30	5	NO	24	2

FAST-STAT 9000 Wire Extender (For Converting Air Conditioner to a 1 or 2-Stage Heat Pump)

Model 9000 mounts between the control board on the indoor unit and the outdoor unit. Provides 2-stage air conditioning or heat pump control over the existing 2-wire condenser cable. It is designed to reduce installation time when converting from an air conditioner to a heat pump (single or 2-stage) system. It can also interact with Zone Controllers made by Honeywell and others.

PART NO	DESCRIPTION
9000	FAST-STAT 9000 Wire Extender

HUMIDISTATS & DEHUMIDISTATS

H8908ASPST Humidistat

Can be mounted in either vertical or horizontal configuration.

PART NO	VENDOR PART NO	VOLTAGE (VAC)	CONTACT CONFIG	CONTACT OPERATION	ADJUSTMENT RANGE (% RH)	MOUNTING LOCATON	SIZE WxHxD (IN)
H8908ASPST	H8908ASPST	24	SPST	Contacts close on humidity drop	10-60	Wall, Duct	5-1/2 x 4 x 2-1/2

45-25055-99 Humidistat

PART NO	VENDOR PART NO	VOLTAGE (VAC)	CONTACT CONFIG	CONTACT OPERATION	ADJUSTMENT RANGE (% RH)	MOUNTING LOCATON	SIZE WxHxD (IN)
45-25055-99	352680-008	24	SPST	Contacts close on humidity drop	20-80	Wall, Duct	4-3/4 x 2-7/8 x 1-3/8

H8908DSPST Dehumidistat

Can be mounted in either vertical or horizontal configuration.

PART NO	VENDOR PART NO	VOLTAGE (VAC)	CONTACT CONFIG	CONTACT OPERATION	ADJUSTMENT RANGE (% RH)	MOUNTING LOCATON	SIZE WxHxD (IN)
H8908DSPST	H8908DSPST/U	24	SPST	Contacts close on humidity rise	10-60	Wall, Duct	5-1/2 x 4 x 2-1/2

41-25066-02 Dehumidistat

PART NO	VENDOR PART NO	VOLTAGE (VAC)	CONTACT CONFIG	CONTACT OPERATION	ADJUSTMENT RANGE (% RH)	MOUNTING LOCATON	SIZE WxHxD (IN)
41-25066-02	J10-809-070	24	SPST	Contacts close on humidity rise	20-80	Wall	4-3/8 x 2-7/8 x 1-1/2

CARBON MONOXIDE (CO) ALARMS

KN-COB-BCB-A 900-0193 AC Powered Plug-In with Battery Backup

The Kidde KN-COB-BCB-A 900-0193 AC carbon monoxide alarm plugs directly into a standard wall outlet making installation quick and easy. The 9-volt battery backup provides protection even during power outages when many CO incidences occur. The tamper resist feature deters tampering or theft of the unit. It is a great CO alarm for property owners that are concerned with theft, or parents with small children. This feature alerts you if the unit has been unplugged or if it has come loose from the wall outlet. The Kidde AC/DC carbon monoxide alarm uses advanced electromechanical sensing technology to monitor for carbon monoxide levels in your home. This alarm has a clean, low profile design along with two LED's; green for normal operation and red for alarm mode. Provides a loud warning signal against the dangers of elevated CO levels. This alarm is easily installed in AC wall outlets. The green LED shows that AC power is present and the alarm is working properly. The red LED will illuminate when the alarm detects carbon monoxide. UL Listed with a 5-year limited warranty.

- Tamper resist feature - Unit goes into constant alarm mode if it has been unplugged or has come loose from the outlet
- 9V Battery backup - Provides continuous protection even during power outages.
- Low battery hush® - Silences low battery chirp warning for up to twelve hours in order to maintain protection without having to replace the battery at an inconvenient time
- Easy installation - Mounts to any wall outlet
- Battery pull tab - Eliminates battery installation time and keeps battery fresh
- Loud 85dB alerts
- Test/Reset button - Tests the alarm electronics and resets the unit during alarm
- Green LED - Indicates alarm is receiving power and operating properly
- Red LED - Illuminates when in alarm mode

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
21006137		Carbon Monoxide Alarm - AC Powered (Battery Backup) - PDQ Pack	2	Yes
21006462		Carbon Monoxide Alarm - AC Powered (Battery Backup) - Bulk Pack	6	Yes

CARBON MONOXIDE (CO) ALARMS

9CO5-LP Battery Operated

The Kidde 9CO5-LP battery operated carbon monoxide alarm utilizes sophisticated electronic components to protect from the dangers of carbon monoxide. This alarm includes a slide-out battery door that gives immediate access to the batteries and a safety feature that makes it difficult to close the door without the batteries being installed. Inside cover of battery door features quick reference guide for what to do in case of an alarm. This easy-to-install alarm is suitable for all living areas. UL Listed with a 7-year life, and 5-year limited warranty. Provides a loud warning signal against the dangers of elevated CO levels. The battery-operated CO alarm provides continuous monitoring of CO levels, even during power outages when AC-only units are not providing protection.

- Battery operated (3AA's included) - Provides protection during power outage
- Battery lockout system - Deters covering battery compartment without installation of batteries.
- Slide-out battery door cover; gives immediate access to batteries
- Test/Reset button - Tests the unit for proper operation; Resets the CO alarm
- Low battery signal - Alerts user when the battery needs to be replaced
- Green LED - Flashes every 30 seconds to indicate the unit is operating properly; green LED will also flash before a CO reading is taken and when any button is pressed
- Red LED - When a dangerous level of carbon monoxide is detected the red LED will pulse and a loud alarm pattern will sound; CO alarm pattern is four short beeps, followed by five seconds of silence, followed by four short beeps with a corresponding red LED flash; cycle will continue for 4 minutes and then change to one cycle every minute until the device is reset or the CO is eliminated

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
21008908		Carbon Monoxide Alarm - Battery Operated - Bulk Pack	6	Yes

NOTES:

INDOOR AIR QUALITY

Media Air Cleaners
Replacement Media Filters
Electronic Air Cleaners (EAC)
Whole House Humidifiers
Humidifier Pads
Whole-House Dehumidifiers
Dynamic Console Room Units
Dynamic Polarized Media Air Cleaners
Filterlock – Filter Slot Cover

MEDIA AIR CLEANERS

High efficiency media air cleaners offer a significant improvement over one inch throwaway filters. They trap and filter to reduce major pollutants, such as dust and pollen from the air passing through the heating and cooling system. Deep pleated filters maximize surcease area and increase the life of the filter. MERV stands for Minimum Efficiency Reporting Value; a rating determined by testing in accordance with ASHRAE 52.2 procedures. The test rate the ability to filter particles ranging from 0.3 to 10 microns in size. A higher MERV rating indicates a greater ability to filter these pollutants.

- Fits a wide variety of equipment
- Rugged cabinet construction

PART NO	HOUSING OVERALL OD HEIGHT (IN)	HOUSING OVERALL OD DEPTH (IN)	HOUSING OVERALL OD WIDTH (IN)	MERV RATING OF INCLUDED MEDIA	MAX RATED AIR FLOW (CFM)	REPLACEMENT MEDIA
PF845001	20-1/4	24-7/8	7-1/8	8	2000	54-25051-01
PF845005	20-1/4	21-3/8	7-1/8	8	1400	54-25051-04
PF845006	16-1/4	24-7/8	7-1/8	8	1400	54-25051-02

Media Air Cleaner – Right Angle

- Quick and easy mounting for installations that require a 90 degree duct adapter
- Platinum metallic paint
- Filters angled to further maximize surface area
- Rugged cabinet construction

PART NO	HOUSING OVERALL OD HEIGHT (IN)	HOUSING OVERALL OD DEPTH (IN)	HOUSING OVERALL OD WIDTH (IN)	MERV RATING OF INCLUDED MEDIA	MAX RATED AIR FLOW (CFM)	REPLACEMENT MEDIA
PF845003	23-1/2	25-5/8	15-1/2	8	2000	54-25051-01

REPLACEMENT MEDIA FILTERS

Preferred Replacement Media Filters

PART NO	MERV RATING	RATED AIR FLOW (CFM)	NOM WDTH (IN)	NOM LGTH (IN)	NOM THICK (IN)	ACTUAL WDTH (IN)	ACTUAL LGTH (IN)	ACTUAL THICK (IN)	CROSS REFERENCE FITS MODELS	CASE QTY	CASE REQ
54-25051-01	8	2000	20	25	5	19-3/4	24-1/4	5	PF845001	2	Yes
54-25051-02	8	1400	16	25	3	15-3/4	24-1/4	3	PF845006	2	Yes
54-25051-04	8	1400	16	25	5	15-3/4	24-1/4	5	PF845005	2	Yes

Trion Air Bear Replacement Media Filters

PART NO	MERV RATING	RATED AIR FLOW (CFM)	NOM WDTH (IN)	NOM LGTH (IN)	NOM THICK (IN)	ACTUAL WDTH (IN)	ACTUAL LGTH (IN)	ACTUAL THICK (IN)	CROSS REFERENCE FITS MODELS	CASE QTY	CASE REQ
255649-102	8	2000	20	25	5	19-3/4	24-1/4	5	84-25050-01 84-25050-03	3	Yes
54-25051-03	8	1400	20	20	5	19-3/4	20-3/4	5	FC100A1011 84-25050-05	4	Yes
54-25051-04	8	1400	16	25	5	15-3/4	24-1/4	5	84-25050-06	3	Yes

Honeywell Replacement Media Filters

PART NO	MERV RATING	RATED AIR FLOW (CFM)	NOM WDTH (IN)	NOM LGTH (IN)	NOM THICK (IN)	ACTUAL WDTH (IN)	ACTUAL LGTH (IN)	ACTUAL THICK (IN)	CROSS REFERENCE FITS MODELS	CASE QTY	CASE REQ
FC100A1003	10	-	16	20	5	15-11/16	19-11/16	4-3/8	—	5	Yes
FC100A1029	10	-	16	25	5	15-15/16	24-3/4	4-3/8	—	5	Yes
FC100A1011	10	-	20	20	5	19-3/4	19-3/4	4-3/8	—	5	Yes
FC100A1037	10	-	20	25	5	19-7/8	24-7/8	4-3/8	—	5	Yes

ELECTRONIC AIR CLEANERS (EAC)

Electronic Air Cleaners work by placing a charge on airborne particles utilizing the principle of two-stage electrostatic precipitation and then collecting them like a magnet. They remove small, invisible particles that bypass standard air filters. Air is drawn by the ventilating system/blower through a washable metal mesh pre-filter, which traps large dust particles. The remaining particles (some as small as 0.01 microns) pass into a strong electrical field (ionizing section) where the particulate receives an electrical charge. The charged particles are then trapped into a negatively charged series of equally spaced parallel plates. The air, now cleaned of up to 95% of its impurities, is returned to the home.

- Easy to maintain; no replacement needed, simply wash the collection plates
- Traps and filters to reduce pollutants, such as dust, smoke, smog particles, mold spores and pet dander from the air passing through the heating and cooling systems
- Low pressure drop
- Optional charcoal pre-filter available for additional odor control
- Airflow sensor included; no interlock required
- Rugged cabinet construction

PART NO	MAX RATED AIR FLOW (CFM)	HOUSING OVERALL OD HEIGHT (IN)	HOUSING OVERALL OD DEPTH (IN)	HOUSING OVERALL OD WIDTH (IN)	INPUT VOLTAGE (V)	POWER CONNECT TYPE
PF8405207	1400	20-1/4	24-7/8	7-1/8	120	Cord connected
PF8405208	2000	24-1/4	24-7/8	7-1/8	120	Cord connected
PF8405209	1400	24-1/4	21-3/8	7-1/8	120	Cord connected

WHOLE HOUSE HUMIDIFIERS

Recommended indoor humidity is between 30% & 50% – more or less can increase the likelihood of bacteria, virus, fungus and mites. Air that is too dry can act like a giant sponge, soaking moisture up from everything that it touches in the home – woodwork, wood floors and furnishings – not to mention symptoms of dry skin, chapped lips, dry nasal passages and static electricity. Advantages of humidification include:

- Adding humidification will reduce energy costs – occupants are more comfortable at lower thermostat settings
- Reduces static electricity and contributes to the well-being of pets and indoor plants
- Protects wooden floors, cabinets, furnishings
- Automatic water supply – whole-house humidifiers are connected directly to the water supply and do not require manual refilling.

Approximate sizing guide:

HOME SIZE (SQ FT)	TIGHT HOUSE (GPD)	AVERAGE HOUSE (GPD)	LOOSE HOUSE (GPD)
1500	3.0	10.0	16.5
2000	5.0	14.0	24.0
2500	7.5	19.0	30.5
3000	10.0	23.5	37.5
4000	14.5	33.0	51.5

Calculations based on the following assumptions:

- Indoor temp. 70°F and 35% relative humidity
- Outdoor temp. 20°F and 70% relative humidity
- 8 foot ceiling height
- Internal moisture gain of 1 lb. per hour
- Furnace on-time of 70%
- Construction types:
  Loose House – constructed before 1930; little or no insulation; no storm doors or windows, no weather stripping or vapor barriers; no dampering of fireplaces; air change rate as high as 1.5 per hour
  Average House – insulated with a dampered fireplace; no vapor barriers; loose storm doors and windows; air change rate of 1.0 per hour
  Tight House – well insulated with vapor barriers, tight storm doors and windows; dampered fireplace; air change rate of 0.50 per hour

Humidifiers – Flow-Through Bypass

Preferred™

Flow-Through humidification directs the airflow from the ductwork to pass through a moisture filled pad, so the air stream picks up moisture evenly and distributes it throughout the home.

- Models with water saving controls self adjust to compensate for variations in temperature, airflow and water pressure; providing maximum performs wand water savings regardless of system conditions; water savings controls also feature a relay that can power the HVAC system blower for independent operation
- Includes self-piercing saddle valve, solenoid valve, and humidistat
- 5-year limited warranty

PART NO	HUMIDIFIER TYPE	DUCT MOUNTING LOCATION	UNIT DIM WxDxH (IN)	DUCT OPENING DIM WxH (IN)	INPUT VOLTAGE (V)	NOM CAP AT 100°F (GPD)	NOM CAP AT 120°F (GPD)	NOM CAP AT 140°F (GPD)	HUMIDISTAT CONTROLLER INCLUDED	REPLACE PAD
PF845409	Flow-Thru Bypass	Return or Supply	14-1/8 x 10 x 19	9-3/4 x 13	24	14.5	17.0	22.0	Manual	265470-001
PF845410	Flow-Thru Bypass	Return or Supply	14-1/8 x 10 x 19	9-3/4 x 13	24	14.5	17.0	22.0	Water Saver	265470-001

Humidifiers – Power

Preferred™

Power humidification uses an integral fan to blow air directly over a moisture filled pad into the air stream. Ideal for heat pump applications.

- Models with water saving controls self adjust to compensate for variations in temperature, airflow and water pressure; providing maximum performs wand water savings regardless of system conditions; Water savings controls also feature a relay that can power the HVAC system blower for independent operation
- Includes self-piercing saddle valve, solenoid valve, and humidistat
- 5-year limited warranty

PART NO	HUMIDIFIER TYPE	DUCT MOUNTING LOCATION	UNIT DIM WxDxH (IN)	DUCT OPENING DIM WxH (IN)	INPUT VOLTAGE (V)	NOM CAP AT 100°F (GPD)	NOM CAP AT 120°F (GPD)	NOM CAP AT 140°F (GPD)	HUMIDISTAT CONTROLLER INCLUDED	REPLACE PAD
PF845411	Powered Evaporative	Supply	11-5/8 x 10-1/8 x 18-1/8	13-1/8 14-1/4	120	10.0	16.5	20.0	Manual	265470-001
PF845412	Powered Evaporative	Supply	11-5/8 x 10-1/8 x 18-1/8	13-1/8 14-1/4	120	10.0	16.5	20.0	Water Saver	265470-001

HUMIDIFIER PADS

Humidifier Pads – Rectangular Honeycombed Mesh Type

PART NO	VENDOR	VENDOR PART NO	FILTER SHAPE	APPROX WIDTH (IN)	APPROX LENGTH (IN)	APPROX THICK (IN)	HUMIDIFIER CROSS REFERENCE	CASE QTY	CASE REQ
84-4EP	BestAir	40EP	Rectangular	8-1/2	9	1-5/8	Auto Flo: 40, 40S, 250	12	Yes
84-25055-02	Trion	251597-004	Rectangular	9	11	2	PROTECH 84-25054-02 Trion (Herrmidifier): 200	6	Yes
84-25055-01	Trion	251597-003	Rectangular	9	14	2	PROTECH: 84-25054-01, 84-25054-05 Trion (Herrmidifier) 100	6	Yes
HC22E1003	Honeywell	HC22E1003	Rectangular	9-1/2	10	1-1/2	Rheem/Ruud: RXIH-AB12A	10	Yes
84-A10	BestAir	A10PR	Rectangular	9-1/2	10	1-5/8	Aprilaire: 110, 220, 550, 550A, 558 Chippewa: 220; Lasko: 5000L, 5000EC, 6000 Honeywell: HE-220A, HE-220B, HE-225A, HE-225B Hamilton: 12-HF; Lennox: WB212	6	Yes
84-G13	BestAir	G13PR	Rectangular	9-1/2	11-3/4	1-1/2	General: 709, 990, 1040, 1042, 1137 Hamilton: 10HF; Williamson Power: 500	6	Yes
HC26E1004	Honeywell	HC26E1004	Rectangular	10	13	1-1/2	Rheem/Ruud: RXIH-AB17A	10	Yes
84-A35	BestAir	A35PR	Rectangular	10	13	1-5/8	Aprilaire: 350, 360, 560, 560A, 568, 600, 700, 760, 760A, 768; Honeywell: HE-260A, HE-260B, HE-265A, HE-265B, HE-360A, HE-360B, HE-365A, HE-365B, ME-360	6	Yes
84-A12	BestAir	A12PR	Rectangular	11-3/8	14-3/4	1-5/8	Aprilaire: 112, 136, 224, 440, 445, 445A, 448; Chippewa: 224, 225, 226; Walton: 600, 620, 660	12	Yes
84-G20	BestAir	G20PR	Rectangular	11-3/4	14-1/4	1-1/2	General: 1099	12	Yes

Humidifier Pads – Foam Type for Drum (Split)

PART NO	VENDOR	VENDOR PART NO	FILTER SHAPE	APPROX WIDTH (IN)	APPROX INSIDE DIA (IN)	APPROX OUTSIDE CIRCUM (IN)	APPROX MATERIAL THICK (IN)	HUMIDIFIER CROSS REFERENCE	CASE QTY	CASE REQ
1412	Trion	1412	Cylindrical - Split	8	4-1/16	19	1	Trion (Herrmidifier): 447-1, 447C-1	—	—
1220	Trion	1220	Cylindrical - Split	8-5/8	5-7/8	24-3/4	1	Trion (Herrmidifier): 465-1, 465C-1, 470	—	—

Humidifier Pads – Foam Type for Conical Drum (Split)

PART NO	VENDOR	VENDOR PART NO	FILTER SHAPE	APPROX INSIDE MJ DIA (IN)	APPROX INSIDE MN DIA (IN)	APPROX HEIGHT (IN)	APPROX MATERIAL THICK (IN)	HUMIDIFIER CROSS REFERENCE	CASE QTY	CASE REQ
84-25055-03	Trion	2024	Truncated Cone Split	9	5	7-7/32	1	PROTECH 84-25054-03 Trion (Herrmidifier): 2000	4	Yes

Humidifier Pads – Foam Type for Drum (Continuous)

PART NO	VENDOR	VENDOR PART NO	FILTER SHAPE	APPROX WIDTH (IN)	APPROX INSIDE DIA (IN)	APPROX OUTSIDE CIRCUM (IN)	APPROX MATERIAL THICK (IN)	HUMIDIFIER CROSS REFERENCE	CASE QTY	CASE REQ
84-A20	BestAir	200EP	Cylindrical Continuous	4-1/2	6-15/16	26-1/2	3/4	Auto Flo: 2500, 200P Peerless Aire: 31002	6	Yes
84-A40	BestAir	450EP	Cylindrical Continuous	5	3-19/32	16	3/4	Auto Flo: 400BP, 450, 1400 Peerless Aire: 31001	6	Yes
84-HM1	BestAir	HM1PR	Cylindrical Continuous	7	4-13/16	19	5/8	Ward: 500; Hamilton: 2D Wait: 2000 S.F.; Skuttle: 45; General: 65	12	Yes
84-HM2	BestAir	HM2PR	Cylindrical Continuous	8	6-1/16	24-1/2	7/8	Ward: 24, 700; Wait: 900 Hamilton: 4D, 200D, 400D, 800D Air King: 300, 400, 410; Lobb: WA1, WA2, AD-1 Lasko: 400L, 900L; General: 67, 81 Super: 700; Humidimatic: 98, 310, 4000 Skuttle: 90, 90-S, 190, 109, H100-S Homeline: 400; Honeywell: HE120A1010	12	Yes
84-A97	BestAir	97EP	Cylindrical Continuous	9	6-5/16	24-1/2	3/4	Auto Flo: 97	6	Yes

WHOLE-HOUSE DEHUMIDIFIERS

In any season, excess humidity in the home can make for an uncomfortable indoor environment. Dampness, stickiness, and odors are just a few of the many symptoms associated with air that has too much moisture. The solution is a whole-house dehumidifier. Unlike portable units, a whole-house unit is installed in the home's central heating and cooling system, and works to eliminate excess moisture in all rooms.

- Includes MERV 11 media filter
- Compact and easy to install enclosure
- 5-year limited warranty

PART NO	CAPACITY (PINTS/DAY @80°F AND 60% RH)	UNIT DIM LxWxH (IN)	INLET DUCT SIZE DIA (IN)	OUTLET DUCT SIZE DIA (IN)	INPUT VOLTAGE (V)	INPUT CURRENT (A)	POWER CONNECTION TYPE
D75	74	23-1/4 x 13 x 13-3/4	8	8	120	6.7	Cord Connected
D95	95	25-1/2 x 14-1/4 x 15-1/4	10	10	120	10.8	Cord Connected

DYNAMIC CONSOLE ROOM UNITS

Extremely quiet and effective, Dynamic console air cleaners utilize the patented Dynamic Polarized Media Air Cleaner in an attractive cabinet for applications where a high efficiency air cleaner is needed in a confined space. Whether for a bedroom or a boardroom, the Dynamic console unit is engineered to do the job.

- Airflow capacity: 500 CFM
- Dimensions: 23-3/4 in. height x 11 in. width x 26 in. depth
- Electrical supply: 120V, cord connected
- Weight: 43 lbs

PART NO	DESCRIPTION
84-CT500	Console Unit - 500 CFM2377.52
54-CT500-R	Replacement Media (3 Pack)

DYNAMIC POLARIZED MEDIA AIR CLEANERS

As tiny sub-micron particles and volatile organic compounds (VOCs) pass through the central heating and cooling system, they become polarized by the electric field inside the air cleaner. Polarized particles become larger as they join together with other polarized particles and collect on the polarized media pad. The Dynamic Air Cleaner is a non-ionizing air cleaner that removes sub-micron particles that other filters miss, including bacteria, pollen, mold and fine dust. Excellent for removing tobacco smoke and residual odors.

- Very high multiple pass efficiency (95-99% for particles of 0.3 to 0.5 micron size); rises as the air cleaner loads (confirmed by independent laboratories)
- Equivalency to MERV 13 rating on more traditional media filters
- Air cleaners fit directly into existing filter racks or return air grilles
- 24V power supply; optional transformer 84-110V-24V plugs directly into a 120V outlet
- 6000VDC output voltage to polarized media
- No ozone production
- Low static resistance to airflow; maximum recommended face velocity: 500 FPM
- Disposable carbon-filled media pads only require a few minutes to change; requires replacement every three to four months
- Custom sizes available
- Toll-Free NATE certified Technical Support 800.578.7873
- 5-year limited warranty

PART NO	NOMINAL HEIGHT (IN)	NOMINAL LENGTH (IN)	THICKNESS (IN)	REPLACEMENT MEDIA
84-14X20-1	14	20	1	54-14X20-R
84-16X20-1	16	20	1	54-16X20-R
84-20X20-1	20	20	1	54-20X20-R
84-24X24-1	24	24	1	54-24X24-R
84-24X36-1	24	36	1	54-24X36-R

DYNAMIC POLARIZED MEDIA AIR CLEANERS

Replacement 24V Power Head

PART NO	DESCRIPTION
24VPWRPK	Replacement 24V Power Head for Dynamic Polarized Media Air Cleaners

FLILTERLOCK – FILTER SLOT COVER

- Seals air filter slot
- Magnetically attaches to metal duct
- One-size-fits-all – For all standard air filters

PART NO	DESCRIPTION	CASE QTY	CASE REQ
540031	FilterLock – Filter Slot Cover	10	Yes

NOTES:

MOTORS

Indoor Blower Motors
Outdoor Condenser Motors
Motor Mounting

INDOOR BLOWER MOTORS

US Motors Wholesale Indoor Blower Motors (120V)

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)
1863	1/4	1075	3	120	1	60	Reversible	5/370	3.90
1864	1/3	1075	3	120	1	60	Reversible	7.5/370, 5/370	5
1865	1/2	1075	3	120	1	60	Reversible	10/370	7.40
8904	3/4	1075	3	120	1	60	Reversible	15/370	9.10

US Motors RESCUE Indoor Blower Motors (120V)

You may not know what kind of motor you will need when you get to the job, but with the RESCUE motors on hand, you know you'll have one that will work.

- Replaces a range of different horsepower ratings and applications
- 36 inch leads

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)
5460	1/6 - 1/2	1075	4	120	1	60	Reversible	10/370	7.30
5470	1/5 - 3/4	1075	4	120	1	60	Reversible	20/370	8.10

US Motors Wholesale Indoor Blower Motors (208/230V)

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)
1971	1/4	1075	3	208,230	1	60	Reversible	5/370, 10/370	1.80
1972	1/3	1075	3	208,230	1	60	Reversible	5/370	2.40
1973	1/2	1075	3	208,230	1	60	Reversible	7.5/370	3.30
8905	3/4	1075	3	208,230	1	60	Reversible	10/370	4.60

U.S. Motors RESCUE Indoor Blower Motors (208/230V)

You may not know what kind of motor you will need when you get to the job, but with the RESCUE motors on hand, you know you'll have one that will work.

- Replaces a range of different horsepower ratings and applications
- 36 inch leads

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)
5461	1/6 - 1/2	1075	4	208,230	1	60	Reversible	10/370	3.60
5471	1/5 - 3/4	1075	4	208,230	1	60	Reversible	20/370	4.20

U.S. Motors Indoor Blower Motors – Platform Mount (Single Phase)

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)
8100	1/3	1725	1	120	1	60	Reversible	N/A	6.4
8200	1/2	1725	1	120	1	60	Reversible	N/A	8.7
1893	3/4	1725	1	120,208,230	1	60	Reversible	N/A	11.4
430	3/4	3450	1	120,208,230	1	60	Reversible	N/A	9.2

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	5	4-7/8	10-3/8	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive
1/2	5-5/8	5	5-1/8	10-11/16	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive
1/2	5-5/8	4	6	10-3/8	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive
1/2	5-5/8	4	5-31/32	10-13/32	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	5	4-3/4	9-3/4	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive
1/2	5-5/8	5	6-1/8	11-5/8	Resilient Ring,Shell-band,Thru-bolt	Ball	Blower	Direct Drive

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	5	4-7/8	10-3/8	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive
1/2	5-5/8	5	4-7/8	10-3/8	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive
1/2	5-5/8	5	5-7/8	11-3/8	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive
1/2	5-5/8	4	5-31/32	10-13/32	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	5	4-3/4	9-3/4	Resilient Ring,Shell-band,Thru-bolt	Sleeve	Blower	Direct Drive
1/2	5-5/8	5	6-1/8	11-5/8	Resilient Ring,Shell-band,Thru-bolt	Ball	Blower	Direct Drive

FLA AT 230 (V)	MOTOR SHAFT DIA (IN)	OVERALL BODY DIA (IN)	MOTOR SHAFT LENGTH (IN)	OVERALL BODY LENGTH (IN)	MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
—	1/2	5-5/8	1-1/2	8-1/8	9-3/8	Platform	Sleeve	Blower	Belt Drive
—	1/2	5-5/8	1-1/2	8-1/2	10	Platform	Sleeve	Blower	Belt Drive
5.7	5/8	6-1/2	1-7/8	8-7/8	10-3/4	Platform	Ball	Blower	Belt Drive
4.6	1/2	5-5/8	1-1/2	8-7/8	10-3/8	Platform	Sleeve	Blower	Belt Drive

INDOOR BLOWER MOTORS

Genteq Evergreen Indoor Blower Motors (120/208/230V)

The Evergreen is the world's first retrofit ECM blower motor. Contractors can now replace a PSC motor with the Evergreen and give consumers the comfort, efficiency and better airflow control of ECM, in an easy-to-install replacement motor. Note, the Evergreen is not designed to be a generic replacement for a failed ECM, but rather as a substitute for a PSC in an existing HVAC system.

- Time Saver: The Evergreen is suitable for a wide variety of aftermarket applications, and can be retrofit for many 48 frame indoor blower motors
  - Multi-voltage: suitable for 120V, 208V and 230V applications
  - 1/2 horsepower Evergreen replaces 6-Pole PSC motors from 1/5 to 1/2 horsepower
  - 1 horsepower Evergreen replaces 6-Pole PSC motors from 1/2 to 1 horsepower
- IAQ Compatible: The Evergreen will work well with IAQ products, such as high-efficiency air cleaners and HEPA filters with higher static pressure resistance
- Energy Saver: The Evergreen uses up to 25% fewer watts in operating mode and up to 74% fewer watts than a PSC motor in constant fan
- Other Features
  - Rotation Sensing Technology™ automatically configures motor to rotate in the correct direction
  - Four speed selections for heating and cooling
  - Low speed constant fan
  - Filtration/Zoning system enabler
  - 2-year limited warranty

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	FLA AT 120V (A)
5SME39HXL110	1/2	1075	Variable	120,208,230	1	50,60	Reversible	4
5SME39SXL111	1	1075	Variable	120,208,230	1	50,60	Reversible	6.70

OUTDOOR CONDENSER MOTORS

US Motors Wholesale Condenser Motors (208/230V)

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)
1872H	1/8	825	1	208,230	1	60	Reversible	5/370	0.78
1875H	1/3	825	1	208,230	1	60	Reversible	5/370	2.40
1870H	1/2	825	1	208,230	1	60	Reversible	10/370	3.30
1859	1/6	1075	1	208,230	1	60	Reversible	5/370	0.50
1860	1/4	1075	1	208,230	1	60	Reversible	5/370	1.70
3323	1/6 - 1/3	1075	1	208,230	1	60	Reversible	7.5/370	2
1861	1/3	1075	1	208,230	1	60	Reversible	7.5/370 (230V), 10/370 (208V)	2.10
1862	1/2	1075	1	208,230	1	60	Reversible	10/370	3
1868	3/4	1075	1	208,230	1	60	Reversible	10/370 (230V), 7.5/370 (208V)	4.50

U.S. Motors RESCUE Condenser Motors (208/230V)

You may not know what kind of motor you will need when you get to the job, but with the RESCUE motors on hand, you know you'll have one that will work.

- Replaces a range of different horsepower ratings and applications
- 48 inch leads, flat lead end for shaft down applications

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)
5464	1/6 - 1/3	825	2	208,230	1	60	Reversible	10/370	1.90
5462	1/6 - 1/3	1075	2	208,230	1	60	Reversible	7.5/370	2.60
5465	1/5 - 1/2	1075	2	208,230	1	60	Reversible	12.5/370	3.50

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE	CATALOG NO
1/2	5-5/8	4-29/32	6-11/32	11-1/4	Shell-band	Ball	Blower	Direct Drive	6005
1/2	5-5/8	4-29/32	7-27/32	10-3/4	Shell-band	Ball	Blower	Direct Drive	6010

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	6	4-1/16	10-19/32	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	6	5-1/16	11-19/32	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	6	5-13/16	12-3/8	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	3-13/16	9-3/8	Shell-band,Thru-bolt	Sleeve	Condenser	Direct Drive
1/2	5-5/8	5	4-1/8	9-5/8	Shell-band,Thru-bolt	Sleeve	Condenser	Direct Drive
1/2	5-5/8	6-7/8	4-5/16	11	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	4-5/8	10-1/8	Shell-band,Thru-bolt	Sleeve	Condenser	Direct Drive
1/2	5-5/8	6	5-5/16	11-7/8	Shell-band,Thru-bolt	Sleeve	Condenser	Direct Drive
1/2	5-5/8	5	5-13/16	10-5/16	Shell-band,Thru-bolt	Sleeve	Condenser	Direct Drive

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	5	5-1/4	10-1/4	Shell-band,Thru-bolt	Sleeve	Condenser	Direct Drive
1/2	5-5/8	5	4-5/8	9-5/8	Shell-band,Thru-bolt	Sleeve	Condenser	Direct Drive
1/2	5-5/8	5	5-1/4	10-1/4	Shell-band,Thru-bolt	Sleeve	Condenser	Direct Drive

OUTDOOR CONDENSER MOTORS

U.S. Motors Mojave 70C Condenser Motors (208/230V)

- Designed for 158ºF (70ºC) ambient / Class F insulation
- Special corrosion protection for longer life in humid environments
- 48 inch leads

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)
1873H	1/6	825	1	208,230	1	60	Reversible	5/370	1.10
1859H	1/6	1075	1	208,230	1	60	Reversible	5/370	0.50
1860H	1/4	1075	1	208,230	1	60	Reversible	5/370	1.70
1861H	1/3	1075	1	208,230	1	60	Reversible	7.5/370	2.10
1862H	1/2	1075	1	208,230	1	60	Reversible	10/370	3.20
1868H	3/4	1075	1	208,230	1	60	Reversible	10/370	4.70

U.S. Motors Mojave 70C Rescue Condenser Motors (208/230V)

These motors combine the features of both the Emerson RESCUE and Mojave 70C motors into one series.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)
1874H	1/8 - 1/4	825	1	208,230	1	60	Reversible	5/370	2.10
5464H	1/6 - 1/3	825	2	208,230	1	60	Reversible	7.5/370	1.90
5462H	1/6 - 1/3	1075	2	208,230	1	60	Reversible	5/370	2.60
5465H	1/5 - 1/2	1075	2	208,230	1	60	Reversible	10/370 (230V), 12.5/370 (208V)	3.00

U.S. Motors Mojave 70C Condenser Motors (460V)

- Designed for 158ºF (70ºC) ambient / Class F insulation
- Special corrosion protection for longer life in humid environments
- 48 inch leads

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)
3736H	1/4	1075	1	460	1	60	Reversible	7.5/370	0.80
3737H	1/3	1075	1	460	1	60	Reversible	7.5/370	1.30
3738H	1/2	1075	1	460	1	60	Reversible	10/370	1.50

MOTOR RAIN SHIELD CAPS

Rain Shield – 7 inch

- 7 inch diameter black polymer rain shield
- Fits condenser motors with 1/2 inch shaft diameter

PART NO	DESCRIPTION
56-17846-02	Motor Rain Shield Cap

Rain Shield – 3-1/2 inch

- 3-1/2 inch diameter black polymer rain shield
- Fits condenser motors with 1/2 inch shaft diameter

PART NO	DESCRIPTION
56-17070-01	Motor Rain Shield Cap

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	6	4-1/8	10-5/8	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	3-13/16	9-3/8	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	4-1/8	10-5/8	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	4-5/8	11-1/8	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	6	5-1/4	11-7/8	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	5-7/8	12-3/8	Resilient Ring,Shell-band,Thru-bolt	Ball	Condenser	Direct Drive

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	6	4-1/4	10-7/8	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	5-1/4	10-1/4	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	4-5/8	9-5/8	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	5	5-5/8	10-1/4	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive

SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1/2	5-5/8	6	4-9/16	11-1/16	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	6	5-5/16	11-27/32	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive
1/2	5-5/8	6	5-1/2	12	Shell-band,Thru-bolt	Ball	Condenser	Direct Drive

SHAFT ADAPTER KIT

Shaft Adapter Kit – 1/2 Inch to 5/8 Inch

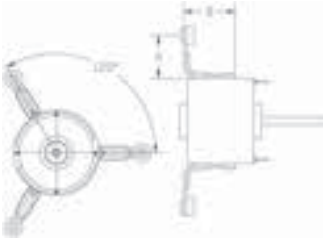
- Includes 1-3/8 in. long adapter collar to increase shaft diameter from 1/2 in. to 5/8 in.
- Includes 3/16 in. x 3/16 in. x 1-3/4 in. key

PART NO	DESCRIPTION
A224	Motor Shaft Adapter (1/2 in. to 5/8 in.)

MOTOR MOUNTING

Blower Motor Belly Band Mounting Kit – Wire Type

PART NO	MOTOR FRAME SIZE (IN)	NOM MOTOR DIAMETER (IN)	BLOWER MOUNTING BOLT CIRCLE DIM (IN)	NUMBER OF ARMS	RADIAL ARM DISTANCE DIM A (IN)	ATTACHMENT ARM OVERALL LENGTH B (IN)
56-23001-09	48	5-5/8	10	3	2-3/16	3-5/16
56-23001-08	48	5-5/8	11	3	2-11/16	3-5/16



Motor Mounting Kit Dimensions

Condenser Motor Ring Mount Kit

- Fits 48 frame motors (5-5/8 in. diameter)
- Three mounting arms; adjustable for positioning around motor
- Mounting slots allow for a 7 in. to 8-3/16 in. bolt circle diameter
- Mounting arm slot width can accommodate up to 5/16 in. bolt sizes

PART NO	DESCRIPTION
56-23001-05	Condenser Motor Ring Mount Kit

Motor Case Studs

- Contains four 7 in. long x 8-32 threaded studs
- Includes twelve 8-32 nuts and washers

PART NO	DESCRIPTION
56-23001-03	Bolt Kit – Shell Stud

Resilient Rings Kit

- Allows for conversion of a thru-bolt motor to fit a resilient type mounting base
- Mounting brackets will fit popular thru-bolt patterns: 3.68 in. x 3.68 in. or 3.63 in. x 3.63 in. square patterns, and 3 in. x 4.25 in. rectangular patterns
- Rubber isolator rings are approximately 2-1/2 in. diameter
- Extra metal split rings and an assortment of thru-bolt nuts are provided for securing the mounting brackets

PART NO	DESCRIPTION
56-23001-07	Resilient Ring Kit

CONTROLS & ELECTRICAL

Whips
Liquid-Tight Conduit
Liquid-Tight Conduit Fittings
Fuses & Fuse Holders
Circuit Breakers
Capacitors
Turbo200 Family Capacitors
Contactors
Trouble/Work Lights
Start Kits

WHIPS

HVAC Wiring Whips

PART NO	CONDUIT TRADE SIZE (IN)	CONDUIT LENGTH (IN)	CONDUCTOR LENGTH (IN)	POWER COND SIZE (AWG)	GROUND SIZE (AWG)	FITTING 1 COND TYPE	FITTING 2 TYPE	CASE QTY	CASE REQ
PF849040	1/2	6	92	10	10	Straight (Removable)	90 Degree Elbow (Removable or Integral)	12	Yes
PF849042	3/4	6	94	8	10	Straight (Removable)	90 Degree Elbow (Removable or Integral)	12	Yes

LIQUID-TIGHT CONDUIT

Liquid-Tight Conduit (Flexible Non-Metallic)

PART NO	DESCRIPTION
8431	Liquid-Tight Flexible Non-Metallic Conduit (1/2 in. x 100 ft.)
8432	Liquid-Tight Flexible Non-Metallic Conduit (3/4 in. x 100 ft.)
PD455009	Liquid-Tight Flexible Non-Metallic Conduit (1 in. x 100 ft.)

LIQUID-TIGHT CONDUIT FITTINGS

Liquid-Tight Conduit Fittings – Straight

PART NO	DESCRIPTION		
455005	Liquid-Tight Conduit Fitting - 1/2 in. Straight	25	Yes
PD455007	Liquid-Tight Conduit Fitting - 3/4 in. Straight	50	Yes

Liquid-Tight Conduit Fittings – Straight (Quick Twist)

PART NO	DESCRIPTION		
455001	Liquid-Tight Conduit Fitting - 1/2 in. Straight (Quick Twist)	25	Yes
455003	Liquid-Tight Conduit Fitting - 3/4 in. Straight (Quick Twist)	25	Yes

Liquid-Tight Conduit Fittings – 90 Degrees

PART NO	DESCRIPTION		
PD455006	Liquid-Tight Conduit Fitting - 1/2 in. 90 Degree	10	Yes
PD455008	Liquid-Tight Conduit Fitting - 3/4 in. 90 Degree	50	Yes

Liquid-Tight Conduit Fittings – 90 Degrees (Quick Twist)

PART NO	DESCRIPTION		
455002	Liquid-Tight Conduit Fitting - 1/2 in. 90 Degree (Quick Twist)	10	Yes
455004	Liquid-Tight Conduit Fitting - 3/4 in. 90 Degree (Quick Twist)	10	Yes

FUSES – CONTROL CIRCUIT

All control circuit fuses are sold in packs of five.

Fuses – Control Circuit (Glass - Time Delay 1-1/4 in.)

PART NO	CURRENT RATING (A)	MAX VOLT RATING (VAC)	OVERALL LENGTH (IN)	DIAMETER (IN)	BUSSMAN CROSS REF	GOULD CROSS REF	LITTELFUSE CROSS REF
44-MDL1-5PK	1	250	1-1/4	1/4	MDL1	GDL1	313-1
44-MDL2-5PK	2	250	1-1/4	1/4	MDL2	GDL2	313-2
44-MDL3-5PK	3	250	1-1/4	1/4	MDL3	GDL3	313-3
44-MDL5-5PK	5	250	1-1/4	1/4	MDL5	GDL5	313-5
44-MDL7-5PK	7	250	1-1/4	1/4	MDL7	GDL7	313-7
44-MDL10-5PK	10	32	1-1/4	1/4	MDL10	GDL10	313-10
44-MDL15-5PK	15	32	1-1/4	1/4	MDL15	GDL15	313-15
44-MDL20-5PK	20	32	1-1/4	1/4	MDL20	GDL20	313-20
44-MDL25-5PK	25	32	1-1/4	1/4	MDL25	GDL25	313-25
44-MDL30-5PK	30	32	1-1/4	1/4	MDL30	GDL30	313-30

Fuses – Control Circuit (Glass – Fast Acting 20 mm/0.788 in.)

PART NO	CURRENT RATING (A)	MAX VOLT RATING (VAC)	OVERALL LENGTH (IN)	DIAMETER (IN)	BUSSMAN CROSS REF	GOULD CROSS REF	LITTELFUSE CROSS REF
44-GMA1A-5PK	1	250	0.788 (20 mm)	0.197 (5 mm)	GMA1A	GGM1A	235-1
44-GMA2A-5PK	2	250	0.788 (20 mm)	0.197 (5 mm)	GMA2A	GGM2A	235-2
44-GMA3A-5PK	3	250	0.788 (20 mm)	0.197 (5 mm)	GMA3A	GGM3A	235-3
44-GMA5A-5PK	5	125	0.788 (20 mm)	0.197 (5 mm)	GMA5A	GGM5A	235-5

Fuses – Control Circuit (Ceramic – Fast Acting 1-1/4 in.)

PART NO	CURRENT RATING (A)	MAX VOLT RATING (VAC)	OVERALL LENGTH (IN)	DIAMETER (IN)	BUSSMAN CROSS REF	GOULD CROSS REF	LITTELFUSE CROSS REF
44-ABC1-5PK	1	250	1-1/4	1/4	ABC-1	GAB1	314-1
44-ABC2-5PK	2	250	1-1/4	1/4	ABC2	GAB2	314-2
44-ABC3-5PK	3	250	1-1/4	1/4	ABC3	GAB3	314-3
44-ABC5-5PK	5	250	1-1/4	1/4	ABC5	GAB5	314-5
44-ABC10-5PK	10	250	1-1/4	1/4	ABC10	GAB10	314-10
44-ABC15-5PK	15	250	1-1/4	1/4	ABC15	GAB15	314-15
44-ABC20-5PK	20	250	1-1/4	1/4	ABC20	GAB20	314-20
44-ABC25-5PK	25	125	1-1/4	1/4	ABC25	GAB25	314-25
44-ABC30-5PK	30	125	1-1/4	1/4	ABC30	GAB30	314-30

Fuses – Control Circuit (Glass – Fast Acting 1-1/4 in.)

PART NO	CURRENT RATING (A)	MAX VOLT RATING (VAC)	OVERALL LENGTH (IN)	DIAMETER (IN)	BUSSMAN CROSS REF	GOULD CROSS REF	LITTELFUSE CROSS REF
44-AGC1-5PK	1	250	1-1/4	1/4	AGC1	GGC1	312-1
44-AGC2-5PK	2	250	1-1/4	1/4	AGC2	GGC2	312-2
44-AGC3-5PK	3	125	1-1/4	1/4	AGC3	GGC3	312-3
44-AGC4-5PK	4	125	1-1/4	1/4	AGC4	GGC4	312-4
44-AGC5-5PK	5	125	1-1/4	1/4	AGC5	GGC5	312-5
44-AGC7-5PK	7	125	1-1/4	1/4	AGC7	GGC7	312-7
44-AGC10-5PK	10	125	1-1/4	1/4	AGC10	GGC10	312-10
44-AGC15-5PK	15	32	1-1/4	1/4	AGC15	GGC15	312-15
44-AGC20-5PK	20	32	1-1/4	1/4	AGC20	GGC20	312-20
44-AGC25-5PK	25	32	1-1/4	1/4	AGC25	GGC25	312-25
44-AGC30-5PK	30	32	1-1/4	1/4	AGC30	GGC30	312-30

FUSES & FUSE HOLDERS

Fuses – Control Circuit (Blade Type – Automotive)

PART NO	CURRENT RATING (A)	MAX VOLT RATING (VAC)	EDISON CROSS REF	BUSSMAN CROSS REF	LITTELFUSE CROSS REF
44-ATC2-5PK	2	36	ATC2	ATC-2	ATO2
44-ATC3-5PK	3	36	ATC3	ATC-3	ATO3
44-ATC5-5PK	5	36	ATC-5	ATC-5	ATO5

Fuse Display

- Display is available with or without fuses
- Display with fuses includes one pack of all 1-1/4 in. and 20 mm control fuses

PART NO	DESCRIPTION
86-ERFS	Fuse Display (Includes Fuses)
86-ERFS-E	Fuse Display (Empty)

Fuses – Branch Circuit (RK5 Cartridge Type)

- RK5 Dual-Element Time Delay branch circuit fuses
- Maximum interrupting rating: 200,000A RMS Symmetrical

PART NO	FUSE MOUNTING (CARTRIDGE)	CURRENT RATING (A)	MAX VOLT RATING (VAC)	OVERALL LENGTH (IN)	DIAMETER (IN)	EDISON CROSS REFERENCE	BUSSMAN CROSS REFERENCE	GOULD CROSS REFERENCE	LITTELFUSE CROSS REFERENCE	DIVERSITECH CROSS REFERENCE
44-ECNR-15-10PK	Ferrule	15	250	2	9/16	ECNR15	FRN-R-15	TR15	FLNR15	7-CRNR15
44-ECNR-20-10PK	Ferrule	20	250	2	9/16	ECNR20	FRN-R-20	TR20	FLNR20	7-CRNR20
44-ECNR-25-10PK	Ferrule	25	250	2	9/16	ECNR25	FRN-R-25	TR25	FLNR25	7-CRNR25
44-ECNR-30-10PK	Ferrule	30	250	2	9/16	ECNR30	FRN-R-30	TR30	FLNR30	7-CRNR30
44-ECNR-35-10PK	Ferrule	35	250	3	13/16	ECNR35	FRN-R-35	TR35	FLNR35	7-CRNR35
44-ECNR-40-10PK	Ferrule	40	250	3	13/16	ECNR40	FRN-R-40	TR40	FLNR40	7-CRNR40
44-ECNR-45-10PK	Ferrule	45	250	3	13/16	ECNR45	FRN-R-45	TR45	FLNR45	7-CRNR45
44-ECNR-50-10PK	Ferrule	50	250	3	13/16	ECNR50	FRN-R-50	TR50	FLNR50	7-CRNR50
44-ECNR-60-10PK	Ferrule	60	250	3	13/16	ECNR60	FRNR-R-60	TR60	FLNR60	7-CRNR60
44-ECNR-100-5PK	Knife w/Rejection	100	250	5-7/8	1-1/16	ECNR100	FRN-R-100	TR100	FLNR100	—
44-ECSR-20-10PK	Ferrule	20	600	5	13/16	ECSR20	FRS-R-20	TRS20	FLSR20	—
44-ECSR-30-10PK	Ferrule	30	600	5	13/16	ECSR30	FRS-R-30	TRS30	FLSR30	—
44-ECSR-60-10PK	Ferrule	60	600	5-1/2	1-1/16	ECSR60	FRS-R-60	TRS60	FLSR60	—
44-ECSR-100-5PK	Knife w/Rejection	100	600	7-7/8	1-7/64	ECSR100	FRS-R-100	TRS100	FLSR100	—
44-ECSR-125-1PK	Knife w/Rejection	125	600	9-5/8	1-19/32	ECSR125	FRS-R-125	TRS125	FLSR125	—

FUSE PULLERS

Fuse Pullers

- Insulated handles rated up to 600V
- 87-FP-2 for 13/32 to 13/16 inch diameter cartridge shape fuses
- 87-FP-3 for 1 to 1-3/4 inch diameter cartridge shape fuses

PART NO	DESCRIPTION
87-FP-2	Fuse Puller (13/32 in. to 13/16 in.)
87-FP-3	Fuse Puller (1 in. to 1-3/4 in.)

CIRCUIT BREAKERS

Circuit Breakers – GE (THQC Series)

PART NO	MFG PART NO	TYPE	MOUNTING STYLE	MAX VOLT RATING (VACO	CURRENT RATING (A)	NO OF POLES
42-20224-09	THQC2160WL	THQC	DIN Rail	230	60	2

Circuit Breakers – GE (THQP Series)

PART NO	MFG PART NO	TYPE	MOUNTING STYLE	MAX VOLT RATING (VACO	CURRENT RATING (A)	NO OF POLES
425015	THQP120	THQP	Panelboard	230	20	1
425017	THQP250	THQP	Panelboard	230	50	2

Circuit Breakers – Siemens (Various)

PART NO	MFG PART NO	TYPE	MOUNTING STYLE	MAX VOLT RATING (VACO	CURRENT RATING (A)	NO OF POLES
425022	D120	D	Panelboard	230	20	1
425018	Q120	Q	Panelboard	230	20	1
425021	Q260	QP	Panelboard	230	60	2

Circuit Breakers – Cutler-Hammer (Various)

PART NO	MFG PART NO	TYPE	MOUNTING STYLE	MAX VOLT RATING (VACO	CURRENT RATING (A)	NO OF POLES
425007	BR120	BR	Panelboard	230	20	1
425004	CH120	CH	Panelboard	230	20	1

Circuit Breakers – Connecticut Electric/Unique Breakers, Inc. (Various)

PART NO	MFG PART NO	TYPE	MOUNTING STYLE	MAX VOLT RATING (VACO	CURRENT RATING (A)	NO OF POLES
425035	TB220	TB	Panelboard	230	20	2
425037	TB250	TB	Panelboard	230	50	2
425029	UBIP-120	UBIP	Specialty	230	20	1
425031	UBIP260	UBIP	Specialty	230	60	2
425032	UBIZ20	UBIZ	Specialty	230	20	1
425034	UBIZ260	UBIZ	Specialty	230	60	2

SINGLE OVAL CAPACITORS

Certified to the highest level of UL 810; tested and approved for 5,000 AFC.

PART NO	CAPACITANCE (uF)	VOLTAGE (VAC)
PF433401	3	370
PF433427	4	370
PF433402	5	370
PF433421	5	440
PF433403	7.5	370
PF433433	7.5	440
PF433404	10	370
PF433422	10	440
PF433405	12.5	370
PF433406	15	370
PF433407	20	370
PF433410	35	370

TURBO200 FAMILY CAPACITORS

There are over 200 different dual value motor-run capacitors used in air conditioning service work, and it is almost impossible to carry all of these on a truck. With the Turbo 200 and Turbo 200X universal replacement capacitors, you'll always have the correct dual value motor-run capacitor when you need it! The Turbo200 is manufactured using patented capacitor technology, which allows a metalized film capacitor to be "tapped" with a built-in common or ground connection and eliminates the necessity of separate capacitors or packaging two or more capacitors in one can.

- Certified to the highest level of UL 810; tested and approved for 10,000 AFC
- Offers the same high reliability as other single and dual run capacitors
- Enclosed in metal can; internally protected, fluid-filled motor run capacitor
- Takes the guesswork out of inventory purchases; eliminates the need for 98% of motor run capacitor inventory

Turbo200

The Turbo200 motor-run capacitor has a capacitance range of 2.5 - 65.0 uF, and is rated for use up to 440V. Replaces more than 200 dual capacitors used for HVAC and maintenance work.

PART NO	DESCRIPTION
439100	Turbo200 Capacitor

Turbo200X

The Turbo200X motor-run capacitor and has a capacitance range of 2.5 - 97.5 uF, and is rated for up to 440V. Replaces many of the higher range of capacitors used in scroll compressors and higher efficiency A/C units.

PART NO	DESCRIPTION
439101	Turbo200X Capacitor

Turbo200 MINI

The Turbo MINI motor-run capacitor has a capacitance range of 2.5 - 15 uF, and is rated for up to 440V. Permanent replacement for up to fourteen popular "fan-sized" values.

PART NO	DESCRIPTION
439102	Turbo200 MINI Capacitor

Turbolytic50 Start Capacitor

The Turbolytic50 motor-start capacitor has a capacitance range of 21-324 uF, and is rated for use at 125-330V.

PART NO	DESCRIPTION
TurboLytic50	Universal Motor Start Capacitor - 302/330 MFD

TurboMeter

See the dual values develop simultaneously on the screen as you create the ratings needed.

PART NO	DESCRIPTION
439103	TurboMeter (DSC)

CONTACTORS

- Competitively sourced to bring you the quality contactors at the best possible price!
- Includes manual test switch; minimum two quick connect shunt terminals at each power terminal

PART NO	COIL VOLTAGE (VAC)	NO OF POLES	MOTOR FLA RATING @230V (A)	MOTOR LRA RATING @230V (A)	RESISTIVE RATING @230V (A)	MOTOR FLA RATING @460V (A)	MOTOR LRA RATING @460V (A)	RESISTIVE RATING @460V (A)	MOTOR FLA RATING @575V (A)	MOTOR LRA RATING @575V (A)	RESISITVE RATING @575V (A)
PF425066	24	1	30	180	40	30	150	40	30	120	40
PF425068	24	2	30	180	40	30	150	40	30	120	40
PF425069	24	2	40	240	50	40	200	50	40	120	50
PF425070	24	3	40	240	50	40	200	50	40	160	50

TROUBLE/WORK LIGHTS

Incandescent Trouble/Work Lights

PART NO	VENDOR	VENDOR PART NO	LENGTH (FT)	JACKET COLOR	JACKET TYPE	CONDUCTOR SIZE (AWG)	MALE PLUG TYPE	FEMALE PLUG TYPE	NO OF FEMALE PLUGS	SWITCH
86-05857-00	Coleman Cable	05857-00-02	25	Yellow	SJEOW	16	Grounded	Incandescent Trouble Light w/Grounded Outlet	1	Yes
86-05858-00	Coleman Cable	05858-00-02	50	Yellow	SJEOW	16	Grounded	Incandescent Trouble Light w/Grounded Outlet	1	Yes
D12923025	Century Wire & Cable	D12923025	25	Orange	SJTW	12	Grounded (Lighted)	Incandescent Trouble Light w/Grounded Outlet	1	Yes
D12925025	Century Wire & Cable	D12925025	25	Blue	SJTW	12	Grounded (Lighted)	Incandescent Trouble Light w/Grounded Outlet	1	Yes

Fluorescent Trouble/Work Lights

PART NO	VENDOR	VENDOR PART NO	LENGTH (FT)	JACKET COLOR	JACKET TYPE	CONDUCTOR SIZE (AWG)	MALE PLUG TYPE	FEMALE PLUG TYPE	NO OF FEMALE PLUGS	SWITCH
D12812025	Century Wire & Cable	D12812025	6	Orange	SJTW	16	Grounded (Lighted)	Fluorescent Trouble Light w/Grounded Outlet	1	Yes

START KITS

GE Hard Start Devices

- Uses a genuine GE potential relay and a start capacitor
- Easy to install; no cutting or splicing of wires

PART NO	TORQUE	COMP MOTOR SIZE (HP)	OPERATING VOLTAGE (V)	NO OF PHASES	APPLICATION
SS-1	High	3-1/2 - 5	208-277	1	A/C and Heat Pumps (3-1/2 - 5 tons)
SS-5	High	1 - 3	208-277	1	A/C and Heat Pumps (1-3 tons)

NOTES:

GAS & OIL HEATING

Thermocouples
Burner Nozzles
Fuel Oil Filters

THERMOCOUPLES

Thermocouples – White-Rodgers H06E Series

PART NO	VENDOR PART NO	CAPILLARY TUBE LENGTH (IN)	BULB LENGTH (IN)	BULB DIA (IN)	BULB END CONNECTIONS	GAS VALVE END FITTING OD (IN)	CASE QTY	CASE REQ
62-25113-01	H06E018	18	2-11/64	3/16	Nut, Push-in Clip	11/32	10	Yes
62-25113-02	H06E024	24	2-11/64	3/16	Nut, Push-in Clip	11/32	10	Yes
62-25113-03	H06E036	36	2-11/64	3/16	Nut, Push-in Clip	11/32	10	Yes

Thermocouples – Honeywell Q340 Series

PART NO	VENDOR PART NO	CAPILLARY TUBE LENGTH (IN)	BULB LENGTH (IN)	BULB DIA (IN)	BULB END CONNECTIONS	GAS VALVE END FITTING OD (IN)	CASE QTY	CASE REQ
62-25079-95	Q340A1074	24	2-11/64	3/16	Nut, Adapter, Push-in Clip	11/32	10	Yes
62-25079-96	Q340A1082	30	2-11/64	3/16	Nut, Adapter, Push-in Clip	11/32	10	Yes
62-25079-97	Q340A1090	36	2-11/64	3/16	Nut, Adapter, Push-in Clip	11/32	10	Yes

Thermocouples – Honeywell Q390 Series

PART NO	VENDOR PART NO	CAPILLARY TUBE LENGTH (IN)	BULB LENGTH (IN)	BULB DIA (IN)	BULB END CONNECTIONS	GAS VALVE END FITTING OD (IN)	CASE QTY	CASE REQ
62-25079-01	Q390A1095	18	2-11/64	3/16	Nut, Adapter, Push-in Clip	11/32	10	Yes
62-25079-02	Q390A1046	24	2-11/64	3/16	Nut, Adapter, Push-in Clip	11/32	10	Yes
62-25079-03	Q390A1053	30	2-11/64	3/16	Nut, Adapter, Push-in Clip	11/32	10	Yes
62-25079-04	Q390A1061	36	2-11/64	3/16	Nut, Adapter, Push-in Clip	11/32	10	Yes

BURNER NOZZLES

- Brass construction for maximum resistance to corrosion
- Manufactured with rolled threads to avoid metal chips and burrs
- All nozzles are sold complete with a sintered filter for maximum protection against orifice clogging
- 100% tested to verify design flow rate and spray angle

Burner Nozzles – Oil Burners (Type A)

Hollow Cone Type A nozzles are mainly used on burners with a hollow cone air pattern. The droplet distribution is concentrated on the outside of the cone and results in good ignition and low-noise combustion.

PART NO	TYPE	SPRAY PATTERN	FLOWRATE (GPH)	SPRAY ANGLE (DEGREES)
PD595146	A	Hollow Spray	0.50	70
5080A	A	Hollow Spray	0.50	80
PD595164	A	Hollow Spray	0.50	90
595147	A	Hollow Spray	0.55	80
595148	A	Hollow Spray	0.55	90
6080A	A	Hollow Spray	0.60	80
6570A	A	Hollow Spray	0.65	70
6580A	A	Hollow Spray	0.65	80
595001	A	Hollow Spray	0.75	30
595025	A	Hollow Spray	0.75	45
595026	A	Hollow Spray	0.75	60
595027	A	Hollow Spray	0.75	70
595028	A	Hollow Spray	0.75	80
595029	A	Hollow Spray	0.75	90
595004	A	Hollow Spray	0.80	30
595040	A	Hollow Spray	0.80	45
595041	A	Hollow Spray	0.80	60

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Burner Nozzles – Oil Burners (Type A) – continued

PART NO	TYPE	SPRAY PATTERN	FLOWRATE (GPH)	SPRAY ANGLE (DEGREES)
595042	A	Hollow Spray	0.80	70
8570A	A	Hollow Spray	0.80	70
595043	A	Hollow Spray	0.80	80
595044	A	Hollow Spray	0.80	90
595007	A	Hollow Spray	0.85	30
595055	A	Hollow Spray	0.85	45
595056	A	Hollow Spray	0.85	60
595057	A	Hollow Spray	0.85	70
595058	A	Hollow Spray	0.85	80
595059	A	Hollow Spray	0.85	90
595010	A	Hollow Spray	0.90	30
595070	A	Hollow Spray	0.90	45
595071	A	Hollow Spray	0.90	60
595072	A	Hollow Spray	0.90	70
595073	A	Hollow Spray	0.90	80
595074	A	Hollow Spray	0.90	90
595015	A	Hollow Spray	1.00	30
595095	A	Hollow Spray	1.00	45
595096	A	Hollow Spray	1.00	60
595097	A	Hollow Spray	1.00	70
595098	A	Hollow Spray	1.00	80
595099	A	Hollow Spray	1.00	90
595020	A	Hollow Spray	1.10	30
595120	A	Hollow Spray	1.10	45
595121	A	Hollow Spray	1.10	60
PD595122	A	Hollow Spray	1.10	70
595123	A	Hollow Spray	1.10	80
595124	A	Hollow Spray	1.10	90

Burner Nozzles – Oil Burners (Type B)

Solid Cone Type B nozzles produce a spray that distributes fairly uniformly throughout the complete pattern. Provides smooth ignition and efficient combustion, particularly in larger burners.

PART NO	TYPE	SPRAY PATTERN	FLOWRATE (GPH)	SPRAY ANGLE (DEGREES)
59-22709-08	B	Solid Spray	0.50	70
6060B	B	Solid Spray	0.60	60
59-22709-09	B	Solid Spray	0.60	70
6080B	B	Solid Spray	0.60	80
6560B	B	Solid Spray	0.65	60
6570B	B	Solid Spray	0.65	70
595145	B	Solid Spray	0.65	80
595002	B	Solid Spray	0.75	30
595030	B	Solid Spray	0.75	45
595031	B	Solid Spray	0.75	60
595032	B	Solid Spray	0.75	70
595033	B	Solid Spray	0.75	80
7580B	B	Solid Spray	0.75	80
595034	B	Solid Spray	0.75	90
595005	B	Solid Spray	0.80	30
595045	B	Solid Spray	0.80	45

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Burner Nozzles – Oil Burners (Type B) – continued

PART NO	TYPE	SPRAY PATTERN	FLOWRATE (GPH)	SPRAY ANGLE (DEGREES)
595046	B	Solid Spray	0.80	60
595047	B	Solid Spray	0.80	70
595048	B	Solid Spray	0.80	80
595049	B	Solid Spray	0.80	90
595008	B	Solid Spray	0.85	30
595060	B	Solid Spray	0.85	45
595061	B	Solid Spray	0.85	60
59-22709-04	B	Solid Spray	0.85	70
595062	B	Solid Spray	0.85	70
595063	B	Solid Spray	0.85	80
59-18056-02	B	Solid Spray	0.85	80
595064	B	Solid Spray	0.85	90
595011	B	Solid Spray	0.90	30
595075	B	Solid Spray	0.90	45
595076	B	Solid Spray	0.90	60
595077	B	Solid Spray	0.90	70
595078	B	Solid Spray	0.90	80
595079	B	Solid Spray	0.90	90
PD595016	B	Solid Spray	1.00	30
595100	B	Solid Spray	1.00	45
595101	B	Solid Spray	1.00	60
59-22709-05	B	Solid Spray	1.00	70
595102	B	Solid Spray	1.00	70
595103	B	Solid Spray	1.00	80
595104	B	Solid Spray	1.00	90
595021	B	Solid Spray	1.10	30
595125	B	Solid Spray	1.10	45
595126	B	Solid Spray	1.10	60
595127	B	Solid Spray	1.10	70
595128	B	Solid Spray	1.10	80
595129	B	Solid Spray	1.10	90
59-22709-06	B	Solid Spray	1.20	70
59-22709-07	B	Solid Spray	1.35	70
17580B	B	Solid Spray	1.75	80

Burner Nozzles – Oil Burners (Type B – Del-O-Flo)

Solid Cone Type B Del-O-Flo style nozzles are low-capacity nozzles designed to minimize plugging problems associated with very low flow rates. The special interior design flushes contaminants and limits build-up. The Del-O-Flo Type B nozzle satisfactorily interchanges with other hollow and solid cone nozzles.

PART NO	TYPE	SPRAY PATTERN	FLOWRATE (GPH)	SPRAY ANGLE (DEGREES)
59-22709-12	B (Del-O-Flo)	Solid Spray	0.50	70
59-22709-13	B (Del-O-Flo)	Solid Spray	0.60	70
59-22709-10	B (Del-O-Flo)	Solid Spray	0.75	70
59-22709-11	B (Del-O-Flo)	Solid Spray	0.85	70

Burner Nozzles – Oil Burners (Type W)

Type W All Purpose nozzles are neither truly hollow nor solid. These nozzles frequently can be used in place of either solid or hollow cone nozzles above 0.40 GPH regardless of the burner's air pattern.

PART NO	TYPE	SPRAY PATTERN	FLOWRATE (GPH)	SPRAY ANGLE (DEGREES)
PD595149	W	All Purpose	0.60	80
595003	W	All Purpose	0.75	30
595036	W	All Purpose	0.75	60
595037	W	All Purpose	0.75	70
595038	W	All Purpose	0.75	80
595039	W	All Purpose	0.75	90
595006	W	All Purpose	0.80	30
595050	W	All Purpose	0.80	45
595051	W	All Purpose	0.80	60
595052	W	All Purpose	0.80	70
595053	W	All Purpose	0.80	80
595054	W	All Purpose	0.80	90
PD595009	W	All Purpose	0.85	30
595065	W	All Purpose	0.85	45
595066	W	All Purpose	0.85	60
595067	W	All Purpose	0.85	70
595068	W	All Purpose	0.85	80
595069	W	All Purpose	0.85	90
595012	W	All Purpose	0.90	30
595080	W	All Purpose	0.90	45
595081	W	All Purpose	0.90	60
595082	W	All Purpose	0.90	70
595083	W	All Purpose	0.90	80
595084	W	All Purpose	0.90	90
595017	W	All Purpose	1.00	30
595105	W	All Purpose	1.00	45
595106	W	All Purpose	1.00	60
595107	W	All Purpose	1.00	70
PD595108	W	All Purpose	1.00	80
595109	W	All Purpose	1.00	90
595022	W	All Purpose	1.10	30
595130	W	All Purpose	1.10	45
595131	W	All Purpose	1.10	60
595132	W	All Purpose	1.10	70
595133	W	All Purpose	1.10	80
595134	W	All Purpose	1.10	90

Burner Nozzles – Oil Burners (Type R-D)

Type R-D nozzles have a high concentration of droplets in the center of the spray cone. They are particularly recommended for burners with a highly concentrated solid air pattern. The average droplet size is slightly coarser than on Type B.

PART NO	TYPE	SPRAY PATTERN	FLOWRATE (GPH)	SPRAY ANGLE (DEGREES)
59-22709-01	R-D	Solid Spray	0.50	70

BURNER NOZZLES

Burner Nozzles – Oil Burners (Type AR-D)

Type AR-D nozzles are Solid Cone similar to Type B but with a slightly lower concentration of droplets in the center of the cone.

PART NO	TYPE	SPRAY PATTERN	FLOWRATE (GPH)	SPRAY ANGLE (DEGREES)
59-22709-02	AR	Solid Spray	0.60	60

FUEL OIL FILTERS

FUEL OIL FILTER ASSEMBLIES

- Iron and galvanized steel construction for maximum integrity and durability; epoxy powder coat finish
- Leak-proof construction with machined gasket seat
- Low pressure drop, suitable for gravity flow and one or two pipe systems on pressure type burners
- Micronic filtration suited to the smallest oil burner nozzle
- High quality wool felt filter elements that remove solid contaminants
- Bonding treatment of center core in filter element eliminates lint
- Step design element offers largest dirt capacity with true depth filtration

59-77 Fuel Oil Filter Assembly

PART NO	VENDOR PART NO	FILTER MATERIAL	MAX WORKING PRESSURE (PSIG)	YIELD PRESSURE (PSIG)	MAX FIRING RATE - N02 FUEL OIL (GPH)	INLET NPT (IN)	OUTLET NPT (IN)	FILTER ASSEMBLY OVERALL LGTH (IN)	FILTER CANISTER DIA (IN)	REPLACEMENT ELEMENT (WOOL FELT)	REPLACEMENT ELEMENT (RAYON)
59-77	77	Wool Felt	40	200	10	3/8	3/8	5-1/8	3-5/8	59-88-CR	59-RF-1

59-99 Fuel Oil Filter Assembly

PART NO	VENDOR PART NO	FILTER MATERIAL	MAX FIRING RATE - N02 FUEL OIL (GPH)	INLET NPT (IN)	OUTLET NPT (IN)	FILTER ASSEMBLY OVERALL LGTH (IN)	FILTER CANISTER DIA (IN)	REPLACEMENT ELEMENT (WOOL FELT)	REPLACEMENT ELEMENT (RAYON)
59-99	99	Wool Felt	25	3/8	3/8	6-1/4	4-3/8	59-101	59-RF-2

FUEL OIL FILTER ASSEMBLIES

Fuel Oil Filters – Replacement Cartriges (Rayon)

Crafted with quality from continuous spun Rayon fibers with an exclusive gear tooth design for maximum surface area and enhanced depth filtration. The unique density specifications allow collection of contaminants deep into the filter.

PART NO	VENDOR PART NO	FILTER MATERIAL	CROSS REFERENCE
59-RF-1	RF-1	Rayon	Unifilter 77, General 1A-25A, Sears 8055, Sid Harvey XF-25/264, Mitco 264, AutoFlo F-300, Eddington S-254, Federal A-77
59-RF-2	RF-2	Rayon	Unifilter 99, General 2A-700A, Sid Harvey XF-1/265, Mitco 265, AutoFlo F-400, Eddington S-252
59-RF-4	RF-4	Rayon	Fulflo B4, AS4, FB4

FUEL OIL FILTERS

FUEL OIL FILTER ASSEMBLIES

Fuel Oil Filters – Replacement Cartriges (Wool Felt)

Crafted with special “step design” wool felt element. Unique center core bond treatment eliminates lint.

PART NO	VENDOR PART NO	FILTER MATERIAL	CROSS REFERENCE
59-101	101	Wool Felt	Unifilter 99, General 2A-700A, Sid Harvey XF-1/265, Mitco 265, AutoFlo F-400, Eddington S-252
59-88-CR	88-CR	Wool Felt	Unifilter 77, General 1A-25A, Sears 8055, Sid Harvey XF-25/264, Mitco 264, AutoFlo F-300, Eddington S-254, Federal A-77

OIL TANK PARTS

PART NO	DESCRIPTION
463803	Wireless Oil Tank Monitor
463849	Oil Tank Vertical Leakproof Tank Gauge - 1-1/2 in. x 2 in. MNPT
463858	Oil Tank Cap
463867	Oil Tank Straight Connector - 2 in. FNPT
463885	Oil Tank 45 degree Connector - 1-1/4 in. FNPT
463894	Oil Tank 45 degree Connector - 1-1/2 in. FNPT
463901	Oil Tank 45 degree Connector - 2 in. FNPT
463906	Fusible Inline Oil Tank Valve - 3/8 in. FNPT
463910	Fusible Burner (Angle) Oil Tank Valve - 3/8 in. Flare x 1/4 in. MNPT
463922	Fusible Oil Tank Valve - 1/2 in. MNPT x 3/8 MNPT
463929	Oil Tank Gauge Vial w/Gasket & O-Ring
463930	Oil Tank Scully Gauge Vial
463983	3-Way Oil Tank Tap - 2 in. MNPT x 1/2 in. Tube Return/Supply
464007	3-Way Oil Tank Tap - 2 in. MNPT x 3/8 in. Tube Return/Supply
464023	Oil Tank Standard Fill Alarm - 2 in. MNPT x 1-1/2 in. FNPT
464045	Oil Tank Standard Fill Alarm - 2 in. MNPT x 2 in. FNPT
464104	Oil Tank Vertical Fill Alarm/Gauge - 2 in. MNPT x 1-1/4 in. FNPT
464107	Oil Tank Vertical Fill Alarm/Gauge - 2 in. MNPT x 1-1/2 in. FNPT
464112	Oil Tank Vertical Fill Alarm/Gauge - 2 in. MNPT x 2 in. FNPT
464125	Oil Tank Slip-on Vent Cap - 1-1/2 in. MNPT
464139	Oil Tank Slip-on Vent Cap - 1-1/4 in. MNPT
464147	Oil Tank Mushroom Vent Cap - 1-1/4 in. FNPT
464152	Oil Tank Mushroom Vent Cap - 1-1/2 in. FNPT
464161	Oil Tank Mushroom Vent Cap - 2 in. FNPT
464163	Oil Tank Slip-on Vent Cap - 2 in. MNPT
464170	Oil Tank Hinged Fill Cap - 2 in. FNPT

NOTES:

SUPPLIES

Condensate Pumps
Condensate Overflow Safety Switches
Condensate Traps
Clear Vinyl Tubing
Hose Clamps
Auxiliary Drain Pans
AC Guard Security Cage
Equipment Pads
Anti-Vibration Pads
Gas Ball Valves
Flexible Gas Connectors
Black Iron Pipe & Fittings
Thermostat Cable
Refrigerant Recovery Cylinders
Tank Heater
SlimDuct Lineset Ducting System
Tapes
Chip Brushes
Duct Strap & Hanging Wire
Brazing & Soldering Supplies

Abrasive Cloth
Clothing & Personal Protection Equipment
Cleaning Supplies & Hand Cleaner
Light Bulbs
Pipe Flashing
Insulation, Sealing & Gasket Materials
Adhesives
Caulking, Sealants & Fire Stop
WD-40
Thread Sealants & Joint Compounds
Plastic Pipe Cements & Primers
Brass Fittings
Copper Fittings
Coil Cleaners
IAQ Assurance Products
Leak Detectors
Refrigerant Oils
Insect & Pest Sprays
Cleaners, Degreasers & Descalers

CONDENSATE PUMPS

Condensate Pumps – Hartell KT-3 Series

Uses a double splash protected motor with more starting torque than a standard motor. An innovated cam-action switch/float assembly allows a “drink” nearly twice a typical volume without increasing pump dimensions. High-impact ABS construction. An integral full-flow check valve virtually eliminates blocked pump discharge. Three top inlets provided for installation flexibility.

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	SAFETY SWITCH	TUBING	TANK CAPACITY (GALLONS)	OVERALL DIMENSIONS LxWxH (IN)	SHUT-OFF HEAD (FT)	FLOW RATE @18FT HEAD (GPH)	FLOW RATE @12FT HEAD (GPH)	FLOW RATE @6FT HEAD (GPH)
84-KT3-1UL	KT3-1UL	120	No	Not included	0.75	9-1/4 x 5-1/2 x 8-1/4	18-1/2	50	120	155

Condensate Pumps – Hartell KT-15 Series

Designed to provide years of trouble-free service. An integral full-flow check valve virtually eliminates blocked pump discharge. Two top inlets provided.

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	SAFETY SWITCH	TUBING	TANK CAPACITY (GALLONS)	OVERALL DIMENSIONS LxWxH (IN)	SHUT-OFF HEAD (FT)	FLOW RATE @18FT HEAD (GPH)	FLOW RATE @12FT HEAD (GPH)	FLOW RATE @6FT HEAD (GPH)
84-KT-15-1UL	KT-15-1UL	120	No	Not included	0.75	9-1/4 x 5-1/2 x 8-1/4	15	—	68	118
84-KT-15X-1ULT	KT-15X-1ULT	120	Yes	3/8 in. ID (20 ft.)	0.75	9-1/4 x 5-1/2 x 8-1/4	15	—	68	118
84-KT-15X-1UL	KT-15X-1UL	120	Yes	Not included	0.75	9-1/4 x 5-1/2 x 8-1/4	15	—	68	118

Condensate Pumps – Little Giant VCMA Series

A vertical type pump with stainless steel motor shaft, rust proof, high-impact ABS volute, tank and motor cover, removable 3/8 in. O.D. barbed check valve. Three top inlets provided.

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	SAFETY SWITCH	TUBING	TANK CAPACITY (GALLONS)	OVERALL DIMENSIONS LxWxH (IN)	SHUT-OFF HEAD (FT)	FLOW RATE @10FT HEAD (GPH)	FLOW RATE @5FT HEAD (GPH)	FLOW RATE @1FT HEAD (GPH)
84-VCMA-15UL	554401	120	No	Not included	0.50	11 x 5 x 7-1/32	15	25	50	65
84-VCMA-15ULST	554415	120	Yes	3/8 in. I.D. (20 ft.)	0.50	11 x 5 x 7-1/32	15	25	50	65
84-VCMA-15ULS	554405	120	Yes	Not included	0.50	10-5/16 x 5 x 7-1/32	15	25	50	65
84-VCMA-20ULS	554425	120	Yes	Not included	0.50	11 x 5 x 7-1/32	20	48	70	80
84-VCMA-20UL-230	554451	230	No	Not included	0.50	11 x 5 x 7-1/32	17	48	70	80
84-VCMA-20ULST-230	554461	230	Yes	3/8 in. I.D. (20 ft.)	0.50	11 x 5 x 7-1/32	17	48	70	80
84-VCMA-20ULS-230	554455	230	Yes	Not included	0.50	11 x 5 x 7-1/32	17	48	70	80

Condensate Pumps – Little Giant VCC Series

A low profile compact size for applications with limited space. Pumps feature a stainless steel motor shaft, rust proof, high-impact ABS volute, tank and motor cover. Discharge is a 3/8 in. O.D. barbed tubing adapter/check valve. Two top inlets provided.

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	SAFETY SWITCH	TUBING	TANK CAPACITY (GALLONS)	OVERALL DIMENSIONS LxWxH (IN)	SHUT-OFF HEAD (FT)	FLOW RATE @10FT HEAD (GPH)	FLOW RATE @5FT HEAD (GPH)	FLOW RATE @1FT HEAD (GPH)
84-VCC-20ULS	554200	120	Yes	Not included	0.30	12 x 5 x 5	20	45	70	80
84-VCC-20ULS-230	554210	230	Yes	Not included	0.30	12 x 5 x 5	17	45	70	80

Condensate Pumps – Little Giant VCL Series

Features a stainless steel motor shaft, ABS tank, and galvanized steel tank cover. Discharge is a 1/4 in. NPT or 3/8 in. O.D. barbed tubing adapter. Two top inlets provided.

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	SAFETY SWITCH	TUBING	TANK CAPACITY (GALLONS)	OVERALL DIMENSIONS LxWxH (IN)	SHUT-OFF HEAD (FT)	FLOW RATE @10FT HEAD (GPH)	FLOW RATE @5FT HEAD (GPH)	FLOW RATE @1FT HEAD (GPH)
84-VCL-24ULS	553201	120	Yes	Not included	1	12-7/64 x 6 x 10-3/8	24	210	250	270

CONDENSATE PUMPS

Condensate Pumps – Sauermann

High flow rate, high discharge head pumps with integral check valve.
Two top inlets, and hose adapter provided.

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	SAFETY SWITCH	TUBING	TANK CAPACITY (GALLONS)	OVERALL DIMENSIONS LxWxH (IN)	SHUT-OFF HEAD (FT)	FLOW RATE @16FT HEAD (GPH)	FLOW RATE @6.6FT HEAD (GPH)	FLOW RATE @0FT HEAD (GPH)
SI1805SIUS11	SI1805SIUS11	120	Yes	Not included	0.13	7-3/4 x 5 x 4-3/4	20	23	103	132
SI1820SIUS11	SI1820SIUS11	120	Yes	Not included	0.53	7-3/4 x 5 x 6-3/4	20	23	103	132

Mini-Split Condensate Pumps – Little Giant EC Series

- Fits most mini-splits up to 25,000 BTU/HR
- Compact two-piece design allows flexible installation
- Quiet operation
- Self-priming pump
- Kit contents:
  - Pump unit
  - Suction tubing (3 ft.)
  - Vent tubing (8 in.)
  - Drain tubing (3 in.)
  - Tubing adapter

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	SAFETY SWITCH	PUMP DIMENSIONS LxWxH (IN)	SHUT-OFF HEAD (FT)	MAXIMUM SUCTION HEAD (FT)	FLOW RATE @20FT HEAD (GPH)	FLOW RATE @1FT HEAD (GPH)
84-EC-400-115	553455	120	Yes	1-3/8 x 1-3/4 x 4-3/8	35	3	0.6	2.5
84-EC-400-230	553458	230	Yes	1-3/8 x 1-3/4 x 4-3/8	35	3	0.6	2.5

Mini-Split Condensate Pumps – Sauermann

- Suitable for most mini-splits up to 60,000 BTU/HR
- Designed for mini-splits with limited internal space; suitable
- Consists of pump unit and remote detection unit fitted with three level float (on/off/alarm)
- Low maintenance filter-free detection unit
- Quiet operation
- Kit contents:
  - Pump unit
  - Detection unit with float
  - Anti-vibration mounting bracket
  - Power cable
  - Detector installation kit with rubber elbow and vent tube

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	SAFETY SWITCH	OVERALL DIMENSIONS LxWxH (IN)	SHUT-OFF HEAD (FT)	MAXIMUM SUCTION HEAD (FT)	FLOW RATE @16FT HEAD (GPH)	FLOW RATE @3.3FT HEAD (GPH)
SI3000SIUS11	SI3000SIUS11	120	Yes	2-5/8 x 1-3/4 x 2-3/8	20	10	2.7	4.6
SI3200SIUS11	SI3200SIUS11	120	Yes	2-5/8 x 1-3/4 x 2-1/2	20	6.6	3.04	5.02
SI3000SIUS23	SI3000SIUS23	230	Yes	2-5/8 x 1-3/4 x 2-3/8	20	10	2.7	4.6
SI3200SIUS23	SI3200SIUS23	230	Yes	2-5/8 x 1-3/4 x 2-1/2	20	6.6	3.04	5.02

CONDENSATE OVERFLOW SAFETY SWITCHES

84-ACS-2-18 & 84-ACS-2-72 Condensate Overflow Safety Switches – Pan Mount

- Mounts to the side of condensate drain pans
- Detects high condensate levels in drain pans and shuts-off the system
- The switch can be wired to operate as normally open or normally closed

PART NO	DESCRIPTION
84-ACS-2-18	Condensate Overflow Safety Switch - Pan Mount
84-ACS-2-72	Condensate Overflow Safety Switch - Pan Mount

CONDENSATE OVERFLOW SAFETY SWITCHES

84-J-100 Condensate Overflow Safety Switch – Pan Mount

- Mounts to the side of condensate drain pans
- Detects high condensate levels in drain pans and shuts-off the system
- The switch can be wired to operate as normally open or normally closed

PART NO	DESCRIPTION
84-J-100	Condensate Overflow Safety Switch - Pan Mount

84-SS1 Condensate Overflow Safety Switch – Main or Auxiliary Drain Line Mount

- Designed for installation in the drain pan primary outlet or auxiliary outlet
- Designed for in-line installation in the vertical or horizontal position
- Detects high condensate levels in drain pans and shuts-off the system
- Includes all fittings required for both mounting positions
- The switch is designed to operate only as normally closed
- Includes fittings for 3/4 in. and 1 in. drains and 3/4 in. threaded female pan drains

PART NO	DESCRIPTION
84-SS1	Condensate Overflow Safety Switch - Main or Auxiliary Drain Line Mount

84-SS2 Condensate Overflow Safety Switch – Auxiliary Drain Line Mount

- Designed for installation in the drain pan auxiliary outlet
- Detects high condensate levels in drain pans and shuts-off the system
- The switch is designed to operate only as normally closed
- Compact overflow switch with 3/4 in. female slip inlet and 3/4 in. threaded male adapter; two part design for use where obstructions prevent direct threading

PART NO	DESCRIPTION
84-SS2	Condensate Overflow Safety Switch - Auxiliary Drain Line Mount

84-SS3 Condensate Overflow Safety Switch – Pan Mount

- Mounts to the side of condensate drain pans
- Detects high condensate levels in drain pans and shuts-off the system
- The switch is designed to operate only as normally closed

PART NO	DESCRIPTION
84-SS3	Condensate Overflow Safety Switch - Pan Mount

EZT-225 Condensate Overflow Safety Switch – Main or Auxiliary Drain Line Mount

- Designed for installation in the drain pan primary outlet or auxiliary outlet
- Designed for in-line installation in the vertical or horizontal position
- Detects high condensate levels in drain pans and shuts-off the system
- Includes all fittings required for both mounting positions
- The switch can be wired to operate as normally open or normally closed; three lead wires
- Includes fittings for 3/4 in. and 1 in. drains and 3/4 in. threaded female drains

PART NO	DESCRIPTION
EZT-225	Condensate Overflow Safety Switch - Main or Auxiliary Drain Line Mount

EZT-224 Condensate Overflow Safety Switch – Auxiliary Drain Line Mount

- Designed for installation in the drain pan auxiliary outlet
- Detects high condensate levels in drain pans and shuts-off the system
- The switch can be wired to operate as normally open or normally closed; three lead wires
- Compact overflow switch with 3/4 in. male threaded inlet

PART NO	DESCRIPTION
EZT-224	Condensate Overflow Safety Switch - Auxiliary Drain Line Mount

CONDENSATE OVERFLOW SAFETY SWITCHES

EZT-226 Condensate Overflow Safety Switch – Auxiliary Drain Line Mount

- Designed for installation in the drain pan auxiliary outlet
- Detects high condensate levels in drain pans and shuts-off the system
- The switch can be wired to operate as normally open or normally closed; three lead wires
- Compact overflow switch with 3/4 in.female slip inlet and 3/4 in. threaded male adapter; two part design for use where obstructions prevent direct threading

PART NO	DESCRIPTION
EZT-226	Condensate Overflow Safety Switch - Auxiliary Drain Line Mount

EZT-228 Condensate Overflow Safety Switch – Visual Indicator

- Designed for installation in the drain pan primary outlet or auxiliary outlet
- Detects high condensate levels in drain pans and shuts-off the system
- The switch can be wired to operate as normally open or normally closed; three lead wires
- Connects to the drain pan with a 3/4 in.connection
- Includes a clear extension tube for visual indication

PART NO	DESCRIPTION
EZT-228	Condensate Overflow Safety Switch - Visual Indicator

CONDENSATE TRAPS

EZT-107

3/4 in. side entry cross trap kit; designed for offset mounting on “A” coil applications. Includes: 3/4 in. standard trap, 3/4 in. cross, 3/4 in. tee, two 3/4 in. red caps, one 1 in. red cap, 3/4 in. x 3/4 in. x 1 in. reducing tee, 3/4 in. male adaptor, 3/4 in. black stub, and cleaning brush.

PART NO	DESCRIPTION
EZT-107	Cross Trap Kit - 3/4 in. Side Entry

EZT-113

3/4 in. economy trap kit; blow molded U-bend trap, no brush. Includes: 3/4 in. blow molded trap, 3/4 in. cross, 3/4 in. tee, and three 3/4 in. red caps.

PART NO	DESCRIPTION
EZT-113	Cross Trap Kit - 3/4 in. Economy

EZT-113B

Same as EZT-113 except includes cleaning brush.

PART NO	DESCRIPTION
EZT-113	Cross Trap Kit - 3/4 in. Economy

EZT-119

1 in. high flow commercial trap kit. Includes: 1 in. standard trap, 1 in. cross, 1 in. tee, two 1 in. red caps, 1 in. x 3/4 in. bushing, 1 in. male adaptor, 3/4 in. black stub, and cleaning brush.

PART NO	DESCRIPTION
EZT-119	Cross Trap Kit - 1 in. Standard

CONDENSATE TRAPS

EZT-406

Flexible cleaning brush only.

PART NO	DESCRIPTION
EZT-406	Flexible Cleaning Brush

EZT-414

3/4 in. clean-out cross with two 3/4 in. red caps.

PART NO	DESCRIPTION
EZT-414	Clean-Out Cross - 3/4 in. w/2 Caps

EZT-150

Ultratrap waterless trap kit fits 3/4 in. or 1 in.; eliminates standing water and freezing problems. Includes: 3/4 in. Ultratrap, 3/4 in. cross, two 3/4 in. red caps, 3/4 in. male adaptor, 3/4 in. coupler, and cleaning brush.

PART NO	DESCRIPTION
EZT-150	UltraTrap Waterless Trap Kit

EZT-205

3/4 in. deep trap with overflow switch; designed for offset mounting. Includes: 3/4 in. Deep trap, 1in. cross, 3/4 in. tee, one 1 in. red cap, 3/4 in tee, 3/4 in. male adaptor, 3/4 in. black stub, float switch assembly, 48 in. leads, 1 in. x 3/4 in. bushing, and cleaning brush.

PART NO	DESCRIPTION
EZT-205	Deep Cross Trap Kit - 3/4 in. w/Float Switch

EZT-207

3/4 in. trap with overflow switch; designed for offset mounting on “A” coil applications. Includes: 3/4 in. standard trap, 3/4 in. cross, 3/4 in. tee, two 3/4 in. red caps, 3/4 in. x 3/4 in. x 1 in. reducing tee, 3/4 in. male adaptor, 3/4 in. black stub, float switch assembly, 48 in. leads, and cleaning brush.

PART NO	DESCRIPTION
EZT-207	Cross Trap Kit - 3/4 in. Switched Side Entry

EZT-210

3/4 in. standard trap kit with overflow switch and cross. Includes: 3/4 in. standard trap, 1 in. cross, 1 in. red cap, two 1 in. x 3/4 in bushings, 3/4 in. tee, 3/4 in. male adapter, 3/4 in. black stub, float switch assembly, 48 in. leads, and cleaning brush.

PART NO	DESCRIPTION
EZT-207	Cross Trap Kit - 3/4 in. Switched Side Entry

EZT-211

Same as EZT-210 except does not include cleaning brush or 3/4 in. male adapter.

PART NO	DESCRIPTION
EZT-211	Cross Trap Kit - 3/4 in. Standard w/Float Switch (w/o Brush or Adapter)

CONDENSATE TRAPS

EZT-219

1 in. trap with overflow switch; designed for offset mounting. Includes: 1 in. standard trap, 1in. cross, 1 in. tee, one 1 in. red cap, 1 in tee, 1 in. male adaptor, 1 in. black stub, float switch assembly, 48 in. leads, 1 in. x 3/4 in. bushing, and cleaning brush.

PART NO	DESCRIPTION
EZT-219	Cross Trap Kit - 1 in. w/Float Switch

EZT-250

Waterless trap kit fits 3/4 in. or 1 inch; eliminates standing water and freezing problems; includes overflow switch. Includes: 3/4 in. Ultratrap, 3/4 in. cross, two 3/4 in. red caps, 3/4 in. male adaptor, 3/4 in. coupler, float switch assembly, 48 in. cable, and cleaning brush.

PART NO	DESCRIPTION
EZT-250	UltraTrap Switched Waterless Trap Kit - Pos.

CLEAR VINYL TUBING

PART NO	HOSE ID (IN)	LENGTH (FT)	MATERIAL	COLOR
686012	1/4	100	Vinyl	Clear
686013	3/8	100	Vinyl	Clear
686014	1/2	100	Vinyl	Clear
686015	5/8	100	Vinyl	Clear
686016	3/4	100	Vinyl	Clear
686017	7/8	50	Vinyl	Clear
686018	1	50	Vinyl	Clear

HOSE CLAMPS

Hose Clamps – Worm Drive Type

PART NO	NOMINAL HOSE SIZE - OD (IN)	ADJUST RANGE HOSE OD (IN)	CLAMP SIZE	BAND MATERIAL	BAND WIDTH (IN)	TYPE	CASE QTY	CASE REQ
86-25172-05	5/8 - 3/4	9/16 - 1-1/4	12	Stainless Steel Band	1/2	Worm Drive	10	Yes
86-25172-06	3/4 - 1	11/16 - 1-1/2	16	Stainless Steel Band	1/2	Worm Drive	10	Yes
86-25172-07	1 - 1-1/4	3/4 - 1-3/4	20	Stainless Steel Band	1/2	Worm Drive	10	Yes
PD455151	5/16 - 3/8	3/8 - 7/8	6	Stainless Steel Band	1/2	Worm Drive	10	Yes

AUXILIARY DRAIN PANS

- Mounts to the side of condensate drain pans
- Detects high condensate levels in drain pans and shuts-off the system
- The switch can be wired to operate as normally open or normally closed

Aquaguard Goliath Auxiliary Drain Pans

- Polymer, crack-resistant secondary drain pan
- Includes magnetic, 24VAC, 5A float kit
- Horizontal mounting
- Vibration isolators

PART NO	TOP WIDTH (IN)	TOP LENGTH (IN)	DEPTH (IN)	MATERIAL	CASE QTY	CASE REQ
AG-G26X56	26-1/2	56-5/8	2-13/16	DexElar	10	Yes
AG-G28X57	28-3/8	57-1/4	5-1/4	DexElar	10	Yes
AG-G28X69	28-1/4	69-1/8	4-1/4	DexElar	10	Yes
AG-G30X50	30-1/4	50-1/4	4	DexElar	10	Yes
AG-G30X62	30-3/8	63	4-1/4	DexElar	10	Yes

Aquaguard Goliath Furnace Auxiliary Drain Pans

- Polymer crack-resistant secondary drain pan
- Includes AG-4300 Magnetic, 24VAC, 5A Float Kit
- Vertical or horizontal mounting depending on model
- Vibration isolators

PART NO	TOP WIDTH (IN)	TOP LENGTH (IN)	DEPTH (IN)	MATERIAL	CASE QTY	CASE REQ
AG-GF30X36	30-1/2	37-1/2	3	DexElar	10	Yes
AG-GF34X64	34-1/8	64-1/8	7-1/2	DexElar	10	Yes
AG-GF34X79	33-3/4	79	7-1/2	DexElar	10	Yes

Aquaguard Goliath Furnace Auxiliary Drain Pans

- Compact for tight space applications
- Polymer crack-resistant secondary drain pan
- Includes AG-4100 Magnetic, 24VAC, 5A Float Kit
- Vertical or horizontal mounting depending on model

PART NO	TOP WIDTH (IN)	TOP LENGTH (IN)	DEPTH (IN)	MATERIAL	CASE QTY	CASE REQ
AG-T30X62	32-1/8	61-5/8	2-1/4	DexElar	10	Yes
AG-T32X32	31-7/8	31-7/8	2-1/4	DexElar	10	Yes

AC GUARD SECURITY CAGE

Protect air conditioners from copper thieves with patent pending air conditioner cage. Completely adjustable, these cages expand to fit most air conditioning units for commercial and residential.

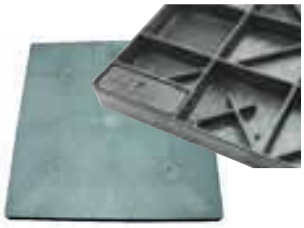
- Pleasing appearance
- Installs in 30 minutes
- Removable for maintenance
- 16 gauge steel
- Height adjustable from 34 inches to 59 inches
- Width and depth independently adjustable from 30 inches to 51 inches

PART NO	DESCRIPTION
ACGUKIT	AC Security Cage

EQUIPMENT PADS

Equipment Pads – Eco Pad Series

PART NO	WIDTH (IN)	LENGTH (IN)	THICKNESS (IN)	PAD WEIGHT (LB)	CASE WEIGHT (LB)	CASE QTY	CASE REQ
92120001	18	36	2	7.65	382.5	50	Yes
92120002	24	24	2	7.002	350.1	50	Yes
93120021	24	24	3	9.26	296.32	32	Yes
92120003	24	36	2	10.37	518.5	50	Yes
93120022	24	36	3	13.46	430.72	32	Yes
93120004	24	48	3	16.69	267.04	16	Yes
92120007	30	30	2	10.3	257.5	25	Yes
93120006	30	30	3	13.44	215.04	16	Yes
92120009	30	40	2	12.97	324.5	25	Yes
92120011	33	33	2	12.28	307	25	Yes
93120010	33	33	3	15.33	245.28	16	Yes
93120011	33	38	3	14	224	16	Yes
92120013	33	45	2	16.65	416.25	25	Yes
93120012	33	45	3	20.3	324.8	16	Yes
92120015	36	36	2	14.52	363	25	Yes
93120014	36	36	3	18.72	299.52	16	Yes
92120017	36	48	2	20.74	331.84	16	Yes
93120016	36	48	3	25.47	407.52	16	Yes
93120025	36	67	3	28	448	16	Yes
93120018	50	50	3	33.7,34	539.2,544	16	Yes
93120019	50	60	3	40.24	643.84	16	Yes
93120020	50	70	3	47.09	753.44	16	Yes

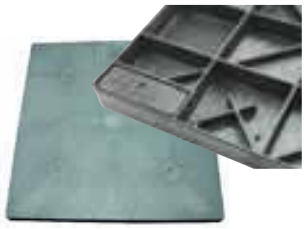


Equipment Pads – Duragrid Series

PART NO	WIDTH (IN)	LENGTH (IN)	THICKNESS (IN)	PAD WEIGHT (LB)	CASE WEIGHT (LB)	CASE QTY	CASE REQ
92110001	18	36	2	7.87	393.50	50	Yes
92110002	24	24	2	7.52	376.00	50	Yes
93110001	24	24	3	9.26	296.32	32	Yes
93110003	24	36	2	9.96	159.28	16	Yes
92110003	24	36	2	10.37	518.50	50	Yes
93110002	24	36	3	12.75	407.52	32	Yes
92110004	24	42	2	12.72	318.00	25	Yes
92110005	24	48	2	13.54	338.5	25	Yes
92110007	30	30	2	10.30	257.50	25	Yes
93110006	30	30	3	13.44	215.04	16	Yes
92110008	30	36	2	12.53	313.25	25	Yes
93110007	30	36	3	15.97	255.52	16	Yes
92110009	30	40	2	12.97	324.25	25	Yes
93110008	30	40	3	17.72	283.52	16	Yes
92110010	30	42	2	14.02	350.5	25	Yes
93110009	30	42	3	17.95	287.20	16	Yes
92110011	33	33	2	12.28	307.00	25	Yes
93110010	33	33	3	15.33	245.28	16	Yes
92110012	33	38	2	14.48	362.00	25	Yes
93110011	33	38	3	17.92	286.72	16	Yes
92110013	33	45	2	16.65	416.25	25	Yes

continued on next page

EQUIPMENT PADS



Equipment Pads – Duragrid Series (continued)

PART NO	WIDTH (IN)	LENGTH (IN)	THICKNESS (IN)	PAD WEIGHT (LB)	CASE WEIGHT (LB)	CASE QTY	CASE REQ
93110012	33	45	3	20.30	324.80	16	Yes
92110014	33	48	2	18.41	460.25	25	Yes
93110013	33	48	3	23.37	373.92	16	Yes
92110015	36	36	2	14.52	363.00	25	Yes
93110014	36	36	3	18.72	299.52	16	Yes
92110016	36	42	2	17.55	438.75	25	Yes
92110017	36	48	2	19.91	497.75	25	Yes
93110016	36	48	3	25.47	407.52	16	Yes
93110017	42	50	3	27.76	444.16	16	Yes
93110018	50	50	3	33.70	539.20	16	Yes
93110019	50	60	3	40.74	725.00	16	Yes
93110020	50	70	3	47.59	825.00	16	Yes

ANTI-VIBRATION PADS

EVA Anti-Vibration Pads

E.V.A. “Extreme Vibration Attenuation” pads outperform rubber/cork and “waffle” pads. The enhanced performance comes from the special composite foam center which is more structurally sound than cork. Not affected by oils or chemicals that can break down cork and is much more effective at vibration dampening than solid rubber. Designed to withstand 50 psi.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
864011	Anti-Vibration Pad - EVA (2 in. x 2 in. x 7/8 in.)	48	Yes
864012	Anti-Vibration Pad - EVA (3 in. x 3 in. x 7/8 in.)	36	Yes
864013	Anti-Vibration Pad - EVA (4 in. x 4 in. x 7/8 in.)	24	Yes
864014	Anti-Vibration Pad - EVA (18 in. x 18 in. x 7/8 in.)	6	Yes

Rubber Anti-Vibration Pads

High quality elastomeric oil resistant padding. Corrugated on both sides. Ideal for air conditioners, compressors, cooling towers, presses, machines, etc. Designed to withstand 50 psi.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
864001	Anti-Vibration Pad - Rubber (2 in. x 2 in. x 3/8 in.)	48	Yes
864003	Anti-Vibration Pad - Rubber (3 in. x 3 in. x 3/8 in.)	36	Yes
864005	Anti-Vibration Pad - Rubber (4 in. x 4 in. x 3/8 in.)	24	Yes
864007	Anti-Vibration Pad - Rubber (6 in. x 6 in. x 3/8 in.)	24	Yes
864009	Anti-Vibration Pad - Rubber (18 in. x 18 in. x 3/8 in.)	6	Yes

Rubber/Cork Anti-Vibration Pads

High quality elastomeric oil resistant padding. Corrugated on both sides. Ideal for air conditioners, compressors, cooling towers, presses, machines, etc. Designed to withstand 50 psi.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
864002	Anti-Vibration Pad - Rubber/Cork (2 in. x 2 in. x 7/8 in.)	48	Yes
864004	Anti-Vibration Pad - Rubber/Cork (3 in. x 3 in. x 7/8 in.)	36	Yes
864006	Anti-Vibration Pad - Rubber/Cork (4 in. x 4 in. x 7/8 in.)	24	Yes
864008	Anti-Vibration Pad - Rubber/Cork (6 in. x 6 in. x 7/8 in.)	24	Yes
864010	Anti-Vibration Pad - Rubber/Cork (18 in. x 18 in. x 7/8 in.)	6	Yes

GAS BALL VALVES

For use with Natural Gas, LP, manufactured and gas-air mixtures. Two-piece brass body and chrome-plated forged brass ball. Heavy-duty valves have a two-piece forged brass body.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
61-25122-01	Gas Ball Valve (1/2 in. NPT)	12	Yes
61-25122-02	Gas Ball Valve (3/4 in. NPT)	12	Yes
611004	Gas Ball Valve - Heavy Duty (3/4 in. NPT)	10	Yes
611005	Gas Ball Valve - Heavy Duty (1 in. NPT)	6	Yes

FLEXIBLE GAS CONNECTORS

- For use with Natural Gas, LP, manufactured, and gas-air mixtures for residential and commercial gas appliances
- Designed for both indoor and outdoor applications
- Austenitic stainless steel tubing material has high chromium content with no soldered or brazed joints
- Powder-coat polymer connector tube coating for enhanced corrosion resistance
- Zinc-plated 12L14 or 1010 steel connector nuts and fittings
- -40°F to 150°F operating temperature
- Greater depth and number of corrugations to withstand greater torque and bend cycles
- CSA listed to ANSI Z21.24, CSA 6.10, ANSI Z21.75, CSA 6.27; AGAL Contract no. 8204 (American Gas Association Laboratories tested and accepted for vibration resistance to 25 years)
- Listed by the NYC Board of Standards and Appeals and by the Commonwealth of Massachusetts Division of Registration in addition to many gas utilities and local code bodies nationwide

EXAMPLE

CSSC54 - 48 [CSSC][54] - [48]
TYPE FITTINGS LENGTH

TYPE

CSSB Coated Stainless Steel – 3/4 in. I.D. (7/8 in. O.D.) Tube
CSSC Coated Stainless Steel – 1/2 in. I.D. (5/8 in. O.D.) Tube
CSSD Coated Stainless Steel – 3/8 in. I.D. (1/2 in. O.D.) Tube
CSSL Coated Stainless Steel – 1/4 in. I.D. (3/8 in. O.D.) Tube

FITTINGS

1 3/4 in. Male NPT (with 1/2 in. Female NPT)
2 3/4 in. Female NPT
4 1/2 in. Male NPT (with 3/8 in. Female NPT)
5 1/2 in. Female NPT
J 3/4 in. Female NPT Ball Valve
K 1/2 in. Female NPT Ball Valve

LENGTH (INCHES)

- Standard lengths: 12 in., 18 in., 24 in., 30 in., 36 in., 48 in., 60 in., and 72 in.
- Standard lengths include adaptors
- Connectors with ball valves are approximately 1 in. longer

Flexible Gas Connectors – 1/2 inch OD Tube with Ball Valve

PART NO	LENGTH (IN)	CONNECTOR TUBE OD (IN)	CONNECTOR TUBE ID (IN)	FITTING 1 TYPE	FITTING 1 SIZE NPT (IN)	FITTING 2 TYPE	FITTING 2 SIZE NPT (IN)	BALL VALVE ON FITTING 2	CASE QTY	CASE REQ
CSSD4K-36	36	1/2	3/8	Male	1/2	Female	1/2	Included	25	Yes

Flexible Gas Connectors – 1/2 inch OD Tube with Fittings

PART NO	LENGTH (IN)	CONNECTOR TUBE OD (IN)	CONNECTOR TUBE ID (IN)	FITTING 1 TYPE	FITTING 1 SIZE NPT (IN)	FITTING 2 TYPE	FITTING 2 SIZE NPT (IN)	BALL VALVE ON FITTING 2	CASE QTY	CASE REQ
CSSD54-36	36	1/2	3/8	Male	1/2	Female	1/2	Not Included	25	Yes

Flexible Gas Connectors – 5/8 inch OD Tube with Ball Valve

PART NO	LENGTH (IN)	CONNECTOR TUBE OD (IN)	CONNECTOR TUBE ID (IN)	FITTING 1 TYPE	FITTING 1 SIZE NPT (IN)	FITTING 2 TYPE	FITTING 2 SIZE NPT (IN)	BALL VALVE ON FITTING 2	CASE QTY	CASE REQ
CSSC4K-24	24	5/8	1/2	Male	1/2	Female	1/2	Included	20	Yes

FLEXIBLE GAS CONNECTORS

Flexible Gas Connectors – 5/8 inch OD Tube with Fittings

PART NO	LENGTH (IN)	CONNECTOR TUBE OD (IN)	CONNECTOR TUBE ID (IN)	FITTING 1 TYPE	FITTING 1 SIZE NPT (IN)	FITTING 2 TYPE	FITTING 2 SIZE NPT (IN)	BALL VALVE ON FITTING 2	CASE QTY	CASE REQ
CSSC54-36	36	5/8	1/2	Male	1/2	Female	1/2	Not Included	25	Yes
CSSC44-36	36	5/8	1/2	Male	1/2	Male	1/2	Not Included	25	Yes
CSSC54-12	12	5/8	1/2	Male	1/2	Female	1/2	Not Included	25	Yes
CSSC54-18	18	5/8	1/2	Male	1/2	Female	1/2	Not Included	25	Yes
CSSC14-24	24	5/8	1/2	Male	3/4	Male	1/2	Not Included	25	Yes
CSSC14-48	48	5/8	1/2	Male	3/4	Male	1/2	Not Included	25	Yes
CSSC54-24	24	5/8	1/2	Male	1/2	Female	1/2	Not Included	25	Yes
CSSC54-48	48	5/8	1/2	Male	1/2	Female	1/2	Not Included	25	Yes
CSSC14-30	30	5/8	1/2	Male	3/4	Male	1/2	Not Included	25	Yes
CSSC21-24	24	5/8	1/2	Female	3/4	Male	3/4	Not Included	25	Yes
CSSC44-18	18	5/8	1/2	Male	1/2	Male	1/2	Not Included	25	Yes
CSSC44-24	24	5/8	1/2	Male	1/2	Male	1/2	Not Included	25	Yes
CSSC11-24	24	5/8	1/2	Male	3/4	Male	3/4	Not Included	25	Yes
CSSC14-36	36	5/8	1/2	Male	3/4	Male	1/2	Not Included	25	Yes

Replacement End Fittings for Flexible Gas Connectors

PART NO	DESCRIPTION
MAU2-10-12S	Adapter - 3/4 Male NPT x 5/8 in. Male Flare
MAU2-10-8S	Adapter - 1/2 Male NPT x 5/8 in. Male Flare

BLACK IRON PIPE & FITTINGS

BLACK IRON CUT PIPE AND NIPPLES

Black Iron Cut Pipe and Nipples – 1/2 Inch NPT

PART NO	LENGTH (IN)	THREAD SIZE NPT (IN)	SCHEDULE NO	CASE QTY	CASE REQ
362206	—	1/2	40	25	Yes
362207	1-1/2	1/2	40	25	Yes
362208	2	1/2	40	25	Yes
362209	2-1/2	1/2	40	25	Yes
362210	3	1/2	40	25	Yes
362211	3-1/2	1/2	40	25	Yes
PD362212	4	1/2	40	25	Yes
362213	4-1/2	1/2	40	25	Yes
362214	5	1/2	40	25	Yes
362215	5-1/2	1/2	40	25	Yes
362216	6	1/2	40	25	Yes
362218	7	1/2	40	25	Yes
362220	8	1/2	40	25	Yes
362222	9	1/2	40	25	Yes
362224	10	1/2	40	25	Yes
362226	11	1/2	40	25	Yes
362228	12	1/2	40	25	Yes
362231	15	1/2	40	5	Yes
362233	18	1/2	40	5	Yes
362234	24	1/2	40	5	Yes
362235	30	1/2	40	5	Yes
PD362236	36	1/2	40	5	Yes
362237	48	1/2	40	5	Yes
362238	60	1/2	40	5	Yes

Black Iron Cut Pipe and Nipples – 3/4 Inch NPT

PART NO	LENGTH (IN)	THREAD SIZE NPT (IN)	SCHEDULE NO	CASE QTY	CASE REQ
362241	—	3/4	40	25	Yes
362242	1-1/2	3/4	40	25	Yes
PD362243	2	3/4	40	25	Yes
362244	2-1/2	3/4	40	25	Yes
362245	3	3/4	40	25	Yes
362246	3-1/2	3/4	40	25	Yes
362247	4	3/4	40	25	Yes
362248	4-1/2	3/4	40	25	Yes
362249	5	3/4	40	25	Yes
PD362250	5-1/2	3/4	40	25	Yes
362251	6	3/4	40	25	Yes
362253	7	3/4	40	25	Yes
362255	8	3/4	40	25	Yes
362257	9	3/4	40	25	Yes
362259	10	3/4	40	25	Yes
362261	11	3/4	40	25	Yes
362263	12	3/4	40	25	Yes
362268	18	3/4	40	5	Yes
362272B	24	3/4	40	5	Yes
362272H	30	3/4	40	5	Yes
362272N	36	3/4	40	5	Yes

Black Iron Cut Pipe and Nipples – 1 Inch NPT

PART NO	LENGTH (IN)	THREAD SIZE NPT (IN)	SCHEDULE NO	CASE QTY	CASE REQ
362276	—	1	40	25	Yes
362277	2	1	40	25	Yes
362278	2-1/2	1	40	25	Yes
362279	3	1	40	25	Yes
362280	3-1/2	1	40	25	Yes
PD362281	4	1	40	25	Yes
362282	4-1/2	1	40	25	Yes
362283	5	1	40	25	Yes
362284	5-1/2	1	40	25	Yes
362285	6	1	40	25	Yes
362287	7	1	40	25	Yes
362289	8	1	40	25	Yes
362291	9	1	40	25	Yes
362293	10	1	40	5	Yes
362295	11	1	40	5	Yes
362297	12	1	40	25	Yes
362303	18	1	40	5	Yes
362309	24	1	40	5	Yes
362309F	30	1	40	5	Yes
362309L	36	1	40	5	Yes

BLACK IRON PIPE & FITTINGS

Black Iron Cut Pipe and Nipples – 1-1/4 Inch NPT

PART NO	LENGTH (IN)	THREAD SIZE NPT (IN)	SCHEDULE NO	CASE QTY	CASE REQ
362310	-	1-1/4	40	25	Yes
PD362311	2	1-1/4	40	25	Yes
362312	2-1/2	1-1/4	40	25	Yes
362313	3	1-1/4	40	25	Yes
362314	3-1/2	1-1/4	40	25	Yes
362315	4	1-1/4	40	25	Yes
362316	4-1/2	1-1/4	40	25	Yes
362317	5	1-1/4	40	25	Yes
362318	5-1/2	1-1/4	40	25	Yes
362319	6	1-1/4	40	25	Yes
362321	7	1-1/4	40	25	Yes
362323	8	1-1/4	40	25	Yes
362327	10	1-1/4	40	5	Yes
362329	11	1-1/4	40	5	Yes
362331	12	1-1/4	40	5	Yes
362337	18	1-1/4	40	5	Yes
362343	24	1-1/4	40	5	Yes
362343F	30	1-1/4	40	5	Yes
362343L	36	1-1/4	40	5	Yes

Black Iron Cut Pipe and Nipples – 1-1/2 Inch NPT

PART NO	LENGTH (IN)	THREAD SIZE NPT (IN)	SCHEDULE NO	CASE QTY	CASE REQ
362344	—	1-1/2	40	25	Yes
362345	2	1-1/2	40	25	Yes
362346	2-1/2	1-1/2	40	25	Yes
362347	3	1-1/2	40	25	Yes
362348	3-1/2	1-1/2	40	25	Yes
362349	4	1-1/2	40	25	Yes
362351	5	1-1/2	40	25	Yes
362352	5-1/2	1-1/2	40	25	Yes
362353	6	1-1/2	40	25	Yes
362357	8	1-1/2	40	25	Yes
362361	10	1-1/2	40	5	Yes
362365	12	1-1/2	40	5	Yes
362371	18	1-1/2	40	5	Yes
362377	24	1-1/2	40	5	Yes
362377F	30	1-1/2	40	5	Yes
362377L	36	1-1/2	40	5	Yes

BLACK IRON PIPE & FITTINGS

Black Iron Cut Pipe and Nipples – 2 Inch NPT

PART NO	LENGTH (IN)	THREAD SIZE NPT (IN)	SCHEDULE NO	CASE QTY	CASE REQ
362378	—	2	40	25	Yes
362379	2-1/2	2	40	25	Yes
PD362380	3	2	40	25	Yes
362381	3-1/2	2	40	25	Yes
362382	4	2	40	25	Yes
362384	5	2	40	25	Yes
362385	5-1/2	2	40	25	Yes
362386	6	2	40	25	Yes
362390	8	2	40	25	Yes
362394	10	2	40	5	Yes
362398	12	2	40	5	Yes
362404	18	2	40	5	Yes
PD362410	24	2	40	5	Yes
362410F	30	2	40	5	Yes
362410L	36	2	40	5	Yes

Nipple Assortment

PART NO	DESCRIPTION
362001AP	Black Pipe Nipple Assortment - 66 Assorted Lengths of 1/2 in. Nipples
362002AP	Black Pipe Nipple Assortment - 66 Assorted Lengths of 3/4 in. Nipples
362003AP	Black Pipe Nipple Assortment - 60 Assorted Lengths of 1 in. Nipples
362004AP	Black Pipe Nipple Assortment - 60 Assorted Lengths of 1-1/4 in. Nipples
362007AP	Black Pipe Nipple Assortment - 11 Assorted Lengths of 1/2 in. Nipples
362008AP	Black Pipe Nipple Assortment - 11 Assorted Lengths of 3/4 in. Nipples

Black Iron Elbows – 90 Degrees

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	ELBOW ANGLE (DEGREES)	FITTING CLASS	CASE QTY	CASE REQ
660101	1/4	1/4	90	150	120	Yes
660102	3/8	3/8	90	150	60	Yes
660103	1/2	1/2	90	150	100	Yes
660147	1/2	3/4	90	150	80	Yes
660104	3/4	3/4	90	150	105	Yes
660149	3/4	1	90	150	50	Yes
660105	1	1	90	150	90	Yes
660106	1-1/4	1-1/4	90	150	50	Yes
660107	1-1/2	1-1/2	90	150	15	Yes
660108	2	2	90	150	8	Yes

Black Iron Elbows – 45 Degrees

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	ELBOW ANGLE (DEGREES)	FITTING CLASS	CASE QTY	CASE REQ
660181	1/4	1/4	45	150	50	Yes
660182	3/8	3/8	45	150	75	Yes
660183	1/2	1/2	45	150	100	Yes
660184	3/4	3/4	45	150	60	Yes
660185	1	1	45	150	30	Yes
660186	1-1/4	1-1/4	45	150	20	Yes
660187	1-1/2	1-1/2	45	150	15	Yes
660188	2	2	45	150	12	Yes

BLACK IRON PIPE & FITTINGS

Black Iron Street Elbows – 90 Degrees

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	ELBOW ANGLE (DEGREES)	FITTING CLASS	CASE QTY	CASE REQ
660121	1/4	1/4	90	150	120	Yes
660122	3/8	3/8	90	150	60	Yes
660123	1/2	1/2	90	150	90	Yes
660124	3/4	3/4	90	150	35	Yes
660125	1	1	90	150	90	Yes
660126	1-1/4	1-1/4	90	150	50	Yes
660127	1-1/2	1-1/2	90	150	15	Yes
660128	2	2	90	150	8	Yes

Black Iron Street Elbows – 45 Degrees

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	ELBOW ANGLE (DEGREES)	FITTING CLASS	CASE QTY	CASE REQ
660201	1/4	1/4	45	150	10	Yes
660202	3/8	3/8	45	150	25	Yes
660203	1/2	1/2	45	150	25	Yes
660204	3/4	3/4	45	150	25	Yes
660205	1	1	45	150	40	Yes
660206	1-1/4	1-1/4	45	150	20	Yes
660207	1-1/2	1-1/2	45	150	5	Yes
660208	2	2	45	150	5	Yes

Black Iron Merchant Couplings

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
MCB1013	1/2	1/2	150	25	Yes
MCB1014	3/4	3/4	150	50	Yes

Black Iron Couplings

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
660322	3/8	3/8	150	120	Yes
660323	1/2	1/2	150	120	Yes
660324	3/4	3/4	150	75	Yes
660325	1	1	150	50	Yes
660326	1-1/4	1-1/4	150	16	Yes
660327	1-1/2	1-1/2	150	18	Yes
660328	2	2	150	12	Yes

Black Iron Reducing Couplings

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
660545	1/2	3/8	150	150	Yes
660549	3/4	1/2	150	90	Yes
660552	1	1/2	150	60	Yes
660553	1	3/4	150	50	Yes
660554	1-1/4	1/2	150	75	Yes
660556	1-1/4	1	150	30	Yes

Black Iron Reducing Bushings

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
660399	1/2	3/4	150	150	Yes
660402	1/2	1	150	100	Yes
660403	3/4	1	150	100	Yes

BLACK IRON PIPE & FITTINGS

Black Iron Tees

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	BRANCH FITTING SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
660221	1/4	1/4	1/4	150	75	Yes
660222	3/8	3/8	3/8	150	45	Yes
660223	1/2	1/2	1/2	150	60	Yes
660224	3/4	3/4	3/4	150	35	Yes
660225	1	1	1	150	20	Yes
660226	1-1/4	1-1/4	1-1/4	150	14	Yes
660227	1-1/2	1-1/2	1-1/2	150	24	Yes
660228	2	2	2	150	8	Yes

Black Iron Reducing Tees

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	BRANCH FITTING SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
6602431	1/2	1/2	3/4	150	120	Yes
660247	3/4	1/2	1/2	150	55	Yes
660248	3/4	1/2	3/4	150	50	Yes
660246	3/4	3/4	1/2	150	40	Yes
660251	1	1	1/2	150	30	Yes

Black Iron Unions

PART NO	FITTING 1 SIZE NPT (IN)	FITTING 2 SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
660511	1/4	1/4	150	60	Yes
660512	3/8	3/8	150	40	Yes
660513	1/2	1/2	150	50	Yes
660514	3/4	3/4	150	35	Yes
660515	1	1	150	20	Yes
660516	1-1/4	1-1/4	150	15	Yes
660517	1-1/2	1-1/2	150	10	Yes
660518	2	2	150	6	Yes

Black Iron Caps

PART NO	THREAD SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
660451	1/4	150	50	Yes
660452	3/8	150	80	Yes
660453	1/2	150	150	Yes
660454	3/4	150	80	Yes
660455	1	150	50	Yes
660456	1-1/4	150	40	Yes
660457	1-1/2	150	27	Yes
660458	2	150	18	Yes

Black Iron Plugs

PART NO	THREAD SIZE NPT (IN)	FITTING CLASS	CASE QTY	CASE REQ
660471	1/4	150	180	Yes
660472	3/8	150	300	Yes
660473	1/2	150	300	Yes
660474	3/4	150	180	Yes
660475	1	150	120	Yes
660476	1-1/4	150	60	Yes
660477	1-1/2	150	45	Yes
660478	2	150	30	Yes

THERMOSTAT CABLE

Thermostat Cable – Speedbags

Honeywell

PART NO	NO OF CONDUCTORS	CONDUCTOR SIZE (AWG)	CONDUCTOR TYPE	JACKET COLOR	PLENUM RATED	PACKAGING	ROLL LENGTH (FT)	CASE QTY	CASE REQ
47105807	2	18	Solid copper	Brown	—	Speedbag	500	1	—
47115807	3	18	Solid copper	Brown	—	Speedbag	500	1	—
47120907	4	18	Solid copper	Brown	—	Speedbag	250	1	—
47130907	5	18	Solid copper	Brown	—	Speedbag	250	1	—
47140907	6	18	Solid copper	Brown	—	Speedbag	250	1	—
47160907	8	18	Solid copper	Brown	—	Speedbag	250	1	—
47070907	8	20	Solid copper	Brown	—	Speedbag	250	1	—
47180907	10	18	Solid copper	Brown	—	Speedbag	250	1	—

Thermostat Cable – Spools

Honeywell

PART NO	NO OF CONDUCTORS	CONDUCTOR SIZE (AWG)	CONDUCTOR TYPE	JACKET COLOR	PLENUM RATED	PACKAGING	ROLL LENGTH (FT)	CASE QTY	CASE REQ
47104807	2	18	Solid copper	Brown	-	Spool	500	4	Yes
47114807	3	18	Solid copper	Brown	-	Spool	500	4	Yes
47120307	4	18	Solid copper	Brown	-	Spool	250	4	Yes
47130307	5	18	Solid copper	Brown	-	Spool	250	4	Yes
47140307	6	18	Solid copper	Brown	-	Spool	250	4	Yes
47160307	8	18	Solid copper	Brown	-	Spool	250	4	Yes
47070307	8	20	Solid copper	Brown	-	Spool	250	4	Yes
47180307	10	18	Solid copper	Brown	-	Spool	250	4	Yes

Thermostat Wire (Plenum Rated) – Spools

Honeywell

PART NO	NO OF CONDUCTORS	CONDUCTOR SIZE (AWG)	CONDUCTOR TYPE	JACKET COLOR	PLENUM RATED	PACKAGING	ROLL LENGTH (FT)	CASE QTY	CASE REQ
32140312	2	18	Solid copper	Natural	Yes	Spool	250	4	—
32145012	2	18	Solid copper	Natural	Yes	Spool	500	—	—
47614812	3	18	Solid copper	Natural	Yes	Spool	500	4	Yes
47630312	5	18	Solid copper	Natural	Yes	Spool	250	4	Yes
32760312	5	18	Solid copper	Natural	Yes	Spool	250	4	—
32765012	5	18	Solid copper	Natural	Yes	Spool	500	—	—
47640312	6	18	Solid copper	Natural	Yes	Spool	250	4	Yes
47660312	8	18	Solid copper	Natural	Yes	Spool	250	4	Yes

REFRIGERANT RECOVERY CYLINDERS

All refrigerant recovery cylinders meet AHRI guidelines and government specifications for CFC, HCFC and HFC recovered refrigerants. Also meets DOT standard 4BA400. As noted, some cylinders include a float switch that cuts off flow to the tank when it is approximately 80% full.

Refrigerant Recovery Cylinders – Mastercool

Mastercool Inc. "World Class Quality"

PART NO	REFRIG CAPACITY (LBS)	CONNECTIONS	SERVICE PRESSURE (PSI)	FLOAT SWITCH	TANK COLOR
62010	30	1/4 in. SAE Flare (M)	400	No	Yellow/Gray
62011	30	1/4 in. SAE Flare (M)	400	Yes	Yellow/Gray
67010	30	1/2 in. ACME (M)	400	Yes	Blue
63010	50	1/4 in. SAE Flare (M)	400	No	Yellow/Gray
65010	50	1/4 in. SAE Flare (M)	400	Yes	Yellow/Gray

TANK HEATER

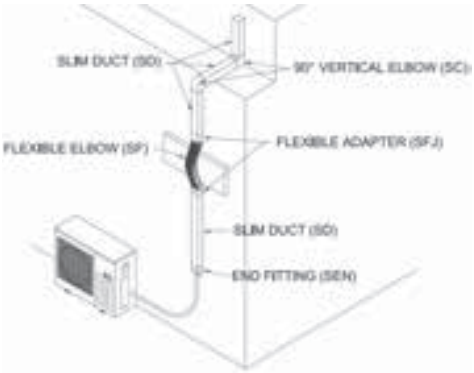
98250 Electronic Tank Heater

- Speeds up recharging time
- Assures total discharge of refrigerant from 30 lb. and 50 lb. tanks
- Heats tank to 125°F
- Quick-working 300W, 120V heater element

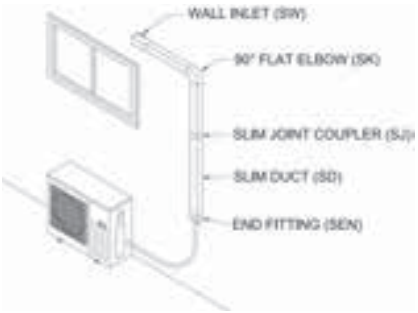
PART NO	DESCRIPTION
NV-98250	Electronic Tank Heater

SLIMDUCT LINESET DUCTING SYSTEM

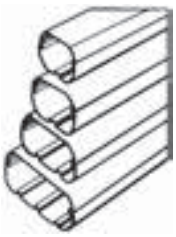
The SlimDuct series is a precision engineered system of prefabricated PVC ducts which are designed to conceal and protect external surface mounted refrigeration line sets. They can also be used to conceal drain hoses and electrical wiring. SlimDuct is weather resistant and available in three colors: ivory, white, or brown. Installation is simple with easy access for the technician.



Offset Wall Application



Flat Wall Application



SlimDuct SD Series Lineset Ducting

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SD-77-B	SD	Ducting	Brown	3 x 2-1/2	78	5	Yes
SD-100-B	SD	Ducting	Brown	4 x 2-3/4	78	5	Yes
SD-140-B	SD	Ducting	Brown	5-1/2 x 3	78	5	Yes
SD-77-I	SD	Ducting	Ivory	3 x 2-1/2	78	5	Yes
SD-100-I	SD	Ducting	Ivory	4 x 2-3/4	78	5	Yes
SD-140-I	SD	Ducting	Ivory	5-1/2 x 3	78	5	Yes
SD-77-W	SD	Ducting	White	3 x 2-1/2	78	5	Yes
SD-100-W	SD	Ducting	White	4 x 2-3/4	78	5	Yes
SD-140-W	SD	Ducting	White	5-1/2 x 3	78	5	Yes

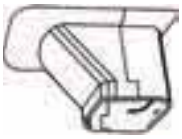
SlimDuct SJ Series Couplers

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SJ-77-B	SJ	Coupler (Slim Joint)	Brown	3 x 2-1/2	2	10	Yes
SJ-100-B	SJ	Coupler (Slim Joint)	Brown	4 x 2-3/4	2-1/2	10	Yes
SJ-140-B	SJ	Coupler (Slim Joint)	Brown	5-1/2 x 3	3-1/2	10	Yes
SJ-77-I	SJ	Coupler (Slim Joint)	Ivory	3 x 2-1/2	2	10	Yes
SJ-100-I	SJ	Coupler (Slim Joint)	Ivory	4 x 2-3/4	2-1/2	10	Yes
SJ-140-I	SJ	Coupler (Slim Joint)	Ivory	5-1/2 x 3	3-1/2	10	Yes
SJ-77-W	SJ	Coupler (Slim Joint)	White	3 x 2-1/2	2	10	Yes
SJ-100-W	SJ	Coupler (Slim Joint)	White	4 x 2-3/4	2-1/2	10	Yes
SJ-140-W	SJ	Coupler (Slim Joint)	White	5-1/2 x 3	3-1/2	10	Yes

SLIMDUCT LINESET DUCTING SYSTEM

SlimDuct SW Series Wall Inlets

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SW-77-B	SW	Wall Inlet (Wall Corner)	Brown	3 x 2-1/2	8	10	Yes
SW-100-B	SW	Wall Inlet (Wall Corner)	Brown	4 x 2-3/4	8-3/4	10	Yes
SW-140-B	SW	Wall Inlet (Wall Corner)	Brown	5-1/2 x 3	11	5	Yes
SW-77-I	SW	Wall Inlet (Wall Corner)	Ivory	3 x 2-1/2	8	10	Yes
SW-100-I	SW	Wall Inlet (Wall Corner)	Ivory	4 x 2-3/4	8-3/4	10	Yes
SW-140-I	SW	Wall Inlet (Wall Corner)	Ivory	5-1/2 x 3	11	5	Yes
SW-77-W	SW	Wall Inlet (Wall Corner)	White	3 x 2-1/2	8	10	Yes
SW-100-W	SW	Wall Inlet (Wall Corner)	White	4 x 2-3/4	8-3/4	10	Yes
SW-140-W	SW	Wall Inlet (Wall Corner)	White	5-1/2 x 3	11	5	Yes



SlimDuct SP Series Soffit Inlets

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SP-77-B	SP	Soffit Inlet (Ceiling Cap)	Brown	3 x 2-1/2	2-3/4	20	Yes
SP-100-B	SP	Soffit Inlet (Ceiling Cap)	Brown	4 x 2-3/4	2-3/4	10	Yes
SP-140-B	SP	Soffit Inlet (Ceiling Cap)	Brown	5-1/2 x 3	2-3/4	5	Yes
SP-77-I	SP	Soffit Inlet (Ceiling Cap)	Ivory	3 x 2-1/2	2-3/4	20	Yes
SP-100-I	SP	Soffit Inlet (Ceiling Cap)	Ivory	4 x 2-3/4	2-3/4	10	Yes
SP-140-I	SP	Soffit Inlet (Ceiling Cap)	Ivory	5-1/2 x 3	2-3/4	5	Yes
SP-77-W	SP	Soffit Inlet (Ceiling Cap)	White	3 x 2-1/2	2-3/4	20	Yes
SP-100-W	SP	Soffit Inlet (Ceiling Cap)	White	4 x 2-3/4	2-3/4	10	Yes
SP-140-W	SP	Soffit Inlet (Ceiling Cap)	White	5-1/2 x 3	2-3/4	5	Yes

SlimDuct SEN Series End Fittings

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SEN-77-B	SEN	End Fitting (End Cover)	Brown	3 x 2-1/2	5-1/2	20	Yes
SEN-100-B	SEN	End Fitting (End Cover)	Brown	4 x 2-3/4	6-1/2	20	Yes
SEN-140-B	SEN	End Fitting (End Cover)	Brown	5-1/2 x 3	9	10	Yes
SEN-77-I	SEN	End Fitting (End Cover)	Ivory	3 x 2-1/2	5-1/2	20	Yes
SEN-100-I	SEN	End Fitting (End Cover)	Ivory	4 x 2-3/4	6-1/2	20	Yes
SEN-140-I	SEN	End Fitting (End Cover)	Ivory	5-1/2 x 3	9	10	Yes
SEN-77-W	SEN	End Fitting (End Cover)	White	3 x 2-1/2	5-1/2	20	Yes
SEN-100-W	SEN	End Fitting (End Cover)	White	4 x 2-3/4	6-1/2	20	Yes
SEN-140-W	SEN	End Fitting (End Cover)	White	5-1/2 x 3	9	10	Yes

SlimDuct SK Series 90 Degree Flat Elbows

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SK-77-B	SK	Flat Elbow - 90 degree	Brown	3 x 2-1/2	5	10	Yes
SK-100-B	SK	Flat Elbow - 90 degree	Brown	4 x 2-3/4	6	10	Yes
SK-77-I	SK	Flat Elbow - 90 degree	Ivory	3 x 2-1/2	5	10	Yes
SK-100-I	SK	Flat Elbow - 90 degree	Ivory	4 x 2-3/4	6	10	Yes
SK-140-W	SK	Flat Elbow - 90 degree	Ivory	5-1/2 x 3	7-1/2	5	Yes
SK-140-B	SK	Flat Elbow - 90 degree	Ivory	5-1/2 x 3	7-1/2	5	Yes
SK-140-I	SK	Flat Elbow - 90 degree	Ivory	5-1/2 x 3	7-1/2	5	Yes
SK-77-W	SK	Flat Elbow - 90 degree	White	3 x 2-1/2	5	10	Yes
SK-100-W	SK	Flat Elbow - 90 degree	White	4 x 2-3/4	6	10	Yes

SlimDuct SKF Series 45 Degree Flat Elbows

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SKF-77-B	SKF	Flat Elbow - 45 degree	Brown	3 x 2-1/2	2-1/2	20	Yes
SKF-100-B	SKF	Flat Elbow - 45 degree	Brown	4 x 2-3/4	3	10	Yes
SKF-140-B	SKF	Flat Elbow - 45 degree	Brown	5-1/2 x 3	3-5/8	5	Yes

SlimDuct SKF Series 45 Degree Flat Elbows (continued)

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SKF-77-I	SKF	Flat Elbow - 45 degree	Ivory	3 x 2-1/2	2-1/2	20	Yes
SKF-100-I	SKF	Flat Elbow - 45 degree	Ivory	4 x 2-3/4	3	10	Yes
SKF-140-I	SKF	Flat Elbow - 45 degree	Ivory	5-1/2 x 3	3-5/8	5	Yes
SKF-77-W	SKF	Flat Elbow - 45 degree	White	3 x 2-1/2	2-1/2	20	Yes
SKF-100-W	SKF	Flat Elbow - 45 degree	White	4 x 2-3/4	3	10	Yes
SKF-140- W	SKF	Flat Elbow - 45 degree	White	5-1/2 x 3	3-5/8	5	Yes

SlimDuct SC Series 90 Degree Vertical Elbows

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SC-77-B	SC	Vertical Elbow - 90 degree	Brown	3 x 2-1/2	4	10	Yes
SC-100-B	SC	Vertical Elbow - 90 degree	Brown	4 x 2-3/4	4-1/2	10	Yes
SC-140-B	SC	Vertical Elbow - 90 degree	Brown	5-1/2 x 3	5	5	Yes
SC-77-I	SC	Vertical Elbow - 90 degree	Ivory	3 x 2-1/2	4	10	Yes
SC-100-I	SC	Vertical Elbow - 90 degree	Ivory	4 x 2-3/4	4-1/2	10	Yes
SC-140-I	SC	Vertical Elbow - 90 degree	Ivory	5-1/2 x 3	5	5	Yes
SC-77-W	SC	Vertical Elbow - 90 degree	White	3 x 2-1/2	4	10	Yes
SC-100-W	SC	Vertical Elbow - 90 degree	White	4 x 2-3/4	4-1/2	10	Yes
SC-140-W	SC	Vertical Elbow - 90 degree	White	5-1/2 x 3	5	5	Yes

SlimDuct SCF Series 45 Degree Vertical Elbows

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SCF-77-B	SCF	Vertical Elbow - 45 degree	Brown	3 x 2-1/2	2-13/32	20	Yes
SCF-100-B	SCF	Vertical Elbow - 45 degree	Brown	4 x 2-3/4	3-1/2	10	Yes
SCF-140-B	SCF	Vertical Elbow - 45 degree	Brown	5-1/2 x 3	2-5/8	5	Yes
SCF-77-I	SCF	Vertical Elbow - 45 degree	Ivory	3 x 2-1/2	2-13/32	20	Yes
SCF-100-I	SCF	Vertical Elbow - 45 degree	Ivory	4 x 2-3/4	3-1/2	10	Yes
SCF-140-I	SCF	Vertical Elbow - 45 degree	Ivory	5-1/2 x 3	2-5/8	5	Yes
SCF-77-W	SCF	Vertical Elbow - 45 degree	White	3 x 2-1/2	2-13/32	20	Yes
SCF-100-W	SCF	Vertical Elbow - 45 degree	White	4 x 2-3/4	3-1/2	10	Yes
SCF-140-W	SCF	Vertical Elbow - 45 degree	White	5-1/2 x 3	2-5/8	5	Yes

SlimDuct SF Series Flexible Elbows

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SF-77-500-B	SF	Flexible Elbow	Brown	3 x 2-1/2	19-1/2	20	Yes
SF-77-500-I	SF	Flexible Elbow	Ivory	3 x 2-1/2	19-1/2	20	Yes
SF-77-1000-I	SF	Flexible Elbow	Ivory	4 x 2-3/4	40-1/2	20	Yes
SF-100-800-I	SF	Flexible Elbow	Ivory	4 x 2-3/4	31-1/2	10	Yes
SF-140-800-I	SF	Flexible Elbow	Ivory	5-1/2 x 3	31-1/2	5	Yes
SF-77-500-W	SF	Flexible Elbow	White	3 x 2-1/2	19-1/2	20	Yes
SF-100-800-W	SF	Flexible Elbow	White	4 x 2-3/4	31-1/2	10	Yes

SlimDuct SFJ Series Flexible Adapters

PART NO	SERIES	FITTING TYPE	COLOR	NOM CROSS SECTION (IN)	NOM LENGTH (IN)	CASE QTY	CASE REQ
SFJ-77-B	SFJ	Flexible Adapter	Brown	3 x 2-1/2	1-3/8	20	Yes
SFJ-100-B	SFJ	Flexible Adapter	Brown	4 x 2-3/4	1-1/2	20	Yes
SFJ-77-I	SFJ	Flexible Adapter	Ivory	3 x 2-1/2	1-3/8	20	Yes
SFJ-100-I	SFJ	Flexible Adapter	Ivory	4 x 2-3/4	1-1/2	20	Yes
SFJ-77-W	SFJ	Flexible Adapter	White	3 x 2-1/2	1-3/8	20	Yes
SFJ-100-W	SFJ	Flexible Adapter	White	4 x 2-3/4	1-1/2	20	Yes

DUCT TAPES – VENTURE TAPE

864031 (1581A) UL181A-P/UL181B-FX Printed Aluminum Foil Duct Tape

Specially designed for taping joints and seams against moisture and vapor on foil jacketed insulation
- Dead soft aluminum foil backing is extremely conformable to irregular surfaces.
- Excellent adhesion and quick stick
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
864031	4.0	2-1/2	60	Aluminum	Foil	Acrylic Base	Yes	UL listed UL181A-P UL181B-FX	10.5	20	10 to 350	20	Yes

864034 (1599B) UL181B-FX Printed Flexible Duct Closure Tape

UV resistant biaxially oriented polypropylene (BOPP) tape coated with a Venture's CW® cold weather solvent acrylic adhesive. Hand tearable, thinner and tougher than traditional duct tapes, Venture 1599B lasts longer and will not delaminate with age. Provides easy application, superior performance, and durability over a wide range of temperatures and environments — including high heat desert conditions.
- High performance flexible duct closure tape performs well over a wide temperature range
- Venture CW all weather acrylic adhesive applies easily at temperatures as cold as -35°F
- Ideal for use on metal and metal connections
- Higher adhesion and tack than traditional cloth duct tapes
- Excels in high heat and humidity conditions

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
864034	3.0	2	120	Silver	BOPP biaxially oriented polypropylene	Acrylic Base	Yes	UL listed UL181B-FX	25	50	-35 to 260	24	Yes

864030 (3520CW) HVAC Aluminum Foil Tape

Annealed aluminum foil coated with Venture's CW® cold weather solvent acrylic pressure sensitive adhesive. The malleable foil applies easily to both fibrous and sheet metal ducts and conforms to irregular surfaces. Excels in demanding temperature and humidity applications and provides superior performance and durability over a wide range of environmental conditions.
- Specifically designed for cold weather conditions; also excels in high heat and humidity conditions
- Specifically designed for sealing sheet metal ducts and metal duct connections
- Hand tearable allows for easy installation

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
864030	3.7	3	50	Aluminum	Foil	Acrylic Base	No	UL classified UL723	5	10	-35 to 260	16	Yes

864033 (1525CW) FSK Facing Tape

Aluminum foil/scrim/kraft (FSK) lamination coated with Venture's CW® cold weather solvent acrylic pressure sensitive adhesive. Versatile FSK applies easily to both fibrous and sheet metal ducts and easily conforms to irregular surfaces. Excels in demanding temperature and humidity applications and provides superior performance and durability over a wide range of environmental conditions.
- Specifically designed for cold weather conditions; also excels in high heat and humidity conditions
- Tri-directionally reinforced 2 x 3 squares per inch fiberglass scrim
- High performance insulation tape is ideal for use as a vapor seal for reinforced fiberglass or mineral wool thermal insulation
- Hand tearable allows for easy installation

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
864033	6.5	3	50	Aluminum	Reinforced Fiberglass Scrim	Acrylic Base	No	UL classified UL723	5	10	-35 to 260	16	Yes

TAPES

DUCT TAPES – VENTURE TAPE

864032 (1556) Pro Grade Waterproof Cloth Duct Tape

A high strength, premium quality polyethylene coated cotton cloth tape coated with an aggressive, high tack, natural rubber pressure sensitive adhesive system. Adheres well to sheet metal duct and conforms well to corners and irregular surfaces.

- Vapor sealing sheet metal ductwork and general purpose heavy duty service
- Also used for hanging poly sheeting

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
864032	12.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	No	—	—	—	40 to 175	24	Yes

DUCT TAPES – NASHUA

86-N324-P (324) UL181A-P/UL181B-FX Printed Aluminum Foil Ductboard Tape

Recommended for use on UL listed fiberglass duct board and flexible duct systems in accordance with manufacturer's installation instructions.

- High performance aggressive acrylic adhesive
- Adhesive protected by a bleached kraft paper liner which also provides easy unwind
- Excellent adhesion to duct board
- Provides long-term anchorage and strong cohesive bond for long-term durability
- Superior adhesion even at extremely low or high temperatures
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-N324-P	4.8	2-1/2	60	Aluminum	Foil w/Liner	Acrylic Base	Yes	UL listed UL181A-P, UL181B-FX	0	3	-20 to 325	16	Yes

86-N557-P (557) UL181B-FX Printed Flexible Duct Closure Tape

Acts as a superior closure system for use with flexible air duct and air connectors, and is recommended for use on UL listed flexible air ducts in accordance with manufacturer's installation instructions. Tape is ideal for heating, air conditioning, ventilating, and refrigeration applications.

- Excellent adhesion and shear (holding power) performance
- Superior quality, performance, and tensile strength
- Excellent resistance to mold growth, humidity, flame spread, smoke generation, and the effects of high temperature
- Printed for easy identification
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-N557-P	14.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	Yes	UL listed UL181B-FX	15	15	200	24	Yes

DUCT TAPES – NASHUA

86-N322 & 86-N322-3 (322 & 322-3) HVAC Aluminum Foil Tapes

Specially designed for taping joints and seams against moisture and vapor on foil jacketed insulation.
- Dead soft aluminum foil backing is extremely conformable to irregular surfaces
- Excellent adhesion and quick stick
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-N322	5.0	2	50	Aluminum	Foil w/Liner	Rubber Base	No	UL classified UL723	25	10	200	24	Yes
86-N322-3	5.0	3	50	Aluminum	Foil w/Liner	Rubber Base	No	UL classified UL723	25	10	200	16	Yes

86-NFSK (FSK) FSK Facing Taping

For sealing and patching FSK duct boards and insulation. Extra-strength seal to maintain vapor barrier integrity.
- Aluminum foil FSK backing with a specially formulated adhesive interleaved with a release liner
- Specially designed to meet high strength, tear resistant sealing tape requirements
- Provides excellent adhesion to substrate over a wide temperature range
- Diamond pattern matches most FSK boards and blankets
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-NFSK	8.0	3	50	Aluminum	Foil Tri-Directional Fiberglass Kraft Paper	Rubber Base	No	—	5	10	200	16	Yes

86-N345 (345) Premium Cloth Duct Tape

For heating, air conditioning, ventilating, and refrigeration applications.
- High quality polyethylene coated cloth
- Adheres aggressively to many different types of surfaces
- Excellent performance over a wide temperature range
- Tears straight, hangs straight, and resists curling
- Contributes toward satisfying EQ Credit 4.1 (Low Emitting Materials Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-N345	12.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	No	—	20	25	200	24	Yes

86-N396 (396) Multi-Purpose Cloth Duct Tape

For home and general repair, bundling, patching, and mending.
- Versatile polyethylene coated cloth tape
- Conforms well to irregular surfaces
- Adheres to a wide variety of substrates
- Tears straight, hangs straight, and curl resistant
- Contributes toward satisfying EQ Credit 4.1 (Low Emitting Materials Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-N396	10.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	No	—	—	—	200	24	Yes

DUCT TAPES – NASHUA

86-N398, 86-N398-B & 86-N398-P (398 Silver, 398 Black, and 398 Silver Printed) Premium Cloth Duct Tape

For home and general repair, HVAC duct and equipment applications, asbestos removal and PE hanging.

- High quality polyethylene coated cloth
- Conforms well to irregular surfaces
- Adheres to a wide variety of substrates
- Tears straight, hangs straight, and curl resistant
- Easy unwind
- Contributes toward satisfying EQ Credit 4.1 (Low Emitting Materials Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-N398	11.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	No	—	10	10	200	24	Yes
86-N398-P	11.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	Yes	—	10	10	200	24	Yes
86-N398-B	11.0	2	60	Black	Polyethylene Coated Cloth	Rubber Base	No	—	10	10	200	24	Yes

86-N357 & 86-N357-B (357 Silver & 357 Black) Premium Cloth Duct Tape

For heating, air conditioning, ventilating, and refrigeration applications. Superior tensile strength.

- Clean release; resists delaminating
- Conforms to a wide variety of surfaces
- Outstanding performance over a wide temperature range
- Tears straight, hangs straight, and resists curling
- Preferred tape of professional contractors who demand a consistent, trouble-free product
- Contributes toward satisfying EQ Credit 4.1 (Low Emitting Materials Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-N357	13.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	No	—	20	15	200	24	Yes
86-N357-B	13.0	2	60	Black	Polyethylene Coated Cloth	Rubber Base	No	—	20	15	200	24	Yes

DUCT TAPES – POLYKEN

86-P339-P (339) UL181A/UL181B-FX Printed Foil Duct Tape

Recommended for use on UL listed fiberglass duct board and flexible duct systems in accordance with manufacturer's installation instructions. Also ideal for permanent, flexible seals.

- High performance aggressive acrylic adhesive
- Adhesive protected by a bleached kraft paper liner which also provides easy unwind
- Excellent adhesion to duct board
- Provides long-term anchorage and strong cohesive bond for long-term durability
- Superior adhesion even at extremely low or high temperatures Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P339-P	4.8	2-1/2	60	Aluminum	Foil w/Liner	Acrylic Base	Yes	UL listed UL181A-P, UL181B-FX	0	3	-20 to 325	16	Yes

DUCT TAPES – POLYKEN

86-P557-P (557) UL181B-FX Printed Flexible Duct Closure Tape

Acts as a superior closure system for use with flexible air duct and air connectors. Also recommended for use on UL listed flexible air ducts in accordance with manufacturer's installation instructions.

- Excellent adhesion and shear (holding power) performance
- Superior quality, performance, and tensile strength
- Excellent resistance to mold growth, humidity, flame spread, smoke generation, and the effects of high temperature
- Printed for easy identification
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P557-P	14.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	Yes	UL listed UL181B-FX	15	15	200	24	Yes

86-P337 & 86-P337-3 (337 2 Inch & 337 3 Inch) Aluminum Foil Tape

For taping joints and seams against moisture and vapor on foil jacketed insulation.

- High adhesion and quick stick
- Extremely conformable foil backing
- Matches aluminum foil-faced duct systems and insulation
- For use over a wide temperature range
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P337	3.7	2	50	Aluminum	Foil w/Liner	Rubber Base	No	UL classified UL723	5	10	200	24	Yes
86-P337-3	3.7	3	50	Aluminum	Foil w/Liner	Rubber Base	No	UL classified UL723	5	10	200	16	Yes

86-P338 (338) FSK Facing Tape

For sealing and patching FSK duct boards and insulation.

- Aluminum foil FSK backing with a specially formulated adhesive interleafed with a release liner
- Specially designed to meet high strength, tear resistant sealing tape requirements
- Provides excellent adhesion to substrate over a wide temperature range
- Diamond pattern matches most FSK inter-boards and blankets
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P338	8.0	3	50	Aluminum	Foil Tri-Directional Fiberglass Kraft Paper	Rubber Base	No	—	5	10	200	16	Yes

DUCT TAPES – POLYKEN

86-P251 (251) Metalized Film Duct Tape

For sealing heating and air conditioning duct connections.
- Excellent tensile strength, adhesion, and tack properties
- Designed to match flexible ducts, insulation and other aluminum colored surfaces
- Extremely conformable
- Will not twist or curl during application
- Contributes toward satisfying EQ Credit 4.1 (Low Emitting Materials Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P251	11.0	2	60	Metallic	Metalized Polyethylene Coated Cloth	Rubber Base	No	—	5	10	200	24	Yes

86-243 & 86-243-B (243 Silver & 243 Black) Multi-Purpose Cloth Duct Tape

For sealing standard duct work and superior performance on flex duct.
- Soft and conformable backing
- Provides high tack and quick grab
- Excellent tear characteristics
- High performance in cold temperatures
- Contributes toward satisfying EQ Credit 4.1 (Low Emitting Materials Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P243	10.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	No	—	5	10	200	24	Yes
86-P243-B	11.0	2	60	Black	Polyethylene Coated Cloth	Rubber Base	No	—	5	10	200	24	Yes

86-P223 (223) Multi-Purpose Cloth Duct Tape

For sealing metal duct work and fiberglass insulation.
- Good tensile strength
- Superior adhesion and tack
- Conformable and will not twist or curl during application
- Contributes toward satisfying EQ Credit 4.1 (Low Emitting Materials Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P223	10.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	No	—	5	10	200	24	Yes

86-P227 (227) Contractor Grade Cloth Duct Tape

For sealing metal duct work and fiberglass insulation, home and general repair.
- Bonds to all types of surfaces
- Easily applied
- Will not twist or curl
- Contributes toward satisfying EQ Credit 4.1 (Low Emitting Materials Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P227	11.0	2	60	Silver	Polyethylene Coated Cloth	Rubber Base	No	—	15	5	200	24	Yes

TAPES

DUCT TAPES – POLYKEN

86-P360-17 & 86-P360-35 (360-17 & 360-35) Waterproofing/Repair Duct Tape

For indoor/outdoor sealing of low, medium, and high pressure HVAC systems (includes: sheet metal duct, fiberglass duct board, and flexible duct systems)

- Forms a permanent seal
- Heavy-duty all-weather foil
- Excellent adhesion to all surfaces
- Extremely conformable
- Paintable foil backing (use in place of caulk)
- Provides instant water-tight seal
- Non-staining adhesive
- Excellent resistance to cold, heat, water, and sunlight
- PE release liner provides ease of installation
- Complies with VOC requirements of SCAQMD Rule 1168
- Contributes toward satisfying EA Credit 1 (Optimize Energy Performance) and EQ Credit 4.1 (Low Emitting Materials, Adhesives & Sealants) under LEED

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-P360-17	17.0	2	100	Aluminum	Foil	Rubber Base	No	—	0	5	200	24	Yes
86-P360-35	35.0	3	50	Aluminum	Foil	Rubber Base	No	—	—	—	300	16	Yes

DUCT TAPES – SHURTAPE

86-155206 (AF 100) UL181A-P/UL181B-FX Printed Aluminum Foil Duct Tape

Aluminum foil with an acrylic adhesive used for joining and sealing fiberglass ductboard and Class 1 Flex Duct. Provides an air-tight seal.

- Dead soft aluminum foil
- Flexible with excellent adhesion
- Superior stability during extreme fluctuations in temperature
- Resists water vapor and other HVAC duct contaminations

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-155206	4.2	2-1/2	60	Aluminum	Foil w/Liner	Acrylic Base	Yes	UL listed UL181A-P, UL181B-FX	50	25	-20 to 260	16	Yes

86-232035 (AF975CT) Aluminum Foil Duct Tape

Aluminum foil tape designed to seal and join aluminum backed or fibrous insulation and metal ductwork, to create water and vapor barriers, and for use in metal repair. Contractor grade foil tape with a formulated cold temperature adhesive which provides superior stability during extreme fluctuations in temperatures and weather conditions.

- Dead soft aluminum foil
- Excellent adhesion characteristics in vast temperature and weather conditions

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	PRINTED	AGENCY CERT	SMOKE DEV UL723 TEST METHOD	FLAME SPR UL723 TEST METHOD	SVC TEMP RANGE (°F)	CASE QTY	CASE REQ
86-232035	3.9	3	50	Aluminum	Foil w/Liner	Acrylic Base	No	—	0	0	-20 to 260	16	Yes

ELECTRICAL TAPES

Electrical Tape (PVC)

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	AGENCY CERT	ELONGATION (%)	INSULATION RATING (V)	CASE QTY	CASE REQ
200782	7.0	3/4	66	Black	PVC	Rubber Base	UL listed - UL510	200	600	100	Yes
777ID	7.0	3/4	60	Black	PVC	Rubber Base	UL listed - UL510	200	600	10	Yes

TAPES

1507 Lineset Tape

UV resistant biaxially oriented polypropylene (BOPP) tape coated with a Venture's CW® cold weather solvent acrylic adhesive. Replaces black cloth duct tape, lasts longer and will not delaminate with age.

- High performance line set tape performs well over a wide temperature range
- Applies easily at temperatures as cold as -35°F
- Higher adhesion and tack than tradition cloth duct tapes
- Excels in high heat and humidity conditions

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	SERVICE TEMP RANGE (°F)	CASE QTY	CASE REQ
1507	3	2	60	Black	Polypropylene Film	Acrylic Base	-35 to 260	24	Yes

864035 (200) Carton Sealing Tape

Specifically designed for carton sealing and corrugated packaging applications. Strong, thin polypropylene film tape coated with a high grade natural rubber pressure sensitive adhesive; excellent resistance to hot and cold environments and moisture.

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	SERVICE TEMP RANGE (°F)	CASE QTY	CASE REQ
864035	2.3	2	55	Clear	Polypropylene Film	Rubber Base	-10 to 212	36	Yes

86-826-Y (826 Yellow) Corrosion Control Tape

Designed for interior and exterior corrosion protection of smaller diameter pipe.

- Excellent conformability to irregular surfaces
- High dielectric strength
- Moisture resistant
- Tough, pressure sensitive adhesive system unaffected by cold

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (YDS)	COLOR	BACKING	ADHESIVE	SERVICE TEMP RANGE (°F)	CASE QTY	CASE REQ
86-826-Y	12.0	2	100	Yellow	Polyethylene Film	Rubber Base	-30 to 140	24	Yes

CHIP BRUSHES

- 100% natural bristles; wood handle
- Poly sleeve over bristles
- Inexpensive; use once and throw away
- Excellent for applying duct adhesive

PART NO	DESCRIPTION	CASE QTY	CASE REQ
864020	Chip Brush - 1/2 in. Wide	36	Yes
864021	Chip Brush - 1 in. Wide	36	Yes
864022	Chip Brush - 1-1/2 in. Wide	36	Yes
864023	Chip Brush - 2 in. Wide	24	Yes
864024	Chip Brush - 2-1/2 in. Wide	12	Yes
864025	Chip Brush - 3 in. Wide	12	Yes

DUCT STRAP & HANGING WIRE

Duct Strap – Metal

PART NO	WIDTH (IN)	THICKNESS (GAUGE)	MATERIAL	PACKAGE TYPE	ROLL LENGTH (IN)
640012	1	30	Galvanized Steel	Roll w/Cardboard dispenser	100
640011	1	26	Galvanized Steel	Roll w/Cardboard dispenser	100
640015	1	22	Galvanized Steel	Roll w/Cardboard dispenser	100
640013	1-1/2	30	Galvanized Steel	Roll w/Cardboard dispenser	100
640014	1-1/2	26	Galvanized Steel	Roll w/Cardboard dispenser	100

Duct Strap – Poly

PART NO	WIDTH (IN)	THICKNESS (GAUGE)	MATERIAL	PACKAGE TYPE	ROLL LENGTH (IN)	CASE QTY	CASE REQ
PD640360	1-3/4	Black	Polyethylene mesh	Roll	100	24	Yes
86-P50	1-3/4	Black	Polyethylene mesh	Roll	100	24	Yes
640010	1-3/4	Black	Polypropylene mesh	Roll	100	24	Yes
640021	3	Silver	Polypropylene mesh	Roll	100	8	Yes
640022	3	Black	Polypropylene mesh	Roll	100	10	Yes

Hanger Strap – Iron

PART NO	WIDTH (IN)	THICKNESS (GAUGE)	MATERIAL	PACKAGE TYPE	ROLL LENGTH (IN)	CASE QTY	CASE REQ
86-25172-04	3/4	28	Galvanized Steel	Roll	10	50	Yes
640016	3/4	28	Galvanized Steel	Roll	100	10	Yes

Hanger Strap – Poly

PART NO	WIDTH (IN)	THICKNESS (GAUGE)	MATERIAL	PACKAGE TYPE	ROLL LENGTH (IN)	CASE QTY	CASE REQ
86-25172-03	3/4	3/64	Polymeric	Roll	100	20	Yes

Hanging Wire

PART NO	THICKNESS (GAUGE)	MATERIAL	PACKAGE TYPE	ROLL LENGTH (IN)	ROLL WEIGHT (LBS)	CASE QTY	CASE REQ
86-25172-02	18	Steel	Roll	330	2	16	Yes
86-25172-01	18	Galvanized Steel	Roll	330	2	16	Yes
640017	18	Galvanized Steel	Roll	830	5	16	Yes

BRAZING & SOLDERING SUPPLIES

BRAZING RODS

Brazing Rods – Stay-Silv 15

- Recommended for joining copper to copper, copper to brass and brass to brass.
- Standard of the industry
- Excellent for use where a close fit does not exist
- Excellent for situations where thermal expansion and service vibration are involved

PART NO	ROD SHAPE	ROD THICKNESS (IN)	ROD WIDTH (IN)	ROD LENGTH (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-06	Flat	.050	1/8	20	3.0	1190	1480	0.002 - 0.006	15.0

Brazing Rods – Stay-Silv 6

- Recommended for joining copper to copper, copper to brass and brass to brass
- Suited for use where a close-fit does not exist

PART NO	ROD SHAPE	ROD THICKNESS (IN)	ROD WIDTH (IN)	ROD LENGTH (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-14	Flat	.050	1/8	20	5	1190	1425	0.002 - 0.005	6.0

BRAZING RODS

Brazing Rods – Stay-Silv 5

- Recommended for joining copper to copper, copper to brass and brass to brass
- Suited for use where a close-fit does not exist

PART NO	ROD SHAPE	ROD THICKNESS (IN)	ROD WIDTH (IN)	ROD LENGTH (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-13	Flat	.050	1/8	20	3	1190	1500	0.003 - 0.006	5.0

Brazing Rods – Harris 0

- Recommended for joining copper to copper, copper to brass and brass to brass
- Recommended for use where good fit-up exists and assemblies are not subject to excessive vibration or movement

PART NO	ROD SHAPE	ROD THICKNESS (IN)	ROD WIDTH (IN)	ROD LENGTH (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-12	Flat	.050	1/8	20	5	1310	1475	0.003 - 0.006	0.0

Brazing Rods – Dynaflow

- Recommended for joining copper to copper, copper to brass and brass to brass.
- Low-cost alternative to Stay-Silv 15
- Melts and flows at temperatures close to Stay-Silv 15
- Comparable brazed mechanical properties to Stay-Silv 15

PART NO	ROD SHAPE	ROD THICKNESS (IN)	ROD WIDTH (IN)	ROD LENGTH (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-05	Flat	.050	1/8	20	3.0	1190	1465	0.003 - 0.006	6.0

Brazing Rods – BLOCKADE

- Recommended for joining copper to copper, copper to brass and brass to brass
- A low-cost alternative to silver-based alloys

PART NO	ROD SHAPE	ROD DIAMETER (IN)	ROD LENGTH (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
572001	Round	5/64	20	8.0	1178	1247	0.002 - 0.005	0.0

Stay-Silv Brazing Flux

- All purpose, low temperature flux for use with most ferrous and non-ferrous metals
- Not for use with aluminum, magnesium or titanium

PART NO	DESCRIPTION	CASE QTY	CASE REQ
86-25254-09	Brazing Flux (Stay-Silv) - Bottle (6.5 oz)	24	Yes

Brazing Kit – Safety-Silv 45 (Includes Brazing Wire & Flux)

- Kit includes brazing wire and flux
- General Purpose filler for steel and copper alloys
- Recommended for wide clearances

PART NO	ROD SHAPE	ROD DIAMETER (IN)	ROD LENGTH (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-08	1/16	1	1.75	6.5	1225	1370	0.002 - 0.004	45.0

Stay-Brite Silver Soldering Wire (Lead Free)

- Recommended for use with all ferrous and nonferrous metal except aluminum
- 86-25254-01 (Stay-Brite 8) is excellent for use with loosely fitted joints

PART NO	WIRE DIAMETER (IN)	SPOOL WEIGHT (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-01	1/8	1	10.0	430	535	0.002 - 0.004	6.0
86-25254-02	1/8	1	7.0	430	430	0.002 - 0.003	4.0

BRAZING & SOLDERING SUPPLIES

Bridgit Soldering Wire (Lead Free)

- Recommended for use with all ferrous and non-ferrous metal except aluminum
- Widely used in plumping applications
- Contains nickel, a filler contributing to increased strength
- Fills gaps and caps off easily
- Excellent for use with loosely fitted joints

PART NO	WIRE DIAMETER (IN)	SPOOL WEIGHT (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-03	1/8	1	4.0	460	630	0.002 - 0.004	1.0

Stay-Clean Soldering Flux

- Recommended for use with tin-lead, tin-antimony and tin-silver solders
- For use with copper, brass, bronze, steel, stainless steel, galvanized steel and Monel
- Not for use with aluminum, magnesium or titanium
- Not for use with electrical applications

PART NO	DESCRIPTION	CASE QTY	CASE REQ
86-25254-04	Soldering Flux (Stay-Clean) Paste - Jar (4 oz)	24	Yes

Soldering Kit for Aluminum Soldering (Includes Wire & Flux)

- Kit includes soldering wire and flux
- Recommended for use with aluminum and zinc
- Not for use with magnesium

PART NO	ROD SHAPE	ROD DIAMETER (IN)	ROD LENGTH (IN)	FLUIDITY RATING	SOLIDUS TEMP (°F)	LIQUIDUS TEMP (°F)	RECOMMENDED JOINT CLEARANCE (IN)	SILVER (%)
86-25254-10	1/8	1	1.0	8.0	391	482	0.003 - 0.007	—

ColdShield Thermal Gel

- Functions as a heat sink and a heat shielding material
- Non-toxic, environmentally safe, non-corrosive and non-flammable
- Stops heat from traveling through most metals
- Provides a heat barrier from direct, open flame contact

PART NO	DESCRIPTION	CASE QTY	CASE REQ
86-1273-3	ColdShield Thermal Gel - Spray Bottle (32 oz.)	12	Yes

ColdShield Thermal Paste

- Functions as a heat sink and a heat shielding material
- Non-toxic, environmentally safe, non-corrosive and non-flammable
- Stops heat from traveling through most metals
- Provides a heat barrier from direct, open flame contact

PART NO	DESCRIPTION	CASE QTY	CASE REQ
86-1274-7	ColdShield Thermal Paste - Tub (32 oz.)	12	Yes

ABRASIVE CLOTH

Aluminum oxide high quality 120 grit abrasive cloth for cleaning copper and steel tubing; works wet or dry.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
86-25161-04	Abrasive Cloth - 120 grit (1-1/2 in. x 10 yards)	24	Yes

GLOVES – YOUNGSTOWN GLOVE

Youngstown Glove – General Utility Plus

Youngstown's #1 seller! All-Purpose and abrasion-resistant. The ideal performance work glove. Heavy duty non-slip reinforcement on the palm, fingers and thumb ensures lasting durability and grip. The ergonomic design reduces hand fatigue while enhancing wrist support. Features a terry cloth brow wipe on the thumb. This glove is ideal for any number of rugged applications.

- Extensive non-slip reinforcement for durability and grip
- Non-slip saddle reinforcement protects critical wear area
- Water and oil resistant synthetic suede base layer
- Supportive cuff with adjustable Velcro closure
- Directional top of hand wicks heat and moisture
- Terry cloth thumb for wiping sweat and debris
- Double-stitched bonded nylon thread for extended life

PART NO	DESCRIPTION
03-3060-80-L	Gloves - General Utility Plus - Large
03-3060-80-M	Gloves - General Utility Plus - Medium
03-3060-80-S	Gloves - General Utility Plus - Small
03-3060-80-XL	Gloves - General Utility Plus - X-Large
03-3060-80-XXL	Gloves - General Utility Plus - XX-Large
03-3060-80-XXXL	Gloves - General Utility Plus - XXX-Large

Youngstown Glove – General Utility Plus (Kevlar lined)

Youngstown's best selling Utility design with every inch of the glove lined with Kevlar® fiber to create the world's first Kevlar-lined, cut-resistant performance glove. This incredible glove is dexterous, cut-resistant and extremely durable. Ideal for a wide range of applications where total hand protection is required.

- Lined entirely throughout by cut-resistant Kevlar by DuPont™
- Palm rates a cut performance Level 3 on ANSI/ISEA 105-2005 Standard
- Extensive non-slip reinforcement for durability & grip
- Water and oil resistant synthetic suede base layer
- Supportive cuff with adjustable Velcro closure
- Double-stitched bonded nylon thread for extended life
- Terry cloth thumb for wiping sweat and debris

PART NO	DESCRIPTION
05-3080-70-L	Gloves - General Utility lined with Kevlar - Large
05-3080-70-M	Gloves - General Utility lined with Kevlar - Medium
05-3080-70-S	Gloves - General Utility lined with Kevlar - Small
05-3080-70-XL	Gloves - General Utility lined with Kevlar - X-Large
05-3080-70-XXL	Gloves - General Utility lined with Kevlar - XX-Large

Youngstown Glove – Carpenter Plus

Youngstown's Carpenter Plus features shortened fingers and thumb for true fingertip dexterity when handling nails, screws, wires other small items. The glove is form-fit and non-slip reinforced for lasting durability and grip.

- Shortened fingers and thumb for fingertip dexterity
- Extensive non-slip reinforcement for durability & grip
- Reinforced non-slip saddle protects critical wear area
- Water and oil resistant synthetic suede base layer
- Supportive cuff with adjustable Velcro closure
- Directional top of hand wicks heat and moisture
- Terry cloth thumb for wiping sweat and debris
- Double-stitched bonded nylon thread for extended life

PART NO	DESCRIPTION
03-3110-80-L	Gloves - Carpenter Plus - Large
03-3110-80-M	Gloves - Carpenter Plus - Medium
03-3110-80-S	Gloves - Carpenter Plus - Small
03-3110-80-XL	Gloves - Carpenter Plus - X-Large
03-3110-80-XXL	Gloves - Carpenter Plus - XX-Large

GLOVES – YOUNGSTOWN GLOVE

Youngstown Glove – Anti-Vibe XT

Youngstown's Anti-Vibe XT is designed to reduce vibration from pneumatic and vibrating tools or repetitive motions. The glove features strategically placed 5.0 mm memory foam on the palm and thumb. A unique 360° wrist wrap offers unrivaled wrist support while also relieving tension throughout your forearm, elbow and shoulder. Take care of yourself and use this glove.

- Unique 360° wrist wrap provides support and relieves arm tension
- 5.0 mm memory foam on palm and thumb dampens shock and vibration
- Extensive non-slip reinforcement on palm, fingers & thumb
- Double knuckle protection on top of hand
- Terry cloth thumb for wiping sweat and debris
- Heavy duty and top notch protection
- Ideal for use with power tools and outdoor power equipment

PART NO	DESCRIPTION
03-3200-78-L	Gloves - Anti-Vibe XT - Large
03-3200-78-M	Gloves - Anti-Vibe XT - Medium
03-3200-78-S	Gloves - Anti-Vibe XT - Small
03-3200-78-XL	Gloves - Anti-Vibe XT - X-Large
03-3200-78-XXL	Gloves - Anti-Vibe XT - XX-Large

Youngstown Glove – Waterproof Winter Plus

Youngstown's Waterproof Winter Plus is the ultimate winter work glove. 100% waterproof and windproof, this glove is designed to keep your hands warm and dry without sacrificing dexterity. Triple layer technology of micro-fleece liner, waterproof membrane, and form-fit outer shell. Durable, dexterous, comfortable and warm – if you work or live in cold, wet winters you need this glove.

- Waterproof, windproof and breathable inner membrane keeps hands warm and dry
- Durable and form-fit outer shell maintains dexterity
- Non-slip reinforcement increases grip and durability
- Internal knuckle protection on top of hand
- Double-stitched bonded nylon thread for extended life
- Supportive cuff with adjustable Velcro closure locks out cold
- Terry cloth thumb for wiping sweat and debris

PART NO	DESCRIPTION
03-3450-80-L	Gloves - Waterproof Winter Plus - Large
03-3450-80-M	Gloves - Waterproof Winter Plus -Medium
03-3450-80-S	Gloves - Waterproof Winter Plus - Small
03-3450-80-XL	Gloves - Waterproof Winter Plus - X-Large
03-3450-80-XXL	Gloves - Waterproof Winter Plus - XX-Large
03-3450-80-XXXL	Gloves - Waterproof Winter Plus - XXX-Large

Youngstown Glove – 24 Pair Counter Display

- FREE POP display with order of 24 gloves
- Gloves not included

PART NO	DESCRIPTION
PD849170	Youngstown Glove 24 Pair Counter Display

GLOVES – NITRILE & LATEX

Gloves – Black Mamba Nitrile

Black Mamba Gloves were created in response to repeated demands from customers needing a disposable glove that was tough enough to withstand the tasks their jobs require. No longer will you have to change your glove multiple times due to ripping or tearing. For gloves built for your tough tasks, it has to be Black Mamba Gloves.

- Patented Nitrex® polymer; superior strength and tear resistance.
- Two-ply fusion strength; unique process fuses an added polymer to facilitate donning and comfort.
- Chemical protection; three times the chemical resistance of latex or vinyl.
- Made to Grip, Not to Slip; fully textured with Grip Rite finish, Mamba gloves provide the precise contact when tactile sensitivity is a must

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
849166	BLK-120	Gloves - Black Mamba Powderfree - Textured - L (Box of 100)	—	—
849167	BLK-130	Gloves - Black Mamba Powderfree - Textured - XL (Box of 100)	—	—
849169	BLK-110	Gloves - Black Mamba Powderfree - Textured - M (Box of 100)	—	—

Gloves – Nitrile

PART NO	DESCRIPTION	CASE QTY	CASE REQ
849135	Gloves - Powderfree Nitrile - L (Box of 100)	10	Yes
849136	Gloves - Powderfree Nitrile - XL (Box of 100)	10	Yes

Gloves – Latex

PART NO	DESCRIPTION	CASE QTY	CASE REQ
849129	Gloves - Powderfree Latex - L (Box of 100)	10	Yes
849133	Gloves - Powdered Latex - XL (Box of 100)	10	Yes

Dust Masks

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
849152	SM-DM	Dust Mask - Dust Filter (Box of 50)	—	—

SHUBEE SHOE COVERS

ShuBee Shoe Covers – Original

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
849101	SB-SP-DB	Shoe Covers - Dark Blue (Bag of 10 Pairs)	15	Yes
849115	SB-SC-LB	Shoe Covers - Light Blue (Box of 50 Pairs)	3	Yes
849114	SB-SC-YL	Shoe Covers - Yellow (Box of 50 Pairs)	3	Yes

ShuBee Shoe Covers – Waterproof

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
849120	SB-SC-WP-DB	Shoe Covers - Waterproof - Dark Blue (Box of 50 Pairs)	3	Yes

SHUBEE COVERALLS

ShuBee Coveralls

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
849121	SB-CA-DB-L	Coveralls - Dark Blue - L	25	Yes
849122	SB-CA-DB-XL	Coveralls - Dark Blue - XL	25	Yes

ShuBee Coveralls – Hooded EnviroShield

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
849125	SB-CA-ES-H/NP-XL	Coveralls - EnviroShield Hooded - White - XL	25	Yes

EDGE SAFETY GLASSES

Edge safety glasses feature scratch and fog resistant polycarbonate lenses, tapered to eliminate refraction. Complies with ANSI Z87.1 2003.

Brazeau Black Gargoyle Series/Smoke

PART NO	DESCRIPTION
XB116-G	Safety Glasses - Brazeau Black Gargoyle Series/Smoke

Brazeau Black Skull Series/Smoke

PART NO	DESCRIPTION
XB116-S	Safety Glasses - Brazeau Black Skull Series/Smoke

Brazeau Polarized Smoke

PART NO	DESCRIPTION
TXBG216	Safety Glasses - Brazeau Polarized Smoke

Brazeua Black/Polarized G15 Silver Mirror

PART NO	DESCRIPTION
TXB21-G15-7	Safety Glasses - Brazeua Black/Polarized G15 Silver Mirror

Dakura Black Smoke Polarized

PART NO	DESCRIPTION
TSM216	Safety Glasses - Dakura Black Smoke Polarized

Dakura Black/Anti-Reflective

PART NO	DESCRIPTION
SW111AR	Safety Glasses - Dakura Black/Anti-Reflective

Dakura Black/Clear Anti-Fog

PART NO	DESCRIPTION
SW111AF	Safety Glasses - Dakura Black/Clear Anti-Fog

Dakura Polarized Camo/Copper

PART NO	DESCRIPTION
TSM215CF	Safety Glasses - Dakura Polarized Camo/Copper

Dakura Polarized Camo/Smoke

PART NO	DESCRIPTION
TSM216CF	Safety Glasses - Dakura Polarized Camo/Smoke

EDGE SAFETY GLASSES

Dakura Polarized Copper

PART NO	DESCRIPTION
TSM215	Safety Glasses - Dakura Polarized Copper

Dakura Polarized Silver

PART NO	DESCRIPTION
TSM21-G15-7	Safety Glasses - Dakura Polarized Silver

Kazbek Polarized Blue

PART NO	DESCRIPTION
TSKAP218	Safety Glasses - Kazbek Polarized Blue

Kazbek XL Black Clear

PART NO	DESCRIPTION
TSKXL-111	Safety Glasses - Kazbek XL Black Clear

Kazbek XL Black/Smoke

PART NO	DESCRIPTION
SK-XL116	Safety Glasses - Kazbek XL- Black/Smoke

Khor Black/Copper Driving

PART NO	DESCRIPTION
SDK115	Safety Glasses - Khor Black/Copper Driving

Khor Polarized Blue

PART NO	DESCRIPTION
TSDKA218	Safety Glasses - Khor Polarized Blue

Khor Polarized Copper

PART NO	DESCRIPTION
TSDK215	Safety Glasses - Khor Polarized Copper

Kirova Black/Clear

PART NO	DESCRIPTION
AB111	Safety Glasses - Kirova Black/Clear

Kirova Black/Yellow

PART NO	DESCRIPTION
AB112	Safety Glasses - Kirova Black/yellow

Kirova Anti-Reflective

PART NO	DESCRIPTION
AB111AR	Safety Glasses - Kirova Anti-Reflective

Reclus Polarized Black/Aqua Percision Blue

PART NO	DESCRIPTION
TSRAP	Safety Glasses - Reclus Polarized Black/Aqua Percision Blue

CLOTHING & PERSONAL PROTECTION EQUIPMENT

EDGE SAFETY GLASSES

Reclus Polarized Smoke

PART NO	DESCRIPTION
TSRG216	Safety Glasses - Reclus Polarized Smoke

Zorge Black/Anti-Reflective

PART NO	DESCRIPTION
DZ111AR	Safety Glasses - Zorge Black/Anti-Reflective

Zorge Clear

PART NO	DESCRIPTION
DZ111	Safety Glasses - Zorge Clear

Zorge Magnifier 2.0

PART NO	DESCRIPTION
DZ111-2.0	Safety Glasses - Zorge Magnifer- Black/Clear Lens - 2.0 Magnification

Zorge Smoke

PART NO	DESCRIPTION
DZ116	Safety Glasses - Zorge Smoke

Zorge Yellow

PART NO	DESCRIPTION
DZ112	Safety Glasses - Zorge Yellow

CLEANING SUPPLIES & HAND CLEANER

Heavy Duty Hand Wipes

Aggressive,yet gentle cleaning. Built in skin conditions help prevent cracking and drying while leaving hand clean and smelling fresh. No overly strong orange odor.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
8			

Hand Cleaner – Heavy Duty Pumice Lotion

- Contains premium grade cleansing agents and pumice that efficiently dissolve grease, paints, inks and other hard to remove soils
- Fortified with six skin conditioners
- Use with or without water
- Complies with USA VOC regulations

PART NO	DESCRIPTION	CASE QTY	CASE REQ
87-51431	Hand Cleaner - Heavy Duty - 15 oz.	—	—

LIGHT BULBS

Light Bulbs – Rough Service

SLI LIGHTING

Rough service light bulbs include special filament constructed to withstand vibration and shock – originally designed for automotive industry.

- 12,500 hour typical life at 120V; 5,000 hour typical life at 130V
- Retail packaging

PART NO	VENDOR PART NO	DESCRIPTION		CASE QTY	CASE REQ
864017	60015	Light Bulb (Rough Service) - 50 Watt	120	Yes	
864018	60016	Light Bulb (Rough Service) - 75 Watt	120	Yes	
864019	60018	Light Bulb (Rough Service) - 100 Watt	120	Yes	

PIPE FLASHING

Pipe Flashing – Aluminum

PART NO	BASE WIDTH (IN)	BASE LENGTH (IN)	TOP OPENING DIA (IN)	MATERIAL	COLOR	CASE QTY	CASE REQ
583002	8-3/4	12-1/2	2	Aluminum	Aluminum	12	Yes
583010	12	15-1/2	3 - 4	Aluminum	Black	12	Yes
583004	12	15-1/2	4	Aluminum	Aluminum	12	Yes

Pipe Flashing – Poly

PART NO	BASE WIDTH (IN)	BASE LENGTH (IN)	TOP OPENING DIA (IN)	MATERIAL	COLOR	CASE QTY	CASE REQ
583014	4-1/2	4-1/2	Cut-to-fit (1/4 to 4)	EPDM	Black	6	Yes
583016	8	8	Cut-to-fit (1/4 to 4)	EPDM	Black	6	Yes
583018	11	11	3-1/2	EPDM	Black	2	Yes

AEROCEL EPDM TUBING INSULATION

Aerocel pipe insulation is used to retard heat gain or loss, and control condensation formation on cold-water plumbing, chilled water, and refrigeration lines. The material also efficiently reduces heat flow for hot water plumbing, liquid heating and dual temperature piping systems. Aerocel sheet is used to insulate OD pipes, chillers, vessels and tanks, and can be used as a duct liner or duct wrap. Aerocel is designed for installation above and below ground, indoors and outdoors. No protective finish is required.

Aerocel pipe insulation is uniquely suited, over many other cellular or fibrous insulation materials, to dual-temperature HVAC piping systems. This unique fit results from Aerocel's proprietary combination of very low moisture vapor flow for times of cooling-mode operation, higher temperature usage properties during times of heating-mode operation, and superior insulating capacity in either operating mode.

Approved by or conforms to the requirements of the following: ASTM C 534, NY City MEA #171-04-M, City of LA RR-8413, UL181 Section 13 Mold Growth Humidity, ASTM G 21 Fungal Resistance Test, UL181 Section 18 Air Erosion, NFPA 90 5 & 90B, MIL I528OJ. Meets the energy code requirements of International energy Conservation Code (IECC) and ASHRAE for R-4 for Refrigeration Piping at 1 in. wall thickness.

The unique cell structure of Aerocel EPDM insulation effectively retards the flow of moisture vapor. Aerocel is considered a low transmittance vapor retarder. In normal service conditions, Aerocel requires no supplemental vapor retarder protection. When used in extremely low-temperature or extremely high-humidity conditions, an additional vapor barrier maybe required. Key features include:

- UV Resistant; added weather protection not required, saves on first cost and maintenance
- Low thermal conductivity; saves additional energy costs
- Recommended service temperature range -297 to +257°F; cryogenic to low pressure steam
- E 84 25/50 rated through 2 in. wall thickness; lowers installation cost with fewer layers
- Versatile for heating, AC, refrigeration, solar, plumbing; single product for all systems
- Easy to install; lowers installation costs, keeps job cost as estimated

Nominal 3/8 Inch Wall – Aerocel AC Series Tubing Insulation

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC1438	1/4	3/8	6	1/4	—	130	Yes
AC3838	3/8	3/8	6	3/8	—	120	Yes
AC1238	1/2	3/8	6	1/2	1/4	108	Yes
AC5838	5/8	3/8	6	5/8	3/8	88	Yes
AC3438	3/4	3/8	6	3/4	—	70	Yes
AC7838	7/8	3/8	6	7/8	1/2	63	Yes
AC11838	1-1/8	3/8	6	1-1/8	3/4	48	Yes
AC13838	1-3/8	3/8	6	1-3/8	1	35	Yes
AC15838	1-5/8	3/8	6	1-5/8	1-1/4	30	Yes
AC21838	2-1/8	3/8	6	2-1/8	—	19	Yes
AC23838	2-3/8	3/8	6	—	2	16	Yes
AC25838	2-5/8	3/8	6	2-5/8	—	14	Yes
AC31838	3-1/8	3/8	6	3-1/8	—	10	Yes

Nominal 3/4 Inch Wall – Aerocel AC Series Tubing Insulation

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC3834	3/8	3/4	6	3/8	—	42	Yes
AC1234	1/2	3/4	6	1/2	1/4	48	Yes
AC5834	5/8	3/4	6	5/8	3/8	42	Yes
AC3434	3/4	3/4	6	3/4	—	28	Yes
AC7834	7/8	3/4	6	7/8	1/2	28	Yes
AC11834	1-1/8	3/4	6	1-1/8	3/4	20	Yes
AC13834	1-3/8	3/4	6	1-3/8	1	19	Yes
AC15834	1-5/8	3/4	6	1-5/8	1-1/4	12	Yes
AC21834	2-1/8	3/4	6	2-1/8	—	12	Yes
AC51234	5-1/2	3/4	6	—	—	4	Yes

AEROCEL EPDM TUBING INSULATION

Nominal 1/2 Inch Wall – Aerocel AC Series Tubing Insulation

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC1412	1/4	1/2	6	1/4	—	108	Yes
AC3812	3/8	1/2	6	3/8	—	88	Yes
AC1212	1/2	1/2	6	1/2	1/4	72	Yes
AC5812	5/8	1/2	6	5/8	3/8	63	Yes
AC3412	3/4	1/2	6	3/4	—	56	Yes
AC7812	7/8	1/2	6	7/8	1/2	48	Yes
AC11812	1-1/8	1/2	6	1-1/8	3/4	36	Yes
AC13812	1-3/8	1/2	6	1-3/8	1	29	Yes
AC15812	1-5/8	1/2	6	1-5/8	1-1/4	23	Yes
AC21812	2-1/8	1/2	6	2-1/8	—	15	Yes
AC23812	2-3/8	1/2	6	—	2	13	Yes
AC25812	2-5/8	1/2	6	2-5/8	—	12	Yes
AC31812	3-1/8	1/2	6	3-1/8	—	10	Yes
AC35812	3-5/8	1/2	6	3-5/8	—	8	Yes
AC41212	4-1/2	1/2	6	—	—	6	Yes

Nominal 1 Inch Wall – Aerocel AC Series Tubing Insulation

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC3810	3/8	1	6	3/8	—	23	Yes
AC1210	1/2	1	6	1/2	1/4	20	Yes
AC5810	5/8	1	6	5/8	3/8	22	Yes
AC3410	3/4	1	6	3/4	—	20	Yes
AC7810	7/8	1	6	7/8	1/2	20	Yes
AC11810	1-1/8	1	6	1-1/8	3/4	15	Yes
AC13810	1-3/8	1	6	1-3/8	1	12	Yes
AC15810	1-5/8	1	6	1-5/8	1-1/4	12	Yes
AC21810	2-1/8	1	6	2-1/8	—	10	Yes
AC23810	2-3/8	1	6	—	2	6	Yes
AC25810	2-5/8	1	6	2-5/8	—	6	Yes
AC31210	3-1/2	1	6	—	3	5	Yes

Nominal 1-1/2 Inch Wall – Aerocel AC Series Tubing Insulation

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC118112	1-1/8	1-1/2	6	1	3/4	8	Yes

AEROCEL EPDM TUBING INSULATION

Nominal 3/8 Inch Wall – Aerocel AC-SSPT Series Split Tubing Insulation w/Protape

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC1238SSPT	1/2	3/8	6	1/2	1/4	80	Yes
AC5838SSPT	5/8	3/8	6	5/8	3/8	65	Yes
AC3438SSPT	3/4	3/8	6	3/4	—	55	Yes
AC7838SSPT	7/8	3/8	6	7/8	1/2	48	Yes
AC11838SSPT	1-1/8	3/8	6	1-1/8	3/4	35	Yes
AC13838SSPT	1-3/8	3/8	6	1-3/8	1	30	Yes
AC15838SSPT	1-5/8	3/8	6	1-5/8	1-1/4	25	Yes
AC21838SSPT	2-1/8	3/8	6	2-1/8	—	16	Yes
AC25838SSPT	2-5/8	3/8	6	2-5/8	—	14	Yes
AC31838SSPT	3-1/8	3/8	6	3-1/8	—	10	Yes

Nominal 1/2 Inch Wall – Aerocel AC-SSPT Series Split Tubing Insulation w/Protape

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC3812SSPT	3/8	1/2	6	3/8	—	70	Yes
AC1212SSPT	1/2	1/2	6	1/2	1/4	62	Yes
AC5812SSPT	5/8	1/2	6	5/8	3/8	48	Yes
AC3412SSPT	3/4	1/2	6	3/4	—	42	Yes
AC7812SSPT	7/8	1/2	6	7/8	1/2	35	Yes
AC11812SSPT	1-1/8	1/2	6	1-1/8	3/4	24	Yes
AC13812SSPT	1-3/8	1/2	6	1-3/8	1	24	Yes
AC15812SSPT	1-5/8	1/2	6	1-5/8	1-1/4	18	Yes

Nominal 3/4 Inch Wall – Aerocel AC-SSPT Series Split Tubing Insulation w/Protape

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC3834SSPT	3/8	3/4	6	3/8	—	35	Yes
AC1234SSPT	1/2	3/4	6	1/2	1/4	32	Yes
AC5834SSPT	5/8	3/4	6	5/8	3/8	28	Yes
AC3434SSPT	3/4	3/4	6	3/4	—	24	Yes
AC7834SSPT	7/8	3/4	6	7/8	1/2	24	Yes
AC11834SSPT	1-1/8	3/4	6	1-1/8	3/4	18	Yes
AC13834SSPT	1-3/8	3/4	6	1-3/8	1	14	Yes
AC15834SSPT	1-5/8	3/4	6	1-5/8	1-1/4	12	Yes

Nominal 1 Inch Wall – Aerocel AC-SSPT Series Split Tubing Insulation w/Protape

PART NO	ID (IN)	WALL THICKNESS (IN)	LENGTH (IN)	FITS (ACR) COPPER TUBE SIZE (IN)	FITS (IPS) IRON PIPE SIZE (IN)	CASE QTY	CASE REQ
AC5810SSPT	5/8	1	6	5/8	3/8	16	Yes
AC3410SSPT	3/4	1	6	3/4	—	16	Yes
AC7810SSPT	7/8	1	6	7/8	1/2	14	Yes
AC11810SSPT	1-1/8	1	6	1-1/8	3/4	12	Yes
AC13810SSPT	1-3/8	1	6	1-3/8	1	12	Yes
AC15810SSPT	1-5/8	1	6	1-5/8	1-1/4	9	Yes
AC23810SSPT	2-3/8	1	6	—	2	6	Yes
AC31210SSPT	3-1/2	1	6	—	3	4	Yes

INSULATION, SEALING & GASKET MATERIALS

Adhesive for Aerocel EPDM Insulation

PART NO	DESCRIPTION	CASE QTY	CASE REQ
ADH-12PBTBLK	Black Adhesive for Aerocel Tubing - 1/2 pint	48	Yes
ADH-1PBTBLK	Black Adhesive for Aerocel Tubing - 1 pint	24	Yes
ADH-1GPBLK	Black Adhesive for Aerocel Tubing - 1 gallon	4	Yes

Aerocel Protape

An EPDM-based self-adhering rubber tape, specifically designed for covering the joints of Aerocel tubing and sheet insulation. Provides extra holding strength to the joints and serves as a vapor retarder to prevent atmospheric moisture from penetrating the seams. It is easy to wrap and patch elastomeric insulation surfaces securely, giving cleaner visual appearance on installations.

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (IN)	COLOR	BACKING	ADHESIVE	SERVICE TEMP RANGE (°F)	CASE QTY	CASE REQ
TPPR060500251	20.0	2	82	Black	Self-Adhering EPDM Based Rubber	Acrylic Base	-70 to 257	12	Yes
TPPR060750251	20.0	3	82	Black	Self-Adhering EPDM Based Rubber	Acrylic Base	-70 to 257	8	Yes

PF-2800 Polyethylene Insulation Tape

For hot or cold pipes; stops condensation and drips. Adheres well to all metals; resists drying and cracking.

PART NO	THICKNESS (MILS)	WIDTH (IN)	ROLL LENGTH (IN)	COLOR	BACKING	ADHESIVE	SERVICE TEMP RANGE (°F)	CASE QTY	CASE REQ
PF-2800	1/8	2	360	Black	Cross-linked Polyethylene Foam	Rubber Base	-20 to 160	12	Yes

Sealing Gum Slug

A non-staining white sealer that can be formed into any shape by hand.

- Odorless
- Never hardens
- Flexible to -20°F

PART NO	DESCRIPTION	CASE QTY	CASE REQ
PF-H-2902	Preferred Sealing Gum Slug - 2 lbs.	24	Yes

EXPANDING FOAM PRODUCTS

BOSS 333 Polyurethane Expanding Foam

A ready-to-use multi-purpose polyurethane foam that expands to three times its original volume on contact with air. The expanding action fills holes, cracks and gaps more completely than standard caulks. Designed for air sealing; partition walls with ceiling, through penetrations around cables and pipes, seams between chimneys, and roof protection. Excellent insulating properties and superb adhesion to virtually all building materials.

PART NO	CAN QTY (OZ)	CURE/ DRYING TIME	MAX SHELF LIFE (MO)	AGENCY CERTIFICATIONS	APPROX LINEAR YIELD 3/8 IN BEAD (FT)	APPROX THERMAL CONDUCT (R-VALUE/IN)	CASE QTY	CASE REQ
86-333	12	24	18	ASTM E-84-04, UL classified - UL723	11	3.8 - 4.5	12	Yes
86-33324	24	24	18	ASTM E-84-04, UL classified - UL723	11	3.8 - 4.5	12	Yes

BOSS 812 Draft/Smoke Stop Foam

Prevents the spread of smoke and toxic gasses from one compartment to another; slowing fire spread due to lack of air to fuel the flame. Tested to ASTM E-84; classified Class A.

- Will adhere to almost any substrate
- Can be used to seal around copper, PVC pipes and conduits in addition to large spaces left after the installation of wastewater pipes, ducting etc.
- Prevents the spread of smoke and toxic gasses
- Can be used on vertical or horizontal applications
- Excellent acoustic and thermal insulation
- Paintable (after inspection)
- Unaffected by moisture or humidity after curing
- Reduces energy costs
- Prevents intrusion of insects and pests

PART NO	CAN QTY (OZ)	CURE/ DRYING TIME	MAX SHELF LIFE (MO)	AGENCY CERTIFICATIONS	APPROX LINEAR YIELD 3/8 IN BEAD (FT)	APPROX THERMAL CONDUCT (R-VALUE/IN)	CASE QTY	CASE REQ
86-812	24	24	12	ASTM E-84-04, UL classified - UL723	880	3.8 - 4.5	12	Yes

SPRAY ADHESIVES

BOSS 635 Spray Adhesive

Combines a uniform misting spray pattern with super high solids to create a fast tacking and high bond strength product capable of handling virtually any light or heavy duty job. Applications can be found throughout general industry for bonding fabric, plastics, felt, cork, foam, insulation, paper, corrugated, wood, most metals and more. Even with the super high solids, this product has a conveniently long open time to allow for repositioning and adjustment when affixing surfaces to be bonded. Also featured is a moderate flow rate spray valve to provide overspray control in a mist adhesive. The product has an economical coverage rate and is ideally suited for both temporary and permanent bonds.

- VOC Compliant
- Nonchlorinated
- Fast drying
- High strength
- Web spray
- Formulated with high solids

PART NO	DESCRIPTION	CASE QTY	CASE REQ
02466TN10	BOSS 635 Contact/Spray Adhesive	12	Yes

86-N357-SA Spray Adhesive – Low VOC

May be used to bond fabric, fiberglass insulation, plastic films, felt, rubber, leather, cork, paper, cardboard, urethane foam, foil to metal, wood to wood and a variety of other substrates. Bonds polyethylene to concrete block, wood, and other hard-to-bond surfaces. May be used to bond carpet and is ideal for label applications.

- Fast skin, fast grab, low soak in spray adhesive
- Contains no methylene chloride
- Extremely flammable
- Water white color
- Application temperature: -10 to 180°F
- Lace spray pattern

PART NO	DESCRIPTION	CASE QTY	CASE REQ
86-N357-SA	Spray Adhesive - Low VOC (17 oz. Aerosol)	12	Yes

86-P44 Spray Adhesive

Fast skin, high tack, low soak-in rate adhesive designed for temporary and permanent bonding. Bonds foils and metals to fibrous and paper insulation, and paper, fabrics, leather, rubber and wood to various other substrates.

- High strength & coverage; high solids content
- Contains no methylene chloride
- Extremely flammable
- Sprays white; dries clear
- Application temperature: 40 to 120°F
- Good UV, moisture and oxidation resistance
- Adjustable nozzle
- Non-run, non-string spray

PART NO	DESCRIPTION	CASE QTY	CASE REQ
86-P44	Spray Adhesive (17 oz. Aerosol)	12	Yes

BOSS 136 Fireblock/Draftstop Sealant

Single component fire rated sealant and is a noncombustible filler caulking used for fire blocking applications in the annular space around wires, pipes, ducts, vents, cable lines and other penetrations to the building envelope. It is a non-slumping sealant that sets to form a hard surface. Can be applied to any gap or penetration where the specification is noncombustible and/or ASTM-E136 rated. The noncombustible specification is common to one and two family construction and to non-rated penetrations in multi-family and commercial construction. Colored red for ease of inspection. In the event of a fire, prevents the spread of fire, smoke and toxic gases through penetration openings. Tested and meets the American Society for Testing Materials E-136. To pass this test a material must withstand 1400°F without exhibiting signs of flaming after the first thirty seconds in the test apparatus. Serves to form a "gasket or seal against air infiltration" as required by the Model Energy Code in both the performance and prescriptive versions. Applicable standards include: UBC page 1-387, 1997 edition, CABO Section 602.7 item 4, 1995 edition, BOCA (NBC) 704.4.1.1 1996, ASTM E-136.

- Non-toxic and contains no asbestos or PCBs
- Noncombustible
- Applied with a conventional caulking gun
- Easily applied sealant, water cleanup capabilities
- Single component system, no mixing necessary and no additions required
- An accredited fire block/smoke seal caulk
- Meets residential construction code approvals including IRC
- For interior applications only
- Excellent adhesion to a wide variety of substrate material

PART NO	COLOR	TACT-FREE DRYING TIME (HRS)	CURE TIME/ DRYING TIME (DAYS)	SHELF LIFE (MONTHS)	CARTRIDGE QTY (OZ)	CASE QTY	CASE REQ
86-136	Red	—	3	12	10.1	12	Yes

BOSS 139 Fire Mortar

Non-combustible silicate cement that can withstand extremely high temperatures. Formulated for repairing chimneys, fireplaces and sealing wood-burning stoves and appliances, this product has strong adhesion and sets to become rock hard when fired. Cannot be used in areas where there is constant movement, or where wet conditions exist or may occur. Tested and exceeds ASTM E-136 and can withstand temperatures of up to 1400°F. Can be used in wood frame construction where an ASTM E-136 non combustible sealant is specified and where allowed by the building code. This includes sealing around pipes, ducts, vents and chimneys at ceiling and floor level before drywall is applied.

- Can withstand extremely high heat
- Dries rock hard when cured and fired
- Safe to use and handle
- No harmful odors
- Water clean-up (prior to curing)
- VOC compliant
- Contains no asbestos fillers of any kind

PART NO	COLOR	TACT-FREE DRYING TIME (HRS)	CURE TIME/ DRYING TIME (DAYS)	SHELF LIFE (MONTHS)	CARTRIDGE QTY (OZ)	CASE QTY	CASE REQ
86-139	Black	1/4	24	12	10.1	12	Yes

BOSS 360 Acrylic Latex Painters Caulk

Designed for both interior and exterior use. Forms a tough, flexible, resilient bond to all building material surfaces. It has excellent resistance to water, weathering and moisture vapor. Cures to produce a flexible seal that is non-yellowing.

- Sealing around window and door frames
- Sealing around baseboards
- Sealing around trim
- Sealing anywhere a weather tight seal is desired
- Sealing corner joints
- Sealing where siding meets trim

PART NO	COLOR	TACT-FREE DRYING TIME (HRS)	CURE TIME/ DRYING TIME (DAYS)	SHELF LIFE (MONTHS)	CARTRIDGE QTY (OZ)	CASE QTY	CASE REQ
86-360W	White	1/2	2	12	10.1	12	Yes

BOSS 362 Siliconized Acrylic Latex Caulk

Mildew resistant, paintable sealant formulated to provide long lasting, flexible, weatherproof seals between most common building materials including wood, masonry, concrete, brick, drywall, metal and glass. Its smooth, creamy consistency makes it easy to tool, and it cures to a tough, flexible seal. Can be used for both interior and exterior applications.

- Sealing around window and door frames
- Sealing around baseboards
- Sealing around trim
- Sealing anywhere a weather tight seal is desired
- Sealing corner joints
- Sealing where siding meets trim

PART NO	COLOR	TACT-FREE DRYING TIME (HRS)	CURE TIME/ DRYING TIME (DAYS)	SHELF LIFE (MONTHS)	CARTRIDGE QTY (OZ)	CASE QTY	CASE REQ
86-362W	White	1/2	2	12	10.1	12	Yes

BOSS 376 HVAC/R Hi-Temp Red Silicon Sealant

One-part, non-slumping paste that cures to a tough, rubbery solid at room temperature on exposure to water vapor in the air. This silicone product was formulated to perform at temperatures ranging from -85 to 500°F. It can be used for numerous sealing and bonding applications.

- Sealing and encapsulating heating elements in appliances
- Stove and furnace vent pipes
- Moving oven belts
- Industrial ovens
- Bag filters on smoke stacks
- Other critical bonding, sealing, potting, encapsulating and protective coating where parts must perform at high temps

PART NO	COLOR	TACT-FREE DRYING TIME (HRS)	CURE TIME/ DRYING TIME (DAYS)	SHELF LIFE (MONTHS)	CARTRIDGE QTY (OZ)	CASE QTY	CASE REQ
86-376R	Red	1/3	24	12	10.1	12	Yes

BOSS 814 Latex Intumescent Firestop Sealant

UL classified one part, elastomeric, intumescent fire stop sealant that expands when exposed to fire or extreme heat, forming an insulated char; prevents the spread of toxic gases, smoke and fire. Suitable for adhesion to almost any surface and remains flexible, making it ideal for both horizontal and vertical joints, subject to vibration or dynamic movement. Can be used for interior or exterior applications, and can be painted (after inspection). Tested to ASTM E-814 (UL 1479) and meets the criteria for fire/smoke/draft stop for BOCA–CABO–UBC–SBCCI–IRC.

- Interior/exterior use on virtually any surface
- Remains flexible
- VOC compliant
- Excellent freeze/thaw properties
- Safe to use and handle
- Water clean-up

PART NO	COLOR	TACT-FREE DRYING TIME (HRS)	CURE TIME/ DRYING TIME (DAYS)	SHELF LIFE (MONTHS)	CARTRIDGE QTY (OZ)	CASE QTY	CASE REQ
86-814	Red	1/4	14 to 20	12	10.1	12	Yes

BOSS 816 Intumescent Firestop Sealant

UL classified fire-rated, general purpose sealant for use on through-penetrations and construction joints. It is a single component, non-sag, water based sealant and smoke seal that is easy to apply and clean up. Prevents the spread of toxic gases, water, smoke and fire through joint openings and through penetrations. Suitable for adhesion to almost any surface and remains flexible, making it ideal for both horizontal and vertical joints, subject to vibration or dynamic movement. It bonds quickly, has excellent adhesion and is non-toxic. Protects against mold growth with a combination of biocides in both wet and dry stages. It has been tested to ASTM E-814 (UL 1479) and ASTM E1966 (UL 2079).

- Bonds quickly with excellent adhesion
- Mildew resistant
- Remains flexible
- VOC compliant
- Excellent freeze/thaw properties
- Safe to use and handle
- Water based and paintable
- Water clean-up

PART NO	COLOR	TACT-FREE DRYING TIME (HRS)	CURE TIME/ DRYING TIME (DAYS)	SHELF LIFE (MONTHS)	CARTRIDGE QTY (OZ)	CASE QTY	CASE REQ
86-816R	Red	1/2	21 to 28	24	10.1	12	Yes

WD-40

WD-40 Cans

WD-40 protects metal from rust and corrosion, penetrates stuck parts, displaces moisture, and lubricates just about anything. WD-40 is also effective when it comes to cleaning grease, grime, and other marks from most surfaces. Cans with “Smart Straw” feature a permanently attached straw that sprays two ways; flip it up for a precision stream or down for a regular spray action.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-110075	WD-40 - 11 oz. Aerosol Can	48	Yes
85-110078	WD-40 - 11 oz. Aerosol Can (Smart Straw)	12	Yes
85-10116	WD-40 - 16 oz. Aerosol Can	12	Yes
85-110054	WD-40 - 8 oz. Aerosol Can	12	Yes

THREAD SEALANTS & JOINT COMPOUNDS

Great Blue Pipe Joint Compound

A blue colored non-separating thread sealant compound formulated to seal threaded connections on metal and plastic pipe up to and including two inch diameter. Fibrous texture enhances the sealing properties. Permits easy disassembly without stripping or damaging threads and is non-toxic, non-staining, and can be wiped clean using a dry cloth.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
31261	Great Blue Pipe Joint Compound - 4 oz.	12	Yes
31262	Great Blue Pipe Joint Compound - 8 oz.	12	Yes

Great White Pipe Joint Compound with PTFE

A white colored non-separating thread sealant compound with PTFE designed to seal thread connections against leakage due to internal pressure. Permits a tighter assembly with lower torque, secure permanent sealing of all thread connections, and allows for easy disassembly without stripping threads.

- Certified to ANSI/NSF Standard 61 for potable water

PART NO	DESCRIPTION	CASE QTY	CASE REQ
31229	Great White Pipe Joint Compound with PTFE - 1 oz.	12	Yes
31230	Great White Pipe Joint Compound with PTFE - 4 oz.	12	Yes
31231	Great White Pipe Joint Compound with PTFE - 8 oz.	12	Yes
31232	Great White Pipe Joint Compound with PTFE - 16 oz.	24	Yes
31233	Great White Pipe Joint Compound with PTFE - 32 oz.	12	Yes

Thread Sealing Tape – White PTFE

PART NO	WIDTH (IN)	ROLL LENGTH (IN)	COLOR	BACKING	AGENCY CERTIFICATIONS	CASE QTY	CASE REQ
686027	1/2	260	White	White Teflon - TPFE	—	12	Yes
686028	1/2	520	White	White Teflon - TPFE	—	12	Yes

PLASTIC PIPE CEMENTS & PRIMERS

All-Purpose Regular Clear Cement

- Medium-bodied milky clear cement
- Recommended for pipe and fittings for potable water, pressure pipe, gas, conduit, and DWV
- Meets ASTM D-2564, D-2235, F-493

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
670003	30818	4	ABS, PVC, CPVC	6/6	40 to 110	24	Yes
670002	30821	8	ABS, PVC, CPVC	6/6	40 to 110	24	Yes
670001	30834	16	ABS, PVC, CPVC	6/6	40 to 110	24	Yes
670000	30847	32	ABS, PVC, CPVC	6/6	40 to 110	12	Yes

PVC Regular Clear Cement

- Regular-bodied clear cement
- Recommended for all grades of pipe and fittings for pipe and fittings, potable water, pressure pipe, gas, conduit, and DWV
- Sets up quickly
- No primer needed on non-pressure DWV less than 4 in. where local codes permit
- Meets ASTM D-2564; NSF Standard 61 for PW, DWV, SEWER; IAPMO listed

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
670008	31012	4	PVC	4/2	40 to 110	24	Yes
670007	31013	8	PVC	4/2	40 to 110	24	Yes
670006	31014	16	PVC	4/2	40 to 110	24	Yes
670005	31015	32	PVC	4/2	40 to 110	12	Yes
670004	31016	128	PVC	4/2	40 to 110	6	Yes

PVC All-Weather Cement

- Medium-bodied clear cement
- Recommended for pipe and fittings for potable water, pressure pipe, gas, conduit and DWV
- Formulated for fast initial set-up at low temperatures
- Meets ASTM D-2564; NSF Standard 61 for PW, DWV, SEWER; IAPMO listed

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
670010	31132	16	PVC	6/6	-15 to 110	24	Yes
670009	31133	32	PVC	6/6	-15 to 110	12	Yes

PVC Heavy Duty Clear Cement

- Heavy-bodied clear cement for PVC pipe and fittings
- Recommended for pipe and fittings for potable water, pressure pipe, gas, conduit, and DWV
- Thick formula fills gaps in large diameter pipe and loose fitting joints
- Meets ASTM D-2564; NSF Standard 61 for PW, DWV, SEWER; IAPMO listed

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
670024	30850	4	PVC	12/12	40 to 110	24	Yes
670025	30863	8	PVC	12/12	40 to 110	24	Yes
670026	30876	16	PVC	12/12	40 to 110	24	Yes
670027	31008	32	PVC	12/12	40 to 110	12	Yes

PLASTIC PIPE CEMENTS & PRIMERS

PVC Rain-R-Shine Blue Cement

- Medium-bodied blue colored cement
- Very fast-setting cement formulated for wet conditions and/or quick pressurization and fast installation
- Recommended for pipe and fittings for potable water, pressure pipe, gas, conduit, and DWV
- No primer needed on non-pressure DWV where local codes permit
- Meets ASTM D-2564; NSF Standard 61 for PW, DWV, SEWER; IAPMO listed

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
670016	30891	8	PVC	6/6	40 to 110	24	Yes
670015	30893	16	PVC	6/6	40 to 110	24	Yes
670014	30894	32	PVC	6/6	40 to 110	12	Yes

PVC Medium Gray Cement

- Medium-bodied gray colored cement
- Recommended for pipe and fittings potable water, pressure pipe, gas, conduit and DWV
- Meets ASTM D-2564; NSF Standard 61 for PW, DWV, SEWER; IAPMO listed

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
670013	30886	32	PVC	6/6	40 to 110	12	Yes

CPVC Medium Orange Cement

- Medium-bodied orange colored cement
- For CTS (Copper Tube Size) and Schedule 80 potable water pressure pipe
- Meets ASTM F-493; NSF Standard 61 for PW, DWV, SEWER; IAPMO listed

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
670012	31128	4	CPVC	6/6	40 to 110	24	Yes
670011	31129	8	CPVC	6/6	40 to 110	24	Yes

Clear Cleaner

Clear liquid cleaner formulated to remove dirt and oil from the surface of the piping in preparation for solvent welding.

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
523003	30782	8	ABS, PVC, CPVC	-	40 to 110	24	Yes
PD523002	30795	16	ABS, PVC, CPVC	-	40 to 110	24	Yes
523001	30805	32	ABS, PVC, CPVC	-	40 to 110	12	Yes
523000	30766	128	ABS, PVC, CPVC	-	40 to 110	6	Yes

Purple Primer – NSF Listed

Purple-tinted primer formulated to remove dirt and oil from the surface of piping, as well as soften the piping, in preparation for solvent welding. Purple pigment provides verification that primer has been applied to the pipe surface. Meets ASTM F-656; NSF Standard 61 for PW, DWV, SEWER; IAPMO listed.

PART NO	VENDOR PART NO	CONTAINER SIZE (OZ)	APPLICATIONS	MAX PIPE DIA SCHEDULE 40/80 (IN)	STORAGE/APP TEMP (°F)	CASE QTY	CASE REQ
523007	30756	8	PVC, CPVC	-	40 to 110	24	Yes
523006	30757	16	PVC, CPVC	-	40 to 110	24	Yes
523005	30758	32	PVC, CPVC	-	40 to 110	12	Yes
523004	30759	128	PVC, CPVC	-	40 to 110	6	Yes

BRASS FITTINGS

Brass Straight Fittings – External Flare to External Flare

PART NO	INLET FLARE SAE SIZE (IN)	OUTLET FLARE SAE SIZE (IN)	CASE QTY	CASE REQ
82-A00325	1/4	1/4	25	Yes
82-A00327	3/8	3/8	25	Yes

Brass Straight Fittings – External Flare to External NPTFE

PART NO	FLARE SAE SIZE (IN)	NPTFE SIZE (IN)	CASE QTY	CASE REQ
82-A04585	1/4	1/4	25	Yes
82-A00330	1/4	1/8	25	Yes
82-A04993	3/8	1/2	25	Yes
82-A01199	3/8	3/8	25	Yes
82-A04780	1/2	1/2	10	Yes
82-A04540	5/8	1/2	10	Yes

Brass Straight Fittings – Internal Flare to External Flare

PART NO	INLET FLARE SAE SIZE (IN)	OUTLET FLARE SAE SIZE (IN)	CASE QTY	CASE REQ
82-A00479	3/8	1/4	15	Yes
82-A00481	1/2	3/8	15	Yes

Brass Straight Fittings – Internal Flare to Internal Flare Straight Fitting

PART NO	INLET FLARE SAE SIZE (IN)	OUTLET FLARE SAE SIZE (IN)	CASE QTY	CASE REQ
82-A13563	1/4	1/4	15	Yes
82-A13565	3/8	3/8	15	Yes

Brass Straight Fittings – Internal Flare to Tube Extension Solder

PART NO	FLARE SAE SIZE (IN)	CASE QTY	CASE REQ
82-A15728	5/8	10	Yes
82-A15726	3/8	25	Yes
82-A15727	1/2	25	Yes
82-A15725	1/4	25	Yes

Brass Tee – Three Way (Internal Branch)

PART NO	INLET FLARE SAE SIZE (IN)	OUTLET FLARE SAE SIZE (IN)	BRANCH FLARE SIZE (IN)	CASE QTY	CASE REQ
82-A06330	1/4	1/4	1/4	25	Yes

Brass Tee – Two Way (External Branch)

PART NO	INLET FLARE SAE SIZE (IN)	OUTLET FLARE SAE SIZE (IN)	BRANCH FLARE SIZE (IN)	CASE QTY	CASE REQ
82-A00345	1/4	1/4	1/8	25	Yes

Brass Elbows – 90 Degree

PART NO	FLARE SAE SIZE (IN)	NPTFE SIZE (IN)	CASE QTY	CASE REQ
82-A00335	1/4	1/8	25	Yes
82-A04890	1/4	1/4	25	Yes

BRASS FITTINGS

Brass Forged Flare Tube Nuts

PART NO	TUBE OD (IN)	CASE QTY	CASE REQ
82-A5051	1/4	50	Yes
82-A5052	3/8	25	Yes
82-A5053	1/2	15	Yes
82-A5157	5/8	10	Yes

PROTECTIVE CAPS

Protective Cap - Brass Serrated Head

PART NO	FLARE SAE SIZE (IN)	CASE QTY	CASE REQ
82-A16447	1/4	—	—

Brass Sealing Caps – Hex Head Flare Fitting

PART NO	FLARE SAE SIZE (IN)	CASE QTY	CASE REQ
82-A04544	1/4	50	Yes
82-A04545	3/8	25	Yes

COPPER FITTINGS

Copper Gaskets

PART NO	FLARE SAE SIZE (IN)	CASE QTY	CASE REQ
82-A00401	1/4	100	Yes
82-A00402	3/8	100	Yes

Copper Couplings

PART NO	HVACR FITTING SIZE (IN)	PLUMBING FITTING SIZE (IN)	CASE QTY	CASE REQ
82-21803-06	3/8	1/4	50	—
82-21803-08	1/2	3/8	50	—
82-21803-10	5/8	1/2	100	—
82-21803-12	3/4	5/8	50	—
82-21803-14	7/8	3/4	50	—
82-21803-18	1-1/8	1	25	—
82-21803-22	1-3/8	1-1/4	25	—

Copper Reducer Couplings

PART NO	HVACR FITTING INLET ID (IN)	HVACR FITTING OUTLET ID (IN)	PLUMBING FITTING INLET ID (IN)	PLUMBING FITTING OUTLET ID (IN)	CASE QTY	CASE REQ
82-21804-08	1/2	3/8	3/8	1/4	50	—
82-21804-10	5/8	1/2	1/2	3/8	100	—
82-21804-12	3/4	5/8	5/8	1/2	100	—
82-21804-14	7/8	3/4	3/4	5/8	100	—
82-21804-18	1-1/8	7/8	1	3/4	25	—
82-21804-22	1-3/8	7/8	1-1/4	3/4	10	—
82-21804-32	1-3/8	1-1/8	1-1/4	1	10	—

COPPER FITTINGS

Copper 90 Degree Street Elbows (Short Radius)

PART NO	HVACR FITTING SIZE (IN)	PLUMBING FITTING SIZE (IN)	CASE QTY	CASE REQ
82-21802-08	1/2	3/8	50	—
82-21802-10	5/8	1/2	50	—
82-21802-12	3/4	5/8	25	—
82-21802-14	7/8	3/4	25	—
82-21802-18	1-1/8	1	25	—
82-21802-22	1-3/8	1-1/4	25	—

Copper 45 Degree Street Elbows (Short Radius)

PART NO	HVACR FITTING SIZE (IN)	PLUMBING FITTING SIZE (IN)	CASE QTY	CASE REQ
82-21802-28	1/2	3/8	100	—
82-21802-30	5/8	1/2	50	—
82-21802-32	3/4	5/8	50	—
82-21802-34	7/8	3/4	25	—
82-21802-38	1-1/8	1	25	—
82-21802-42	1-3/8	1-1/4	10	—

COIL CLEANERS

PF-1101 Heavy Foaming Alkaline Condenser Coil Cleaner & Brightener

Preferred

- 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 NO	TYPE	APPLICATION	CONCENTRATION	FOAMING	RINSE REQUIRED	CONTAINER TYPE	CONTAINER SIZE	CASE QTY	CASE REQ
PF-1101	Alkaline	Condenser Coils	2:1 to 20:1	Yes - High Foam	Yes	Bottle	1 gallon	4	Yes

PF-H-BM01 Black Max Heavy Foaming Alkaline Coil Cleaner Brightener

Preferred

- Premium grade alkaline – expanding foam action
- Brightens better than normal alkaline cleaners
- Must be thoroughly rinsed with water
- Contains hazardous component potassium hydroxide
- Good ventilation, protective gloves, and eye protection required

PART NO	TYPE	APPLICATION	CONCENTRATION	FOAMING	RINSE REQUIRED	CONTAINER TYPE	CONTAINER SIZE	CASE QTY	CASE REQ
PF-H-BM01	Alkaline	Condenser Coils	3:1 to 20:1	Yes - High Foam	Yes	Bottle	1 gallon	4	Yes

PF-EC01 Enviro-Safe Coil Cleaner

Preferred

- No foaming action – only attacks dirt build-up, not metal
- Environmentally safe – cleans without damage to environment, personnel, or equipment
- Properly dilute with water according to label instructions before use:
  - 4:1 for condenser coils
  - 8:1 for heavy duty cleaning of evaporator coils
- Rinsing not required on evaporators – normal condensation will carry away dirt and contamination
- May irritate eyes and excessive contact should be avoided
- USDA accepted

PART NO	TYPE	APPLICATION	CONCENTRATION	FOAMING	RINSE REQUIRED	CONTAINER TYPE	CONTAINER SIZE	CASE QTY	CASE REQ
PF-EC01	Alkaline	Cond/Evap Coils	4:1 to 8:1	No	Yes (No at 8:1)	Bottle	1 gallon	4	Yes

COIL CLEANERS

PF-C02 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

PART NO	TYPE	APPLICATION	CONCENTRATION	FOAMING	RINSE REQUIRED	CONTAINER TYPE	CONTAINER SIZE	CASE QTY	CASE REQ
PF-C02	Alkaline	Evaporator Coils	Ready to use	No	No	Aerosol	18 oz.	12	Yes

SpeadFoam Heavy Foaming Alkaline Coil Cleaner

Designed for use with SpeedClean CoilJet and Condenser Needle, SpeedyFoam® acid-free coil cleaner delivers superior cleaning power without the harsh effects that other, caustic acid based cleaners have. Its ultra foaming action and clean fresh scent blasts away grime and debris leaving clean coils looking and smelling great.

PART NO	TYPE	APPLICATION	CONCENTRATION	FOAMING	RINSE REQUIRED	CONTAINER TYPE	CONTAINER SIZE	CASE QTY	CASE REQ
SC-FCC-1	Alkaline	Condenser/Evaporator Coils	6:1 to 10:1	Yes - High Foam	No	Bottle	1 gallon	—	—
SC-FCC-4X1	Alkaline	Condenser/Evaporator Coils	6:1 to 10:1	Yes - High Foam	No	Case/Four Bottles	1 gallon	—	—
SC-FCC-5	Alkaline	Condenser/Evaporator Coils	6:1 to 10:1	Yes - High Foam	No	Bottle	5 gallon	—	—

IAQ ASSURANCE PRODUCTS

ClenAir PurCool Condensate Pan Strips

- Keeps condensate drain pans clean and free flowing
- Prevents costly drain pan overflows
- Prevents drain pan rust and corrosion
- Eliminates foul drain pan odors
- Time-release formula lasts up to 6 months

PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-2001D	Condensate Pan Strips (0-5 Tons)	12	Yes
85-2003D	Condensate Pan Strips (5-8 Tons)	12	Yes

ClenAir Odor Neutralizer Gel Tubs

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

PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-1500	ClenAir Gel Tubs - 1/2 lb.	24	Yes
85-1500D	ClenAir Gel Tubs - 1/2 lb. w/Display	12	Yes
85-1501	ClenAir Gel Tubs - 1 lb.	12	Yes
85-1503	ClenAir Gel Tubs - 3 lbs.	4	Yes
85-1530	ClenAir Gel Pail - 30 lbs.	1	-
85-1800D	ClenAir CherryAir Gel Tubs - 1/2 lb.	12	Yes
85-1801	ClenAir CherryAir Gel Tubs - 1 lb.	12	Yes

ClenAir Odor Neutralizer Gel Bricks

- 85-1300C Wall Unit holds 85-1401 Gel Brick for wall mount application
- Adhesive tabs or screws for mounting included

PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-1300C	ClenAir Wall Unit	1	—
85-1401	ClenAir Gel Bricks - 1 lb.	12	Yes
85-1401W	ClenAir Gel Bricks w/Wall Unit - 1 lb.	1	—

IAQ ASSURANCE PRODUCTS

ClenAir Odor Neutralizer Liquid Spray

- Quickly neutralizes airborne odors
- Available either non-scented, mild citrus, or cherry scent
- Spray into ducts, on coils and drain pans, into rooms with foul odors, or onto fouled carpets and upholstery
- Use on fuel oil spills, in garbage areas, locker rooms etc.
- Pour down drains, spray into garbage cans or garbage storage areas
- Non-toxic, environmentally friendly, non-allergenic and non-staining

PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-1600D	ClenAir Spray w/Tray - 16 oz.	12	Yes
85-1610	ClenAir Spray Refill - 1 gallon	4	Yes
85-1700D	ClenAir Citrus Spray w/Tray - 16 oz.	12	Yes
85-1710	ClenAir Citrus Spray Refill - 1 gallon Citrus	4	Yes
85-1900D	ClenAir CherryAir Spray Counter Display - 16 oz.	12	Yes

LEAK DETECTORS

GAS LEAK DETECTORS (BUBBLE TYPE)

Gas Leak Detector

- Detects small and large leaks from pressurized gas systems (bubble-type leak detector)
- Applies directly to the suspected leak location
- Clings to vertical surfaces and the underside surfaces of pipes and tubes
- Rated for use to 27°F

PART NO	DESCRIPTION	CASE QTY	CASE REQ
PF-B32	Preferred Gas Leak Detector Spray Bottle - 32 oz.	12	Yes

Fluorescent Leak Detector

- Bubbles are fluorescent under UV
- Detects small and large leaks from pressurized gas systems (bubble-type leak detector)
- Applies directly to the suspected leak location
- Clings to vertical surfaces and the underside surfaces of pipes and tubes
- Rated for use to 0°F

PART NO	DESCRIPTION	CASE QTY	CASE REQ
PF-24	Preferred Fluorescent Leak Detector Bottle - 8 oz.	24	Yes

REFRIGERANT FLUORESCENT LEAK DETECTOR DYE & INJECTION TOOLS

Fluorescent Refrigerant Dye

- Injects directly into the refrigerant to assist in leak detection
- Glows in response to UV
- Meets or exceeds SAE J2297

PART NO	DESCRIPTION	CASE QTY	CASE REQ
53625	Fluorescent Refrigerant Dye (All Refrigerants/All Oils) - 2 oz.	6	Yes
92708	Fluorescent Refrigerant Dye (All Refrigerants/POE Oil) - 8 oz.	—	—

Cartridge Type Fluorescent Refrigerant Dye

PART NO	DESCRIPTION	CASE QTY	CASE REQ
53825-4	Dye Injector Cartridges - 2 oz. (Pack of 4)	—	—

LEAK DETECTORS

Injection Tool – Fluorescent Refrigerant Dye

- Refillable injector for fluorescent refrigerant dyes
- Includes one coupler for use with automotive AC and one coupler for HVAC
- Includes one 2 oz. bottle of dye

PART NO	DESCRIPTION	CASE QTY	CASE REQ
53123	Refrigerant Dye Injector - Refillable (w/2 oz. Concentrated Dye)	—	—

Injection Tool – Cartridge Type Fluorescent Refrigerant Dye

- Refillable injector for fluorescent refrigerant dyes
- Includes one coupler for use with automotive AC and one coupler for HVAC
- Includes one 2 oz. cartridge of dye

PART NO	DESCRIPTION	CASE QTY	CASE REQ
53223	Refrigerant Dye Injector - Cartridge Type	—	—

REFRIGERATION OILS

Preferred Vacuum Pump Oil

- Highly demulsifiable; separates from water in 25 minutes at 180ºF
- Loosens dirt and sludge and cleans pump
- Combination of additives makes for true anti-wear lubricant and lengthens pump life
- Anti-rust ingredient protects internal parts
- Convenient flip-top on quart bottle
- Filtered to 1 micron for high purity

PART NO	DESCRIPTION	CASE QTY	CASE REQ
PF-2600	Preferred Vacuum Pump Oil - 1 quart	12	Yes

INSECT & PEST SPRAYS

Ant & Insect Killer

- Contains the synthetic pyrethroid Permanone®; an aqueous stable microemulsion
- Controls ants, cockroaches, lice, and garden insects for up to four weeks
- For use on inanimate objects or on dogs or livestock and their premises; not for use on humans

PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-RA593	Ant & Insect Killer Aerosol - 17 oz.	12	Yes

Wasp & Hornet Spray

- Fast acting; kills wasps, bees, and hornets on contact
- 20-foot stream provides a safe point of attack
- Dielectric strength of 32,000 volts

PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-200	Wasp & Hornet Aerosol - 14 oz.	12	Yes

CLEANERS, DEGREASERS & DESCALERS

Preferred High Pressure Solvent Cleaner

An easy to use high velocity aerosol. Blasting action and powerful solvents loosens and removes grease and grime. Excellent for cleaning refrigeration condensers, electric equipment, and motors.

- Evaporates quickly and leaves no film
- Ideal for use where water cleanup is difficult
- Non-flammable
- Non-conductive; dielectric strength of 32,000 volts

PART NO	DESCRIPTION	CASE QTY	CASE REQ
PF-4101	Preferred High Pressure Solvent Cleaner Aerosol - 18 oz..	12	Yes

Preferred Nickel Safe Ice Machine Cleaner

- Removes slime and scale build-up and restores efficiency of ice machines
- Fast acting, non-foaming
- Nickel and stainless steel safe; meets Manitowoc spec. GES-6 for ice machine cleaner
- All food-grade ingredients

PART NO	DESCRIPTION	CASE QTY	CASE REQ
PF-316	Preferred Ice Machine Cleaner Bottle - 16 oz..	12	Yes

Nu Line Condensate Drain Line Build-up Remover

Penetrates the slime to coat the walls of the drain line helping the slime to break up, detach from the drain and slide out. It leaves a coating on the walls of the pipe to help prevent new slime from attaching to it for up to three months. Biodegradable and non-corrosive; will not harm metal drain pans.

PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-NL1-8	Nu Line Condensate Drain Line Build-up Remover - 8 oz.	24	Yes
85-NL2-32	Nu Line Condensate Drain Line Build-up Remover - 32 oz.	12	Yes

TOOLS & INSTRUMENTS

Brazing, Soldering & Welding Equipment
Vacuum Pumps & Gauges
Refrigerant Recovery Systems
Charging Scales
Refrigerant Service Manifolds, Gauges & Hoses
HVAC Instruments, Meters & Detectors
Valve Core & Superheat Measurement Tools
Temperature Measurement Tools
Wrenches, Pliers, Screwdrives & Hand Tools
Wire Strippers, Crimpers & Cutting Tools
Snips

Sheet Metal Tools
Duct Tools
Flaring & Swaging Tools
Tube Benders & Cutters
Saws, Knives & Blades
Plastic Pipe Cutters – PVC, PEX
Levels
Tape Measures
Caulking Guns
Flashlights
Tool Bags & Carriers
Sprayers
CoilJet Portable Coil Cleaner
BucketVac Job Site Vacuum

OUTFITS

Welding/Brazing Outfits

PART NO	VENDOR PART NO	HANDLE	CUTTING ATTACH	CUTTING TIP	BRAZING TIP/NOZZLE	TANK KEY	CARRYING STAND	OXYGEN CYL	FUEL CYL	OXYGEN REG	FUEL REG	HOSE	GOGGLES	ACETYL CK VALVE	OXYGEN CK VALVE	STRIKER
87-K23	K23	87-71	—	—	87-TYPE17#0 87-TYPE17#2	Yes	—	—	—	87-RO	87-RMC2	87-H32A	Yes	—	—	87-FL34
87-K23C	K23C	87-71	—	—	87-TYPE17#0 87-TYPE17#2	Yes	87-500S	—	—	87-RO	87-RMC2	87-H32A	Yes	—	—	87-FL34
87-K23P	K23P	87-71	—	—	87-TYPE17#0 87-TYPE17#2	Yes	87-511	—	—	87-RO	87-RMC2	87-H32A	Yes	—	—	87-FL34

Welding/Brazing Outfit – Cap n Hook

PART NO	VENDOR PART NO	HANDLE	CUTTING ATTACH	CUTTING TIP	BRAZING TIP/NOZZLE	TANK KEY	CARRYING STAND	OXYGEN CYL	FUEL CYL	OXYGEN REG	FUEL REG	HOSE	GOGGLES	ACETYL CK VALVE	OXYGEN CK VALVE	STRIKER
87-K22C	K22C	87-71	—	—	87-TYPE#2	Yes	87-500S	—	—	87-RO	87-RMC2	87-H32A	Yes	—	—	87-FL3

Welding/Brazing/Cutting Outfits

PART NO	VENDOR PART NO	HANDLE	CUTTING ATTACH	CUTTING TIP	BRAZING TIP/NOZZLE	TANK KEY	CARRYING STAND	OXYGEN CYL	FUEL CYL	OXYGEN REG	FUEL REG	HOSE	GOGGLES	ACETYL CK VALVE	OXYGEN CK VALVE	STRIKER
87-KL71-4	KL71-4	87-71	Yes	Yes	87-TYPE17#0 87-TYPE17#1, 87-TYPE17#2	Yes	—	—	—	87-RO	87-RMC2	87-H32A	Yes	—	—	87-FL34
87-KLC100P	KLC100P	87-71	Yes	Yes	87-TYPE17#0 87-TYPE17#2	Yes	87-511	—	—	Yes	Yes	87-H32A	Yes	—	—	87-FL34

OUTFITS

Welding/Brazing/Cutting Outfits

PART NO	VENDOR PART NO	HANDLE	CUTTING ATTACH	CUTTING TIP	BRAZING TIP/NOZZLE	TANK KEY	CARRYING STAND	OXYGEN CYL	FUEL CYL	OXYGEN REG	FUEL REG	HOSE	GOGGLES	ACETYL CK VALVE	OXYGEN CK VALVE	STRIKER
0386-1320	CST-P	Yes	—	—	0387-0040 0387-0042	—	Yes (MC & R)	—	—	Yes	Yes	0386-1094	Yes	Yes	Yes	Yes
0386-1321	CST-PT	Yes	—	—	0387-0040 0387-0042	Yes	Yes (MC & R)	Type R	Type MC	Yes	Yes	0386-1094	Yes	Yes	Yes	Yes
0386-1322	CST-CP	Yes	Yes	Yes	0387-0040 0387-0042	—	Yes	—	—	Yes	Yes	0386-1094	Yes	Yes	Yes	Yes
0386-1323	CST-CPT	Yes	Yes	Yes	0387-0040 0387-0042	Yes	Yes (MC & R)	Type R	Type MC	Yes	Yes	0386-1094	Yes	Yes	Yes	Yes
0386-1324	CST-CM	Yes	Yes	Yes	0387-0040 0387-0042	—	Yes (MC & R)	—	—	Yes	Yes	0386-1094	Yes	Yes	Yes	Yes
0386-1325	CST-150C	Yes	Yes	Yes	0387-0040 0387-0042	—	—	—	—	Yes	Yes	0386-1094	Yes	Yes	Yes	Yes
0386-1326	CST-150	Yes	Yes	Yes	0387-0040 0387-0042	—	—	—	—	Yes	Yes	0386-1094	Yes	Yes	Yes	Yes

TORCH KITS

87-89600 (89600) Air/Acetylene Torch Kit

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
87-89600	89600	3	1-5/8	87-TH6	87-H12	87-RB	87-A-3	RB

0386-0335 (X-3B) Air/Acetylene Torch Kit

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0335	X-3B	3	1-5/8	0386-0308	0386-1090	0386-0725	0386-0101	B

0386-0336 (X-4B) Air/Acetylene Torch Kit

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0336	X-4B	3-1/2	2	0386-0308	0386-1090	0386-0725	0386-0102	B

TORCH KITS

0386-0338 (X-5B) Air/Acetylene Torch Kit

TurboTorch

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0338	X-5B	1-1/2	3/4	0386-0308	0386-1090	0386-0725	0386-0102	B

0386-0339 (X-6MC) Air/Acetylene Torch Kit

TurboTorch

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0339	X-6MC	2	1	0386-0308	0386-1090	0386-0726	0386-0101	MC

0386-0832 (PL-5ADLX-MC) Air/Acetylene Torch Kit – Self-Igniting

TurboTorch

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0832	PL-5ADLX-MC	1-1/2	3/4	0386-0308	0386-1090	0386-0726	Self-Igniting 3/16 in.	MC

0386-0833 (PL-5ADLX-B) Air/Acetylene Torch Kit – Self-Igniting

TurboTorch

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0833	PL-5ADLX-B	1-1/2	3/4	0386-0308	0386-1090	0386-0725	Self-Igniting 3/16 in.	B

0386-0834 (PL-8ADLX-MC) Air/Acetylene Torch Kit – Self-Igniting

TurboTorch

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0834	PL-8ADLX-MC	2	1	0386-0308	0386-1090	0386-0726	Self-Igniting 5/16 in.	MC

0386-0835 (PL-8ADLX-B) Air/Acetylene Torch Kit – Self-Igniting

TurboTorch

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0835	PL-8ADLX-B	2	1	0386-0308	0386-1090	0386-0725	Self-Igniting 5/16 in.	B

TORCH KITS

0386-0836 (PL-12ADLX-B)
Air/Acetylene Torch Kit – Self-Igniting

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0836	PL-12ADLX-B	3-1/2	2	0386-0308	0386-1090	0386-0725	Self-Igniting 3/8 in.	B

0426-0011 (TDLX2003)
Air/Acetylene Torch Kit w/Carrying Stand – Self-Igniting

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0426-0011	TDLX2003	2	1/2 to 1	0386-0308	0386-1090	0386-0726	0386-0103	MC

0386-0574 (TDLX2003B)
Air/Acetylene Torch Kit w/Carrying Tote – Self-Igniting

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0574	TDLX2003B	1/4 to 2	1/8 to 1	0386-0308	0386-1090	0386-0725	0386-0101	B

HAND TORCH KITS

Propane/MAPP Hand Torch Kit

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
87-RP3T5	RP3T5	Up to 1	Up to 5/8	Up to 1-1/2	Up to 7/8

Propane/MAPP Hand Torch Kit – Self-Igniting

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
87-RP3T6	RP3T6	Up to 1	Up to 5/8	Up to 1-1/2	Up to 7/8

0386-0403 (STK-9) Propane/MAPP Hand Torch Kit

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-0403	STK-9	1/4 to 3	1/4 to 1	1/4 to 3-1/2	1/4 to 1-3/4	0386-0171

HAND TORCH KITS

0386-0575 (STK-31) Propane/MAPP Hand Torch Kit

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-0575	STK-31	Up to 3	Up to 1	Up to 3-1/2	Up to 1-3/4	0386-0170

0386-1283 (STK-11)
Propane/MAPP Hand Torch Kit – Double Tip

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-1283	STK-11	1 to 4	1/2 to 2	1-1/2 to 2	3/4 to 3	0386-1282

0386-0851 (STK-99)
Propane/MAPP Hand Torch Kit – Self-Igniting

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-0851	STK-99	1/4 to 3	1/4 to 1	1/4 to 3-1/2	1/4 to 1-3/4	0386-0850

0386-1293 (TX504)
Propane/MAPP Hand Torch Kit – Self-Igniting

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-1293	TX504	3/4 to 3	1/4 to 1	3/4 to 4	1/4 to 1-1/4	0386-1296

0386-1297 (TX503)
Propane/MAPP Hand Torch Kit – Self-Igniting

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-1297	TX503	1/8 to 2	1/16 to 3/4	1/8 to 3	1/16 to 1	0386-1298

0386-1299 (TX500)
Propane/MAPP Hand Torch Kit – Self-Igniting

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-1299	TX500	1/8 to 3	1/16 to 1	1/8 to 4	1/16 to 1-1/4	0386-129

HAND TORCH KITS

0386-0170 (ST-1) Propane/MAPP Tip

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-0170	ST-1	1/8 to 1/2	1/8 to 3/8	1/8 to 3/4	1/8 to 1/2

0386-0171 (ST-3) Propane/MAPP Tip

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-0171	ST-3	1/4 to 3	1/4 to 1	1/4 to 3-1/2	1/4 to 1-3/4

0386-1282 (ST-11) Propane/MAPP Tip

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-1282	ST-11	1 to 4	1/2 to 2	1-1/2 to 6	3/4 to 3

0386-1296 (T-504) Propane/MAPP Tip

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-1296	T-504	3/4 to 3	1/4 to 1	3/4 to 4	1/4 to 1-1/4

0386-1298 (T-503) Propane/MAPP Tip

TurboTorch

PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-1298	T503	1/8 to 2	1/16 to 3/4	1/8 to 3	1/16 to 1

Oxy/Acetylene Brazing Nozzles

TurboTorch

PART NO	TIP SIZE (IN)	OXY/ACETYL SILVER BRAZE COPPER TUBE SIZE (IN)	USED WITH HANDLE
0387-0040	0	1/4 to 1	0386-0311
0387-0039	00	1/8 to 3/4	0386-0311
0387-0041	1	1/4 to 1-1/4	0386-0311
0387-0042	2	1/2 to 1-1/2	0386-0311
0387-0043	3	3/4 to 1-3/4	0386-0311
0325-0087	4	3/4 to 2	0386-0311

ACETYLENE TIPS

Acetylene Twister Tips

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
87-A-11	A-11	1-1/4 to 3	7/8 to 1-5/8
87-A-3	A-3	Up to 1	Up to 1/2
87-A-5	A-5	3/4 to 1-1/2	1/4 to 3/4
87-A-8	A-8	1 to 2	1/2 to 1

Type17 Weld/Braze Tips

PART NO	VENDOR PART NO	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	WELDING MATERIAL THICKNESS (IN)
87-TYPE17#0	TYPE 17#0	1/2	5/64
87-TYPE17#2	TYPE 17#2	1	1/8
87-TYPE17#3	TYPE 17#3	1-1/2	3/16
87-TYPE17#4	TYPE 17#4	2	1/4

Micro 6000 Miniature Tips

PART NO	VENDOR PART NO	OXY/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
87-MTW#2	MTW#2	Up to 1

Rosebud Heating Tips

PART NO	VENDOR PART NO	OXY/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
87-TYPE17#15	TYPE 17#15	1/8 to 2-5/8
87-TYPE17-30	TYPE 17#30	1/2 to 6

Extreme Standard Tips

PART NO	VENDOR PART NO	TIP SIZE (IN)	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
0386-0100	A-2	1/8	1/8 to 1/2	1/8 to 1/4
0386-0101	A-3	3/16	1/4 to 1	1/8 to 1/2
0386-0102	A-5	1/4	3/4 to 1-1/2	1/4 to 3/4
0386-0103	A-8	5/16	1 to 2	1/2 to 1
0386-0104	A-11	7/16	1-1/2 to 3	7/8 to 1-5/8
0386-0105	A-14	1/2	2 to 3-1/2	1 to 2
0386-0106	A-32	3/4	4 to 6	1-1/2 to 4

Extreme Self-Igniting Tips

PART NO	VENDOR PART NO	TIP SIZE (IN)	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
0386-0818	PL-5A	3/16	3/4 to 1-1/2	1/4 to 3/4
0386-0874	PL-3A	1/4	1/4 to 1	1/8 to 1/2
0386-0819	PL-8A	5/16	1 to 2	1/2 to 1
0386-0820	PL-12A	3/8	2 to 4	1 to 2

TORCH HANDLES

87-TH6 (TH6) Air/Acetylene Torch Handle

PART NO	VENDOR PART NO	FUEL	HOSE CONNECTION
87-TH6	TH6	Air/Acetylene	A-LH (3/8-24)

87-71 (71) Oxy/Acetylene Torch Handle

PART NO	VENDOR PART NO	FUEL	HOSE CONNECTION
87-71	71	Oxy/Acetylene	A- LH (3/8-24) and A-RH (3/8-24)

Check Valve for Torch/Welding Handles

Provides protection against reverse flow of gases, but not flame flashback.

PART NO	VENDOR PART NO	DESCRIPTION
87-TCVA	TCVA	Check Valves [A-LH (3/8-24) and A-RH (3/8-24)]

0386-0308 (G4) Oxy/Acetylene Torch Handle

PART NO	VENDOR PART NO	FUEL	HOSE CONNECTION
0386-0308	G4	Air/Acetylene	A-LH (3/8-24)

0386-0311 (103-01FP) Oxy/Acetylene Torch Handle

PART NO	VENDOR PART NO	FUEL	HOSE CONNECTION
0386-0311	103-01FP	Oxy/Acetylene	A- LH (3/8-24) and A-RH (3/8-24)

CUTTING TOOLS

Cutting Attachment – Oxy/Acetylene

PART NO	VENDOR PART NO	DESCRIPTION
87-CA550	CA550	Cutting Attachment - Oxy/Acetylene

Cutting Tip – Oxy/Acetylene

PART NO	VENDOR PART NO	DESCRIPTION
87-5-101#OD	5-101#OD	Oxy/Acetylene Cutting Tip

Cutting Attachment – Oxy/Acetylene

PART NO	DESCRIPTION
0387-0003	Cutting Attachment - Oxy/Acetylene (CA1260-CS)

REGULATORS

Regulators – Acetylene

PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
87-RB	Acetylene	400 (Full)	—	2 to 15	1-1/2	520	A-LH (3/8-24)
87-RMC2	Acetylene	400 (Full)	30	2 to 15	1-1/2	200	A-LH (3/8-24)

Regulators – Nitrogen

PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
87-R1563	Nitrogen	4000	300	5 to 175	1-1/2	580	1/4 SAE male

Regulators – Nitrogen/CO2

PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
87-RHP400	Nitrogen, CO2	4000	600	20 to 400	1-1/2	580	1/4 SAE male
87-RHP500	Nitrogen, CO2	4000	600	20 to 500	1-1/2	580	1/4 SAE male

Regulators – Oxygen

PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
87-RO	Oxygen	4000	100	2 to 60	1-1/2	540	A-RH (3/8-24)

Regulators – Acetylene (MC or B Tanks)

PART NO	VENDOR REF NO	FUEL	INLET CONNECT (CGA)	OUTLET CONNECTION
0386-0725	AR-B	Acetylene	(Fits B tank)	A-LH (3/8-24)
0386-0726	AR-MC	Acetylene	(Fits MC tank)	A-LH (3/8-24)

Regulators – Acetylene

PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
0386-0784	Acetylene	400	30	2 to 15	1-1/2	200	A-LH (3/8-24)

Regulators – Nitrogen

PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
0386-0814	Nitrogen	4000	600	0 to 500	1-1/2	580	1/4 SAE male

BRAZING, SOLDERING & WELDING EQUIPMENT

REGULATORS

Regulators – Oxygen

PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
0386-0786	Oxygen	4000	100	4 to 80	1-1/2	540	A-RH (3/8-24)

GAUGES

Gauges

PART NO	VENDOR PART NO	FUEL	MAXIMUM PRESSURE (PSIG)	GAUGE DIAMETER (IN)	STEEL CASE COLOR	PROTECTIVE BOOT	THREAD SIZE NPT (IN)
87-G15-D	G15-D	Acetylene	30	1-1/2	Red	Yes	1/8
87-G19-D	G19-D	Acetylene	400 (Full)	1-1/2	Red	Yes	1/8
87-G49-D	G49-D	—	100	1-1/2	Green	Yes	1/8
87-G7SD	G7SD	—	4,000	1-1/2	Gold	—	1/8
87-G56-D	G56-D	—	4,000	1-1/2	Green	Yes	1/8
87-G8D	G8D	—	600	1-1/2	Brass	—	1/8

HOSES

Acetylene Hoses – Uniweld

PART NO	VENDOR PART NO	FITTING TYPE	HOSE LENGTH (FT)
87-H12	H12	A-LH (3/8-24)	12-1/2

Acetylene Hoses – TurboTorch

PART NO	VENDOR PART NO	FITTING TYPE	HOSE LENGTH (FT)
0386-1090	AH-12	A-LH (3/8-24)	12
0386-1091	AH-24	A-LH (3/8-24)	24

HOSES

Oxy/Acetylene Hose Sets – Uniweld

PART NO	VENDOR PART NO	FITTING TYPE	HOSE LENGTH (FT)
87-H32A	H32A	A-LH (3/8-24) and A-RH (3/8-24)	12-1/2

Oxy/Acetylene Hose Sets – TurboTorch

PART NO	VENDOR PART NO	FITTING TYPE	HOSE LENGTH (FT)
0386-1094	252-03P	A-LH (3/8-24) and A-RH (3/8-24)	12-1/2

TANK CARRYING STANDS

Tank Carrying Stand – One B Tank

PART NO	VENDOR PART NO	DESCRIPTION
87-502	502	Tank Carrying Stand - One B Tank

Tank Carrying Stand – One MC Tank & One R Tank

PART NO	VENDOR PART NO	DESCRIPTION
87-500S	500S	Tank Carrying Stand - One MC Tank & One R Tank

Tank Carrying Stand – One MC, PDC, or MDC Tank & One R Tank

PART NO	VENDOR PART NO	DESCRIPTION
87-511	511	Tank Carrying Stand - One MC, PDC, or MDC Tank & One R Tank

Tank Carrying Stand – One 40/55 cu. ft. Nitrogen Tank or One 10 lb. CO2 Tank

PART NO	VENDOR PART NO	DESCRIPTION
87-516	516	Tank Carrying Stand - One 40/55 cu. ft. Nitrogen Tank or One 10 pound CO2 Tank

Tank Carrying Handle – One B Tank

PART NO	VENDOR REF NO	DESCRIPTION
1421-0016	TT-150 B	Tank Carrying Handle - One B Tank

TANK CARRYING STANDS

Tank Carrying Stand – One B Tank

PART NO	VENDOR REF NO	DESCRIPTION
1421-0034	TT-B	Tank Carrying Stand - One B Tank

Tank Carrying Stand – One MC Tank & One R Tank

PART NO	VENDOR REF NO	DESCRIPTION
1421-0036	TT-MCR	Tank Carrying Stand - One MC Tank & One R Tank

Tank Carrying Stand – One MC Tank & One R Tank (Turbo Tote)

PART NO	VENDOR REF NO	DESCRIPTION
0386-1241	—	Tank Carrying Stand - One MC Tank & One R Tank (Turbo Tote)

Tank Carrying Stand – One MC Tank or One MT-1 MAPP Tank

PART NO	VENDOR REF NO	DESCRIPTION
1421-0035	TT-MC	Tank Carrying Stand - One MC Tank or One MT-1 MAPP Tank

87-BG1 (BG1) Blow Gun

PART NO	VENDOR PART NO	DESCRIPTION
87-BG1	BG1	Blow Gun

BRAZING, SOLDERING & WELDING EQUIPMENT

Nitrogen Blow Gun Kits

TurboTorch

PART NO	DESCRIPTION
0386-1234	Nitrogen Purge & Blow Gun Kit - Fits 20 Cu. Ft. Tank Not Included (NPK-20)
0386-1236	Nitrogen Purge & Blow Gun Kit - Fits 40 Cu. Ft. Tank Not Included (NPK-40)
0426-0009	Nitrogen Purge & Blow Gun Kit - Includes 40 Cu. Ft. Tank (SKP-40T)

Flint Lighters

UNIWELD

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
87-FL3437	FL3437	Flint Lighter w/5 Spare Flints	—	—
87-FL34	FL34	Flint Lighter	10	Yes

SOLDERING IRONS & GUNS

Soldering Irons

Weller

- Stainless steel barrel
- Lightweight heat and impact resistant pencil handle
- Power indicator light

PART NO	INPUT VOLTAGE (V)	OUTPUT (W)	TEMP RANGE (°F)	LENGTH (IN)	COMPONENTS INCLUDED
87-SP23L	120	25	750	8-1/4	Replaceable - Includes MT1 1/8 in. Nickel plated copper tip
87-SP40L	120	40	900	8-1/4	Replaceable - Includes MT10 1/4 in. Nickel plated copper tip

Soldering Guns

Weller

- Fingertip trigger selects high (1st position) or low output (2nd position)
- Efficient tin-plated copper tip
- Light illuminates work

PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	OUTPUT (W)	TEMP RANGE (°F)
87-D550	D550	120	260/200	1100/900

VACUUM PUMPS & GAUGES

VACUUM PUMPS – MASTERCOOL

Mastercool "World Class Quality"

Vacuum Pumps – Two Stage

PART NO	VENDOR PART NO	NO OF STAGES	FREE AIR DISPLACEMENT (CFM)	ULTIMATE VACUUM (MICRONS HG)	HORSE POWER (HP)	NOMINAL PUMP SPEED (RPM)	INLET PORTS	SUPPLY VOLTAGE (V)	WEIGHT (LBS)
87-90060	90060	2	1.5	50	1/6	3450	1/4 in. SAE, 1/2 in. ACME	120	12
90065	90065	2	5	25	1/3	1725	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120	32
90066-2V-110	90066-2V-110	2	6	15	1/3	3440	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120	25
90067	90067	2	7.5	25	1/2	1725	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120	34
90070-2V-110	90070-2V-110	2	10	12	1/2	3440	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120	33

Vacuum Pumps – Single Stage

PART NO	VENDOR PART NO	NO OF STAGES	FREE AIR DISPLACEMENT (CFM)	ULTIMATE VACUUM (MICRONS HG)	HORSE POWER (HP)	NOMINAL PUMP SPEED (RPM)	INLET PORTS	SUPPLY VOLTAGE (V)	WEIGHT (LBS)
90062	90062	1	2	70	1/3	1725	1/4 in. SAE, 1/2 in. ACME	120	28

REFRIGERANT RECOVERY SYSTEMS

69000 Refrigerant Recovery System

PART NO	VENDOR PART NO	MAX RECOVERY RATE DIRECT VAPOR (LBS/MIN)	MAX RECOVERY RATE DIRECT LIQUID (LBS/MIN)	MAX RECOVERY RATE PUSH-PULL LIQUID (LBS/MIN)	MAXIMUM WORKING PRESSURE (PSI)	SUPPLY VOLTAGE (V)	HORSE POWER (HP)	WEIGHT (LBS)
69000	69000	0.75	2.50	12	500	120	1/2	38

CHARGING SCALES

98210 (98210-A) Charging Scales – Programmable

- Allows user to program desired quantities; before charge is complete, an alarm sounds allowing ample time to turn off refrigerant supply
- Tank capacity programming feature allows user to know the amount of refrigerant in the tank at any time
- Repeat feature allows user to charge previously stored amount

PART NO	VENDOR PART NO	PROGRAMMABLE	CAPACITY (LBS)	ACCURACY (%)	RESOLUTION (OZ)	BATTERY
98210	98210	Yes	240	0.1	+/- 0.32	One 9 VDC

98230 Charging Scale Solenoid Module for 928210 (928210-A)

This module turns the 98210 scales into automatic programmable scales by allowing the user to control the exact amount of refrigerant being transferred. Also allows pausing of refrigerant transfer. The compact design is battery powered (9V), lightweight, portable and works with all types of refrigerant. Includes a short hose for tank connection, USB cord and 1/4 inch SAE x 1/2 inch ACME adapter.

PART NO	VENDOR PART NO	DESCRIPTION
98230	98230	Charging Scale Solenoid Module

REFRIGERANT SERVICE MANIFOLDS, GAUGES & HOSES

SERVICE MANIFOLDS & GAUGES

Digitial Aluminum Service Manifolds & Gauges

Large easy to read LCD displays pressures, saturated temperatures, actual temperatures, superheat and subcooling temperatures for over 60 refrigerants. When used with the clamp-on thermocouple connector, it will display the actual temperature and automatically calculates the superheat or subcool temperature. When the vacuum sensor cable is attached to the manifold it will display deep vacuum. To ensure lasting performance and durability, the manifold case is constructed of ABS material and protected by a rugged rubber boot.

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
99661-A	99661-A	All	psi, in. Hg, Bar, MPa, kg/sq. cm	F,C	2-Way	Aluminum	Manifold, Standard Hoses, Vacuum Sensor, Thermocouple, Case	5	—	Digital	Yes
99103	99103	All	psi, in. Hg, Bar, MPa, kg/sq. cm	F,C	2-Way	Aluminum	Manifold only	—	—	Digital	Yes

REFRIGERANT SERVICE MANIFOLDS, GAUGES & HOSES

Aluminum Ball Valve Service Manifold & Gauges (4-Way)

- Stainless steel ball valve design controls flow smoothly and quickly with only a quarter turn
- Silicone dampened gauges smooth out needle movement

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
95361	95361	R-12, R-22, R-502	psi	F	4-Way	Aluminum	Standard w/Anti-Blowback Fittings	5	3-1/8	Dry	Yes

Aluminum Ball Valve Service Manifold & Gauges (3-Way)

- Stainless steel ball valve design controls flow smoothly and quickly with only a quarter turn
- Silicone dampened gauges smooth out needle movement

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
59861	59861	R-22, R-404A, R-410A	psi	F	3-Way	Aluminum	Premium w/Ball Valves	5	3-1/8	Dry	Yes

Aluminum Service Manifolds & Gauges

- Free-floating piston type valves reduce O-Ring wear
- Silicone dampened gauges smooth out needle movement

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
95661	95661	R-12, R-22, R-502	psi	F	2-Way	Aluminum	Standard w/Anti-Blowback Fittings	5	2-1/2	Dry	Yes
57161	57161	R-22, R-404A, R-410A	psi	F	2-Way	Aluminum	Premium w/Standard Fittings	5	3-1/8	Dry	Yes

SERVICE MANIFOLDS & GAUGES

Brass Service Manifolds & Gauges

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
87-33636	33636	R-12, R-22, R-502	psi	F	2-Way	Brass	Standard w/Standard Fittings	3	2-1/2	Dry	No
33661	33661	R-12, R-22, R-502	psi	F	2-Way	Brass	Standard w/Standard Fittings	5	2-1/2	Dry	No
35161	35161	R-12, R-22, R-502	psi	F	2-Way	Brass	Standard w/Anti-Blowback Fittings	5	3-1/8	Dry	No
59161	59161	R-22, R-404A, R-410A	psi	F	2-Way	Brass	Premium w/Standard Fittings	5	3-1/8	Dry	No
59261	59261	R-22, R-404A, R-410A	psi	F	2-Way	Brass	Premium w/Ball Valves	5	3-1/8	Dry	No

REFRIGERANT SERVICE MANIFOLDS, GAUGES & HOSE

REFRIGERANT GAUGES

Refrigerant Gauges – Mastercool

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	FITTING SIZE (IN)	GAUGE DIA (IN)	GAUGE TYPE	GAUGE USAGE
87-RGCH	RGCH	R-12, R-22, R-502	psi	F	1/8 NPT	2-1/2	Dry	High Side
87-RGRH	RGRH	R-410A	psi, kPa	F,C	1/8 NPT	3-1/8	Glycerin Filled	High Side
87-RGCL	RGCL	R-12, R-22, R-502	psi	F	1/8 NPT	2-1/2	Dry	Low Side

Gauge Protector Set

- Unique ribbing deadens bumps and deflects shocks
- Fits 3-1/8 inch diameter gauges

PART NO	VENDOR PART NO	DESCRIPTION
91553	91553	Gauge Protector Set - Red & Blue (For 3-1/8 in. diameter gauges)

REFRIGERANT CHARGING HOSES

Refrigerant Charging Hoses – Standard Fittings

PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
40336	40336	Set of 3	1/4 SAE	3	Standard	750	3000	Blue, Red, Yellow
40360	40360	Set of 3	1/4 SAE	5	Standard	750	3000	Blue, Red, Yellow
40372	40372	Set of 3	1/4 SAE	6	Standard	750	3000	Blue, Red, Yellow
48604	48604	Single	3/8 SAE	5	Standard	800	4000	Black
41601	41601	Single	1/4 SAE	5	Standard	750	3000	Blue
41603	41603	Single	1/4 SAE	5	Standard	750	3000	Red
41602	41602	Single	1/4 SAE	5	Standard	750	3000	Yellow

Refrigerant Charging Hoses – Anti-Blowback Fittings

Automatic sealing valve eliminates refrigerant loss and blowback.

PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
45360	45360	Set of 3	1/4 SAE	5	Anti-Blowback	750	3000	Blue, Red, Yellow
46360	46360	Set of 3	1/4 SAE	5	Anti-Blowback	800	4000	Blue, Red, Yellow
45601	45601	Single	1/4 SAE	5	Anti-Blowback	750	3000	Blue
45603	45603	Single	1/4 SAE	5	Anti-Blowback	750	3000	Red
45602	45602	Single	1/4 SAE	5	Anti-Blowback	750	3000	Yellow

Refrigerant Hose Extensions with Ball Valves

PART NO	VENDOR PART NO	DESCRIPTION
66434R	66434R	Adapter - 1/4 in.SAE x 16 mm Automotive Quick Connect Coupler (R-134a - High Side)
66534R	66534R	Adapter - 1/4 in. SAE x 13 mm Automotive Quick Connect Coupler (R-134a - Low Side)

Adapters – 1/4 in. SAE x Automotive Quick Connect (R-134a)

PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
90262	90262	Set of 3	1/4 SAE	—	Straight	750	3000	Blue, Red, Yellow
90263-R	90263-R	Single	1/4 SAE	—	45 degree	750	3000	Blue
90265-R	90265-R	Single	1/4 SAE	—	45 degree	750	3000	Red
90264-R	90264-R	Single	1/4 SAE	—	45 degree	750	3000	Yellow

ELECTRONIC REFRIGERANT LEAK DETECTORS

55100 Electronic Leak Detector

- Three sensitivity ranges
- Detects all CFC, HCFC and HFC refrigerants
- Minimum leak rate detection capability: 1/10 oz./year
- LED visual indicator
- 16 inch long cable probe
- Includes a custom molded carrying case

PART NO	VENDOR PART NO	DESCRIPTION
55100	55100	Electronic Leak Detector

ELECTRONIC/UV REFRIGERANT LEAK DETECTORS

55200 Electronic/UV Leak Detector Kit

- Combines electronic and UV leak detection in one tool
- Six sensitivity ranges
- Detects all CFC, HCFC and HFC refrigerants
- Minimum leak rate detection capability: 1/10 oz./year
- LED visual indicator
- 16 inch long cable probe
- Includes a custom molded carrying case

PART NO	VENDOR PART NO	DESCRIPTION
55200	55200	Electronic/UV Leak Detector Kit

55300 Electronic/UV Leak Detector with Cartridge Type Dye Injector

Same as 55200 except includes cartridge type dye injector.

PART NO	VENDOR PART NO	DESCRIPTION
55300	55300	Electronic/UV Leak Detector Kit with Cartridge Type Dye Injector

UV REFRIGERANT LEAK DETECTORS

53400 UV Leak Detector Kit

- 50W rechargeable UV detector for use with refrigeration dyes
- Rechargeable battery with 120V charger
- Kit includes UV glasses and carrying case

PART NO	VENDOR PART NO	DESCRIPTION
53400	53400	UV Leak Detector Kit

53450 UV Leak Detector Kit with Refillable Dye Injector

Same as 53400 except includes refillable dye injector.

PART NO	VENDOR PART NO	DESCRIPTION
53450	53450	UV Leak Detector Kit with Refillable Dye Injector

UV REFRIGERANT LEAK DETECTORS

53450-C UV Leak Detector Kit with Cartridge Type Dye Injector

Same as 53400 except includes cartridge type dye injector.

PART NO	VENDOR PART NO	DESCRIPTION
53450-C	53450-C	UV Leak Detector Kit with Cartridge Type Dye Injector

REPLACEMENT SENSORS FOR REFRIGERANT LEAK DETECTORS

Replacement Sensor for 55100 and 55200

PART NO	VENDOR PART NO	DESCRIPTION
55100-SEN	55100-SEN	Replacement Sensor for 55100 and 55200

875026 (0632 3170) Electronic Flue Gas Spillage Detector (317)

Gives off a visible and audible alarm when heating flue gases are detected. Flexible 8 inch probe for inaccessible locations.

PART NO	VENDOR PART NO	DESCRIPTION
875026	0632 3170	Electronic Flue Gas Spillage Detector (317)

875036 (0632 3173) CO Monitor (317-3)

- Detect the presence of carbon monoxide (CO) in ambient air and warns user with both visual and audible alarm
- Detection range 0 to 1,999 ppm; resolution 1 ppm
- Reaction time of 40 seconds
- Includes carrying pouch and earphone

PART NO	VENDOR PART NO	DESCRIPTION
875036	0632 3173	CO Monitor (317-3)

875043 (0560 0610) Pocket Air Velocity, Temperature, Humidity Meter (410-2)

- Airflow ranges from 80 to 4000 ft./min; temperature range 14 to 122°F; humidity range 0 to 100% RH
- Measures air velocity, temperature, relative humidity, wet bulb temperature and dew point
- Includes carrying pouch

PART NO	VENDOR PART NO	DESCRIPTION
875043	0560 4102	Pocket Air Velocity/Temperature/Humidity Meter (410-2)

875044 (0560 0510) Pocket Digital Manometer (510)

- Pressure range to 44.15 in. W.C.
- Scales in Pa, hPa, mBar, mm W.C., in. W.C, mm Hg, in. Hg and psi
- Easy to use one button operation
- Includes magnet for mounting during measurements
- Includes carrying pouch

PART NO	VENDOR PART NO	DESCRIPTION
875044	0560 0510	Pocket Digital Manometer (510)

HVAC INSTRUMENTS, METERS & DETECTORS

875042 (0560 0610) Pocket Temperature, Humidity Meter (610)

- Measures temperature and relative humidity
- Temperature range 14 to 122°F; humidity range 0 to 100% RH
- Humidity scales in %RH and wet bulb
- Includes carrying pouch

PART NO	VENDOR PART NO	DESCRIPTION
875042	0560 0610	Pocket Temperature/Humidity Meter (610)

875041 (0560 0810) Pocket Temperature Meter (810)

- Simultaneously measures temperatures using both IR and ambient air
- Temperature range -58 to 660°F
- Includes carrying pouch

PART NO	VENDOR PART NO	DESCRIPTION
875041	0560 0810	Pocket Temperature Meter (810)

52245 Digital Pressure/Temperature Chart

- Pocket sized device offers fast and accurate temperature references on a large easy to read LCD display
- Includes charts for sixty refrigerants
- Pressure charts in psi, Bar and MPa; temperature in F and C

PART NO	VENDOR PART NO	DESCRIPTION
52245	52245	Digital Pressure/Temperature Chart

VALVE CORE & SUPERHEAT MEASUREMENT TOOLS

SUPERHEAT MEASUREMENT SETS

91499 Superheat Measurement Kit

Combines a core removal tool and thermometer to create a reliable and accurate way to measure superheat; allows temperature probe to directly measure refrigerant temperature.

PART NO	VENDOR PART NO	DESCRIPTION
91499	91499	Superheat Measurement Kit

VALVE CORE REMOVAL TOOLS

91490 Valve Core Removal Tool

- Permits valve core replacement with minimal refrigerant loss
- Connects to any 1/4 inch SAE male flare service port
- Uses a reliable 1/4 turn ball valve design to shut-off and control refrigerant flow

PART NO	VENDOR PART NO	DESCRIPTION
91490	91490	Valve Core Removal Tool

91496 Valve Core Removal Tool

- Permits valve core replacement with minimal refrigerant loss
- Connects to any 1/4 inch SAE male flare service port
- Uses a reliable 1/4 turn ball valve design to shut-off and control refrigerant flow
- Includes a 1/4 inch SAE male flare service port to allow refrigerant recovery or recharge, system evacuation and system pressure measurement

PART NO	VENDOR PART NO	DESCRIPTION
91496	91496	Valve Core Removal Tool

MULTI-INPUT DIGITAL INSTRUMENT 3-ZONE & ACCESSORIES

SRH77A-E 3-Zone Temperature / Humidity Instrument

When temperature and relative humidity measurements are critical, the SRH77A is the expert's choice. Features include: a backlit display for dark environments; sealed keypad which protects the instrument from spills and dust; and a battery eliminator jack. View temperature differential, %RH, and wet-bulb. You will find this to be an accurate and fast service tool. The bright blue, durable carrying case makes this tool easy to find when on location or in the back of a service truck.

- 3 Zones [3 independent temperatures], -40°F to 300°F capable
- Zone 1 temperature Range: -40°F to 300°F w/supplied 1075 probe
- Zone 2 temperature Range: -25°F to 212°F w/supplied 4011 probe
- Zone 3 temperature range: 0°F to 150°F w/supplied 5028 probe
- Probes: 1075 puncture type, 5028 air/RH type, 4011 pipe strap type
- Thermistor sensing for fast response time
- Temperature °F/°C switchable
- Humidity range: 10 – 95% RH
- Independent minimum / maximum temperature memory
- Temperature, temperature differential, temperature min/max, %RH, wet bulb measurements,
- Backlit display w/auto shutoff
- Power auto shutoff w/disable
- Sealed keyboard
- Optional battery eliminator
- Battery life: 90 hours

PART NO	VENDOR PART NO	DESCRIPTION
SRH77A-E	SRH77A-E	3-Zone Temperature / Humidity Instrument

SH66A-E 3-Zone Temperature Instrument

For applications when multiple temperature measurements are needed, this is the instrument to use. Features include: a backlit display for dark environments; a sealed keypad which protects the instrument from spills and dust; and a battery eliminator jack. Simultaneously measures suction and liquid line temperatures, as well as temperatures across condensing coils, evaporator coils and ambient temperatures. View temperature differential between zones 1 and 2 and review min / max temperatures from all three zones.

- 3 Zones [3 independent temperatures], -40°F to 300°F capable
- Zone 1 temperature Range: -40°F to 300°F w/supplied 1075 probe
- Zone 2 temperature Range: -25°F to 212°F w/supplied 4011 probe
- Zone 3 temperature range: -40°F to 200°F w/supplied 2010 probe
- Probes: 1075 puncture type, 2010 air/surface type, 4011 pipe strap type
- Thermistor sensing for fast response time
- Temperature °F/°C switchable
- Independent minimum / maximum temperature memory
- Temperature, temperature differential, temperature min/max
- Backlit display w/auto shutoff
- Power auto shutoff w/disable
- Sealed keyboard
- Optional battery eliminator
- Battery life: 90 hours

PART NO	VENDOR PART NO	DESCRIPTION
SH66A-E	SH66A-E	3-Zone Temperature Instrument

4005MK Pipe Clamp Thermocouple Temperature Probe

- Temperature range -20°F to 300°F
- Spring clamp mounting (up to 1-3/8 inches diameter)
- Type K thermocouple
- 2 second response time

PART NO	VENDOR PART NO	DESCRIPTION
4005MK	4005MK	Pipe Clamp Thermocouple Temperature Probe

TEMPERATURE MEASUREMENT TOOLS

MULTI-INPUT DIGITAL INSTRUMENT 3-ZONE & ACCESSORIES

4011 Pipe Strap Thermistor Temperature Probe

- Temperature range -25°F to 212°F
- Strap (11 inch long) for pipe surface mounting
- Thermistor 2 second response time
- 6 foot cord length

PART NO	VENDOR PART NO	DESCRIPTION
4011	4011	Pipe Strap Thermister Temperature Probe

2010 Thermister Air Probe

- Temperature range -40°F to 200°F
- Allow approximately 20 seconds response time
- Shaft length 1/2 inch

PART NO	VENDOR PART NO	DESCRIPTION
2010	2010	Thermister Probe - 0.5 in.

4005i Cordless Pipe Clamp Temperature Instrument with Probe

- Temperature range -20°F to 300°F
- Spring clamp mounting (up to 1-3/8 inches diameter)
- Retractable 2-1/2 inch puncture probe
- LCD display
- Min/Max/Hold with auto shutoff (5 minutes)
- One hand operation

PART NO	VENDOR PART NO	DESCRIPTION
4005i	4005i	Cordless Pipe Clame Temperature Instrument with Probe

INFRARED THERMOMETERS

52224A Infrared Thermometer

- Temperature range -58 to 932°F
- 12:1 distance to spot ratio
- Includes laser pointer
- Includes plastic shell carrying case

PART NO	VENDOR PART NO	DESCRIPTION
52224A	52224A	Infrared Thermometer

POCKET THERMOMETERS

1246-02-1 Pocket Thermometer – Analog

- Temperature range 0 to 220°F
- 5 inch Stainless steel probe
- Includes protective sleeve with pocket clip and calibration wrench
- NSF®/ANSI Standard 2 Food Equipment Listed

PART NO	VENDOR PART NO	DESCRIPTION
1246-02-1	1246-02-1	Pocket Thermometer - Analog

DPP400W-0-8 Pocket Thermometer – Digital

- Temperature range -40°F to 392°F
- 2-3/4 inch stainless steel probe
- Includes protective sleeve with pocket clip
- NSF/ANSI Standard 2 Food Equipment Listed
- Water resistant IPX-7, immersion 30 minutes at 1 meter

PART NO	VENDOR PART NO	DESCRIPTION
DPP400W-0-8	DPP400W-0-8	Pocket Thermometer - Digital

TEMPERATURE MEASUREMENT TOOLS

POCKET THERMOMETERS

DT300-0-8 Pocket Thermometer – Digital

- Temperature range -40°F to 302°F
- 4-5/8 inch stainless steel probe
- Includes protective sleeve with pocket clip

PART NO	VENDOR PART NO	DESCRIPTION
DT300-0-8	DT300-0-8	Pocket Thermometer - Digital

DFP450W-0-8 Pocket Thermometer – Digital

- Temperature range -40°F to 450°F with alarm
- 4-3/4 inches stainless steel probe
- NSF/ANSI Standard 2 Food Equipment Listed
- Includes protective sleeve with pocket clip
- Water resistant IPX-7, immersion 30 minutes at 1 meter

PART NO	VENDOR PART NO	DESCRIPTION
DFP450W-0-8	DFP450W-0-8	Pocket Thermometer - Digital

52223-A Pocket Thermometer – Digital

- Temperature range -58 to 302°F
- 5 inch stainless steel probe
- Includes protective sleeve with pocket clip

PART NO	VENDOR PART NO	DESCRIPTION
52223-A	52223-A	Pocket Thermometer - Digital

PANEL THERMOMETERS & ACCESSORIES

6142-20-3 Panel Thermometer – Analog

- Temperature range -40°F to 60°F
- Nickel / Tin-plated bulb and capillary
- Stainless steel case with 2 inch dial

PART NO	VENDOR PART NO	DESCRIPTION
6142-20-3	6142-20-3	Panel Thermometer - Analog (Round)

DM120-0-3 Panel Thermometer – Digital

- Temperature Range -40°F to 120°F
- Battery powered
- 10 - 15 sec response time
- LCD display

PART NO	VENDOR PART NO	DESCRIPTION
DM120-0-3	DM120-0-3	Panel Thermometer - Digital (Round)

SP160-01-8 Panel Thermometer – Digital

- Temperature Range -58°F to 158°F
- Solar powered with battery back-up
- 10 - 15 sec response time
- LCD display

PART NO	VENDOR PART NO	DESCRIPTION
SP160-01-8	SP160-01-8	Panel Thermometer - Digital (Rectangular)

TEMPERATURE MEASUREMENT TOOLS

TESTOVIEW FIBERSCOPES

TestoView Fiberscopes

Powerful fiber optic scope allows examination of areas normally hidden from sight. Ideal for internal inspection of furnaces, ducts, A/C systems, interior structures, between walls and many other HVAC and industrial applications. Includes a comfortable grip handle for long term inspections, a convenient on/off light switch and an easily adjustable eyepiece.

- Spring lock flexible shaft holds shape
- Superior optics; 40 degree viewing angle; 0.4 inch and up viewing distance
- 25 hour battery life
- Bright white lighting with high/low beam

PART NO	VENDOR PART NO	DESCRIPTION
875011	400632 0319	TestoView Fiberscope - 18 in. (318-2)
875012	400632 0318	TestoView Fiberscope - 36 in. (318-1)

Magnetic Attachment for TestoView Fiberscopes

PART NO	VENDOR PART NO	DESCRIPTION
875017	400554 1321	Magnet for TestoView Fiberscope

Mirror Attachment for TestoView Fiberscopes

PART NO	VENDOR PART NO	DESCRIPTION
875016	400544 1320	Inspection Mirror for TestoView Fiberscope

WRENCHES – REFRIGERATION SERVICE WRENCHES

87-68309 (68309) Refrigeration Service Wrench – Ratcheting

PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
87-68309	68309	—	3/16, 1/4, 1/2, 9/16	Reversible Ratchet	Flat

87-68310 (68310) Refrigeration Service Wrench – Ratcheting

PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
87-68310	68310	—	3/16, 1/4, 5/16, 3/8	Reversible Ratchet	Flat

70082 Refrigeration Service Wrench – Ratcheting

PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
70082	70082	—	1/4, 3/8, 3/16 and 5/16	Reversible Ratchet	Flat

WRENCHES – ADJUSTABLE WRENCHES (CRESCENT-STYLE)

Adjustable Wrenches – Extra Capacity

- Precision-machine jaws are individually selected and assembled by hand for smooth operation
- Knurl turns smoothly for easy operation
- Forged heat-treated alloy steel for maximum strength and light weight
- High polish chrome finish

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)
87-D507-6	D507-6	6-3/8	15/16
87-D507-8	D507-8	8-3/8	1-1/8
87-D507-10	D507-10	10-3/8	1-5/16
87-D507-12	D507-12	12-3/8	1-1/2

WRENCHES – ADJUSTABLE WRENCHES (CRESCENT-STYLE)

Adjustable Wrenches – Standard Capacity

- Precision-machine jaws are individually selected and assembled by hand for smooth operation
- Knurl turns smoothly for easy operation
- Forged heat-treated alloy steel for maximum strength and light weight
- High polish chrome finish

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)
87-D500-18	D500-18	18-1/4	2-1/16

PLIERS – CHANNEL-LOCK PLIERS (PUMP PLIERS)

Channel-Lock Pliers

- Secure tongue and groove design for non-slip grip – even with heavy pressure
- Wide range of versatile jaw positions

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D502-6	D502-6	6-1/2	7/8	Plastic-dipped	Yellow
87-D502-10	D502-10	10	1-3/4	Plastic-dipped	Yellow
87-D502-12	D502-12	12-1/4	2-3/8	Plastic-dipped	Yellow

Channel-Lock Pliers (Journeyman)

- Secure tongue and groove design for non-slip grip – even with heavy pressure
- Wide range of versatile jaw positions
- Tension-loaded joint to reduce handle wobble for sure gripping
- Induction-hardened jaws for long life

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-J502-10	J502-10	10-1/4	1-3/4	Journeyman	Yellow/Black

PLIERS – SLIP-JOINT PLIERS

Slip-Joint Pliers

- Shear-type cutter for precision wire cutting
- Two versatile jaw positions
- Serrated jaws provide sure-gripping power
- Nickel-chrome plated for long life
- Knurled handles for greater leverage

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D511-6	D511-6	6-9/16	1-3/16	1-3/16	Plastic-dipped	Turquoise Blue

Slip-Joint Pliers – Hose Clamp

- Quickly installs and removes spring-tension hose clamps
- Grips with either end or side of jaws for work in confined areas
- Nickel-chrome plated for long life

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D514-8	D514-8	8-1/16	1-3/8	1-1/4	Plastic-dipped	Turquoise Blue

PLIERS – SIDE-CUTTING PLIERS

Side-Cutting Pliers – High-Leverage

- Induction-hardened cutting knives for long life
- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs
- Streamlined design with sure-gripping, cross-hatched knurled jaws

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D213-8NE	D213-8NE	8-11/16	1-7/16	Plastic-dipped	Dark Blue
87-D213-9NE	D213-9NE	9-3/8	1-19/32	Plastic-dipped	Dark Blue

Side-Cutting Pliers – High-Leverage – Heavy-Duty

- Induction-hardened cutting knives for long life
- Cuts ACSR, screws, nails and most hardened wire
- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Features combination polished and black-oxide finish

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D2000-9NE	D2000-9NE	9-3/8	1-19/32	Plastic-dipped	Royal Blue

Side-Cutting Pliers – High-Leverage – Heavy-Duty (Journeyman)

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	HANDLE FINISH	HANDLE COLOR
87-J2000-9NE	J2000-9NE	9-1/2	1-19/32	Journeyman	Light Blue/Black

Side-Cutting Pliers – High-Leverage/Connector Crimping

- Induction-hardened cutting knives for long life
- Crimping die behind hinge for superior leverage crimping non-insulated connectors, lugs and terminals
- High-leverage design; rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs
- Streamlined design with rounded nose and sure-gripping, cross-hatched knurled jaws

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D213-9NE-CR	D213-9NE-CR	9-3/8	1-19/32	Plastic-dipped	Yellow

PLIERS – DIAGONAL-CUTTING PLIERS

Diagonal-Cutting Pliers – High-Leverage – Heavy-Duty (Journeyman)

- Induction-hardened knives for long life
- High-leverage design; rivet is closer to the cutting edge for 36% greater cutting and gripping power than other plier designs
- Short jaws and beveled cutting edges permit close cutting of wire

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-J2000-28	J2000-28	8-1/8	13/16	1-3/16	Journeyman	Light Blue/Black

Diagonal-Cutting Pliers – High-Leverage – Angled Head

Angled head design for easy work in confined spaces.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D248-8	D248-8	8-1/16	13/16	1-3/16	Plastic-dipped	Red

PLIERS – DIAGONAL-CUTTING PLIERS

Diagonal-Cutting Pliers – High-Leverage – Angled Head – Heavy-Duty

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D2000-48	D2000-48	8-1/16	13/16	1-3/16	Plastic-dipped	Royal Blue

Diagonal-Cutting Pliers – High-Leverage – Angled Head – Heavy-Duty (Journeyman)

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-J2000-48	J2000-48	8-1/8	13/16	1-3/16	Journeyman	Light Blue/Black

Diagonal-Cutting Pliers – Tapered Nose

Easy working in confined spaces.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D202-6	D202-6	6-1/8	13/16	11/16	Plastic-dipped	Red

Diagonal-Cutting Pliers – Tapered Nose – Heavy Duty

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D220-7	D220-7	7-11/16	1	31/32	Plastic-dipped	Red

PLIERS – NEEDLE-NOSE (LONG-NOSE) PLIERS

Needle-Nose Pliers – Midget Slim-Nose

- Lightweight slim-nose pliers for precision subminiature assembly work
- Knurled jaws for sure-wrapping and looping
- Curved handles provide greater tool control

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D321-41/2C	D321-41/2C	4-13/16	1-1/16	Plastic-dipped	Royal Blue

Needle-Nose Pliers – Long Reach

- Knurled jaws for sure wrapping and looping
- Extended handles provide added reach and leverage

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D314-8	D314-8	8-1/8	1-15/16	Plastic-dipped	Yellow

Needle-Nose Pliers – Side-Cutting

- Induction-hardened long-lasting cutting knives
- Knurled jaws for sure wrapping and looping
- Curved handles provide greater tool control

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D203-6	D203-6	6-5/8	1-7/8	Plastic-dipped	Yellow
87-D203-7	D203-7	7-3/16	2-7/16	Plastic-dipped	Yellow

PLIERS – NEEDLE-NOSE (LONG-NOSE) PLIERS

Needle-Nose Pliers – Side-Cutting (Journeyman)

- Induction-hardened long-lasting cutting knives
- Knurled jaws for sure-wrapping and looping

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-J203-6	J203-6	6-3/4	1-7/8	Journeyman	Yellow/Black

Needle-Nose Pliers – Side-Cutting/Wire Stripping – Heavy-Duty

- Cleanly strips 12 AWG wire
- Heavier design for greater cutting power
- Induction-hardened long-lasting cutting knives
- Knurled jaws for sure-wrapping and looping

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D203-8N	D203-8N	8-7/16	2-5/16	Plastic-dipped	Yellow

Needle-Nose Pliers – Side-Cutting/Wire Stripping/ Wire Crimping – Heavy-Duty

- Cleanly strips 12 AWG wire; crimps connectors, lugs and terminals
- Heavier design for greater cutting power
- Induction-hardened long-lasting cutting knives
- Knurled jaws for sure-wrapping and looping

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D203-8N	D203-8N	8-7/16	2-5/16	Plastic-dipped	Yellow

PLIERS – NEEDLE-NOSE (LONG-NOSE) PLIERS

Insulated Needle-Nose Pliers – Side-Cutting – Heavy Duty

- Insulated handles rated up to 1000V
- Individually tested to exceed standards
- Extended handles provide added reach and leverage
- Induction-hardened cutting knives for long life
- Heavier design for easier, more comfortable cutting

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D203-8-INS	D203-8-INS	8-7/8	2-5/16	Insulated	Orange

HEX KEYS – FOLDING HEX-KEY SETS

Folding Hex-Key Sets

Hex ends are square-cut for a secure full-depth fit and maximum contact with the hex socket to prevent slippage and stripping of the socket.

PART NO	VENDOR PART NO	DESCRIPTION
87-70579	70579	3/16, 7/32, 1/4, 5/16, 3/8
87-70581	70581	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32
87-70591	70591	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4

Folding Hex-Key Sets (Grip-It)

- Grip-It® handle provides sturdy comfortable grip to maximize torque
- Hex ends are square-cut for a secure full-depth fit and maximum contact with the hex socket to prevent slippage and stripping of the socket

PART NO	VENDOR PART NO	DESCRIPTION
87-70570	70570	3/16, 7/32, 1/4, 5/16, 3/8
87-70574	70574	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4
87-70575	70575	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16

HEX KEYS – L-STYLE HEX-KEY SETS

L-Style Hex-Key Caddy Sets (Square-Cut)

- L-style hex keys in convenient caddy sets
- Caddy contains a unique locking feature and marked slots for each key
- Hex ends are square-cut for a secure full-depth fit and maximum contact with the hex socket to prevent slippage and stripping of the socket

PART NO	VENDOR PART NO	DESCRIPTION
87-LLK12	LLK12	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16

L-Style Hex-Key Caddy Sets (Ball Ends)

Ball-end works on angles up to 30 degrees.

PART NO	VENDOR PART NO	DESCRIPTION
87-BLK12	BLK12	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16

HEX KEYS – T-HANDLE HEX-KEY SETS

T-Handle Hex-Key Sets with Stand

Furnished complete with a rugged metal stand for convenient hanging, storage on bench or wall.

PART NO	VENDOR PART NO	DESCRIPTION
87-70153	70153	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8

SCREWDRIVERS – CUSHION-GRIP SCREWDRIVERS

- Cushion-Grip handle allows for greater toque and comfort
- Integral flanges inside handle provide sold twist-resistant blade anchor
- Special heat-treated shafts
- Patented Tip-Ident® quickly identifies the type of screwdriver and tip

Cushion-Grip Cabinet-Tip Screwdrivers – Round-Shanks

Narrow cabinet tip permits blade access where space is limited.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-601-3	601-3	6-3/4	3	Round	Cabinet	3/16
87-601-4	601-4	7-3/4	4	Round	Cabinet	3/16
87-601-6	601-6	9-3/4	6	Round	Cabinet	3/16
87-601-8	601-8	11-3/4	8	Round	Cabinet	3/16

Cushion-Grip Cabinet-Tip Screwdrivers – Heavy-Duty Round-Shanks

Narrow cabinet tip permits blade access where space is limited.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-605-4	605-4	8-11/32	4	Round	Cabinet	1/4
87-605-6	605-6	10-11/32	6	Round	Cabinet	1/4
87-605-8	605-8	12-11/32	8	Round	Cabinet	1/4

SCREWDRIVERS – CUSHION-GRIP SCREWDRIVERS

Cushion-Grip Keystone-Tip Screwdrivers – Heavy-Duty Round-Shanks

Hex bolster reinforces shank for hard use and allows wrench-assisted turning.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-602-4	602-4	8-11/32	4	—	—	1/4
87-602-6	602-6	10-5/16	6	—	—	5/16
87-602-8	602-8	13-7/16	8	—	—	3/8

Cushion-Grip Keystone-Tip Screwdrivers – Heavy-Duty Square-Shanks

- Heavy-duty square shank for wrench-assisted turning
- Bolster reinforces shank for hard use
- Designed for the most demanding uses

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-600-4	600-4	8-11/32	4	Square	Keystone	1/4
87-600-6	600-6	10-15/16	6	Square	Keystone	5/16
87-600-8	600-8	13-7/16	8	Square	Keystone	3/8

Cushion-Grip Profilated Phillips-Tip Screwdrivers – Round-Shanks

- Tips are precision-machined to provide a more consistent geometric symmetry than conventional Phillips-tip screwdrivers
- Provides accurate fit and torque without slippage

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	PHILLIPS SIZE
87-603-1	603-1	3-7/16	1-1/2	Round	Phillips - Profilated	#2
87-603-4	603-4	8-5/16	4	Round	Phillips - Profilated	#2

SCREWDRIVERS – CUSHION-GRIP SCREWDRIVER SETS

2-Piece Cushion-Grip Stubby Screwdriver Set

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE LENGTH (IN)	TIP STYLE	TIP WIDTH	SHANK STYLE
87-85071	85071	3-7/16	1-1/2	Keystone	1/4 in.	Round
		3-7/16	1-1/2	Phillips	#2	Round

7-Piece Cushion-Grip Screwdriver Set

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE LENGTH (IN)	TIP STYLE	TIP WIDTH	SHANK STYLE
87-85076	85076	8-11/32	4	Keystone	1/4	Square
		10-15/16	6	Keystone	5/16	Round
		6-3/4	3	Cabinet	3/16	Round
		9-3/4	6	Cabinet	3/16	Round
		8-11/32	4	Cabinet	1/4	Round
		6-3/4	3	Phillips	#1	Round
		8-5/16	4	Phillips	#2	Round

SCREWDRIVERS – PLASTIC HANDLE SCREWDRIVERS

- Tough amber plastic handle
- Integral flanges inside handle provide sold twist-resistant shaft anchor

Plastic-Handle Cabinet-Tip Screwdrivers – Round-Shanks

- Small-diameter shank for use in recessed holes or tight places
- Well-suited for electrical and telecommunications work

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-A216-6	A216-6	9	6	Round	Cabinet	1/8
87-A3166	A316-6	9-5/8	6	Round	Cabinet	3/16

Plastic-Handle Keystone-Tip Screwdrivers – Round-Shanks

- Oversized handle is 35% larger than comparable screwdriver handles
- Delivers up to 50% extra power to perform tough jobs with minimum effort

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-BD144	BD144	8-1/2	4	Round	Keystone	1/4

Plastic-Handle Keystone-Tip Screwdrivers – Square-Shanks

- Oversized handle is 35% larger than comparable screwdriver handles
- Delivers up to 50% extra power to perform tough jobs with minimum effort
- Square shank for wrench-assisted turning

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-BD286	BD286	10-1/2	6	Square	Keystone	1/4

Plastic-Handle Profilated Phillips-Tip Screwdrivers – Round-Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-BD122	BD122	8-1/2	4	Round	Phillips	#2

Plastic-Handle Cabinet-Tip Screwdrivers – Pocket-Clip

Includes convenient pocket clip.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-A130-3	A130-3	4-7/8	3	Round	Cabinet	1/8
87-A116-3	A116-3	5-7/16	3	Round	Cabinet	3/32

SCREWDRIVERS – SCREW-HOLDING SCREWDRIVERS

Slotted Screw-Holding Screwdrivers

- Split-blade screw-holding driver wedges into screw slot
- Positive gripping action holds, starts, and drives slotted screws in awkward, hard to reach places
- Not designed for torquing or tightening
- Blade thickness of 0.043 inches expanding to 0.085 inches

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-K38	K38	11-3/4	8	—	Slotted - Screw Holding	1/4

Phillips-Tip Screw-Holding Screwdrivers

- Blade separates to hold the fastener
- Not designed for torquing or tightening
- Positive gripping action holds and starts Phillips screws in awkward, hard to reach places

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-K16	K16	7	—	—	Phillips - Screw Holding	All

SCREWDRIVERS – SPECIALTY SCREWDRIVERS

10-in-1 Screwdriver/Nut Driver

Includes two nut drivers (1/4 and 5/16 inch); two Phillips-tip (#1 and #2); two TORX bits (#10 and #15) and two square-recess bits (#1 and #2).

PART NO	VENDOR PART NO	DESCRIPTION
87-32477	32477	10-in-1 Screwdriver/Nut Driver

5-in-1 Screwdriver/Nut Driver

Includes 5/16 inch nut driver; two Phillips-tip (#1 and #2); two standard-tips (3/16 and 9/32)

PART NO	VENDOR PART NO	DESCRIPTION
87-32476	32476	5-in-1 Screwdriver/Nut Driver

4-in-1 Screwdriver/Nut Driver

Includes standard-tips (3/16 and 9/32 inch) and two Phillips-tips (#1 and #2).

PART NO	VENDOR PART NO	DESCRIPTION
87-32460	32460	4-in-1 Screwdriver

NUT DRIVERS – CUSHION-GRIP NUT DRIVERS

- Cushion-Grip handle allows for greater torque and comfort
- Patented Tip-Ident® quickly identifies nut driver and size

Cushion-Grip Nut Drivers – 3 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-630-1/4	630-1/4	6-3/4	3	1/4
87-630-5/16	630-5/16	6-3/4	3	5/16
87-630-3/8	630-3/8	6-3/4	3	3/8
87-630-7/16	630-7/16	7-5/16	3	7/16

Cushion-Grip Nut Drivers – 6 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-646-1/4	646-1/4	9-3/4	6	1/4
87-646-5/16	646-5/16	9-3/4	6	5/16
87-646-3/8	646-3/8	9-3/4	6	3/8
87-646-1/2	646-1/2	10-5/16	6	1/2

Cushion-Grip Magnetic Long Nut Drivers – 18 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-618-1/4M	618-1/4M	21-3/4	18	1/4
87-618-5/16	618-5/16M	21-3/4	18	5/16

NUT DRIVERS – PLASTIC-HANDLE NUT DRIVERS

Plastic-Handle Stubby Nut Drivers – 1-1/4 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-SS8-1/4	SS8	3-3/4	1-1/4	1/4
87-SS10-5/16	SS10	3-3/4	1-1/4	5/16
87-SS12-3/8	SS12	3-3/4	1-1/4	3/8

Plastic-Handle Nut Drivers – 3 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S8-1/4	S8	6-5/8	3	1/4
87-S10-5/16	S10	6-5/8	3	5/16
87-S12-3/8	S12	6-5/8	3	3/8
87-S14-7/16	S14	7	3	7/16
87-S11-11/32	S11	6-5/8	3	11/32

Plastic-Handle Nut Drivers – 6 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S86-1/4	S86	9-5/8	6	1/4
87-S106-5/16	S106	9-5/8	6	5/16
87-S126-3/8	S126	9-5/8	6	3/8
87-S116-11/32	S116	9-5/8	6	11/32

Plastic-Handle Long Nut Drivers – 18 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S818M	S818M	21-5/8	18	1/4
87-S1018M	S1018M	21-5/8	18	5/16

Plastic-Handle Magnetic Nut Drivers – 3 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S8M-1/4	S8M	6-5/8	3	1/4
87-S10M-5/16	S10M	6-5/8	3	5/16

Plastic-Handle Magnetic Nut Drivers – 6 Inch Shanks

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S86M-1/4	S86M	9-5/8	6	1/4
87-S106M-5/16	S106M	9-5/8	6	5/16

NUT DRIVERS – NUT DRIVER SETS

7-Piece Plastic-Handle Nut Driver Set – 3 Inch Shanks

- Set contains seven hollow-shaft nut drivers in the most popular hex sizes
- Convenient vinyl pouch hangs up, rolls up

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-K7	K7	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2

NUT DRIVERS – NUT DRIVER SETS

7-Piece Cushion-Grip Nut Driver Set – 3 Inch Shanks

- Cushion-Grip handle allows for greater torque and comfort
- General-purpose selection of the most frequently used nut drivers with 3 inch shanks
- Patented Tip-Ident® quickly identifies nut driver and size
- Includes reusable plastic container

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-631S	631	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2

7-Piece Cushion-Grip Nut Driver Set – 6 Inch Shanks

- Cushion-Grip handle allows for greater torque and comfort
- General-purpose selection of the most frequently used nut drivers with 3 inch shanks
- Patented Tip-Ident® quickly identifies nut driver and size
- Includes reusable plastic container

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-647L	647	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2

2-Piece Cushion-Grip Magnetic Nut Driver Set – 1-1/2 Inch Shanks

Rare earth magnetic tip.

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-610M	610M	1/4, 5/16

2-Piece Cushion-Grip Magnetic Nut Driver Set – 3 Inch Shanks

Rare earth magnetic tip.

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-630M	630M	—

2-Piece Cushion-Grip Magnetic Nut Driver Set – 6 Inch Shanks

Rare earth magnetic tip.

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-646M	646M	1/4, 5/16

TAPPING TOOLS AND AWLS

Six-in-One Tapping Tool

- Two high-carbon steel taps are secured in reversible holder
- Quickly forms new threads, reforms burred threads and cleans out plaster obstructions
- Taps sizes 6-32, 8-32, 10-32, 10-24, 12-24 and 1/4-20
- Each tap size rethreads to next larger size if threads are stripped

PART NO	VENDOR PART NO	DESCRIPTION
87-627-20	627-20	Tapping Tool - Six In One

WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

TAPPING TOOLS AND AWLS

Cushion-Grip Scratch Awl

- Professional heavy-duty hard-pointed awl
- Scribes metal, starts screw holes, performs a variety of piercing and punching jobs
- Rigid, chrome-plated, heat-treated, tempered-steel shank has full reinforcing bolster at handle for extra strength and for handle impact reinforcement
- Internal flanges provide solid shank anchor
- Cushion-Grip handle allows for greater comfort

PART NO	VENDOR PART NO	DESCRIPTION
87-650	650	Scratch Awl - Cushion Grip

Beverage Tool

- Suitable for users from the apprentice to the demanding professional
- Cushion-Grip handle resists slippage and provides the comfort needed for frequent use
- Bottle cap Tip-Ident® allows for quick identification in tool pouches or crowed drawers
- Professionally designed and rigorously tested by an expert team to handle both foreign and domestic applications
- High-quality stainless steel construction

PART NO	VENDOR PART NO	DESCRIPTION
87-98002BT	98002BT	Beverage Tool

Riverting Hammer

High-carbon steel round head is forged and hardened; flat striking surface with rounded cross peen; straight-grain American hickory handle is stained and lacquered.

PART NO	VENDOR PART NO	DESCRIPTION
821-12	821-12	Riveting Hammer (12 oz.)

WIRE STRIPPERS, CRIMPERS & CUTTING TOOLS

87-K1412 (K1412) Wire Strippers/Cutters

- Quickly removes outer jacket of Type NM-B nonmetallic-sheathed cable
- Narrow nose fits into tight places
- Stripping holes easily remove insulation
- Precision shear-type blades for square, clean cuts on solid copper wire

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CABLE SHEARING - NM CABLE	SCREW/BOLT SHEARING SIZE
87-K1412	K1412	7-7/10	12-14	12/2, 14/2	6-32, 8-32

87-11045 (11045) & Wire Strippers/Cutters

- Compact lightweight wire-stripping and cutting tool
- Narrow nose fits into tight places
- Spring-loaded for self-opening action
- Wire looping and bending holes
- Hardened steel with precision ground stripping holes
- Do not use for cutting steel wire or bolts

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CABLE SHEARING - NM CABLE	SCREW/BOLT SHEARING SIZE
87-11045	11045	6-1/4	10-18 (solid)	—	—

87-11049 (11049) Wire Strippers/Cutters

- Compact lightweight wire-stripping and cutting tool
- Narrow nose fits into tight places
- Spring-loaded for self-opening action
- Wire looping and bending holes
- Hardened steel with precision ground stripping holes
- Do not use for cutting steel wire or bolts

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CABLE SHEARING - NM CABLE	SCREW/BOLT SHEARING SIZE
87-11049	11049	6-1/4	8-18 (stranded)	—	—

87-11055 (11055) Wire Strippers/Cutters

- Curved handles help reach into confined areas
- Spring-loaded for self-opening action
- Strong gripping serrated nose for easy bending, shaping and pulling of wire
- Handy closure lock for convenient storage
- Precision shear-type blades for clean cuts on solid and stranded copper wire

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	SCREW/BOLT SHEARING SIZE
87-11055	11055	7-1/8	10-18 (solid), 12-20 (stranded)	6-32, 8-32

87-11057 (11057) Wire Strippers/Cutters

- Curved handles help reach into confined areas
- Spring-loaded for self-opening action
- Strong gripping serrated nose for easy bending, shaping and pulling of wire
- Handy closure lock for convenient storage
- Precision shear-type blades for clean cuts on solid and stranded copper wire

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	SCREW/BOLT SHEARING SIZE
87-11057	11057	7-1/8	20-30 (solid), 22-32 (stranded)	6-32, 8-32

87-1011 (1011) Wire Strippers/Cutters

- Scissors action of 1/2 inch wide cutter makes clean cuts with little effort
- Spring-loaded for self-opening action
- Serrated nose jaws to bend, shape or pull wire; holes for looping wire ends

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTS (AWG)	STRIPS (AWG)
87-1011	1011	6-1/8	10-20	10-20

87-1001 (1001) Multi-Purpose Electrician's Tool

- Crimps, cuts and strips; cleanly shears bolts
- Two wire cutters; one at tip the other halfway back near stripping holes-double the utility of this tool
- Pivot nut adjusts tension
- Left and right-hand holes near tip for looping wire ends
- Wire cutter in nose and below pivot
- Crimping dies color-coded for easy identification

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CRIMPS INSULATED (AWG)	CRIMPS NON-INSULATED (AWG)	SCREW/BOLT SHEARING SIZE
87-1001	1001	8-1/2	8-22 (solid), 10-26 (stranded)	10-22	10-22	4-40, 6-32, 8-32, 10-24, 10-32

87-1005 (1005) Crimping/Cutting Tool – Insulated/Non-Insulated Terminals

- Tapered nose design for working in confined spaces
- Crimping die marked for insulated and non-insulated solderless terminals and connectors
- Special hardened wire cutter in nose

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CRIMPS INSULATED (AWG)	CRIMPS NON-INSULATED (AWG)
87-1005	1005	9-3/4	—	10-22	10-22

87-1006 (1006) Crimping/Cutting Tool – Non-Insulated/Insulated Terminals

- Designed for crimping non-insulated solderless terminals and connectors
- Tapered nose for working in confined spaces
- Special hardened wire cutter in nose

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CRIMPS INSULATED (AWG)	CRIMPS NON-INSULATED (AWG)
87-1006	1006	9-3/4	—	—	10-22

WIRE STRIPPERS, CRIMPERS & CUTTING TOOLS

87-D275-5 (D275-5) Lightweight Flush Diagonal-Cutting Electronics Pliers

- Shear cutting greatly reduces cutting effort and minimizes fly-off
- Cushioned grips and steel return spring for increased comfort during repetitive cutting
- Ultra slim profile increases access in confined areas

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTS (AWG))
87-D275-5	D275-5	5	Up to 18

87-63050 (63050) High-Leverage Cable Cutters

- Shear cutting greatly reduces cutting effort and minimizes fly-off
- Cushioned grips and steel return spring for increased comfort during repetitive cutting
- Ultra slim profile increases access in confined areas

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CABLE CUTTING CAPACITY
87-63050	63050	9-1/2	4/0 aluminum, 2/0 soft copper, 100 pair 24 AWG communications wire

SNIPS

AVIATION SNIPS – OFFSET – KLEIN TOOLS

Offset snips flow material away from blades making long cuts easier and cut tighter curves.

87-2100L (2100L) Offset Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-2100L	2100L	9-1/2	1-1/4	Left	18	22

87-2101R (2101R) Offset Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-2101R	2101R	9-1/2	1-1/4	Right	18	22

87-2100S (2100S) Offset Aviation Snips – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-2100S	2102S	9-1/2	1-1/2	Straight	18	22

AVIATION SNIPS – OFFSET – MIDWEST

Offset snips flow material away from blades making long cuts easier and cut tighter curves.

87-P6510L (P6510L) Offset Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6510L	P6510L	10	1-1/4	Left	18	22

87-P6510R (P6510R) Offset Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6510R	P6510R	10	1-1/4	Right	18	22

87-P6510S (P6510S) Offset Aviation Snips – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6510S	P6510S	10	1-1/4	Straight	18	22

AVIATION SNIPS – OFFSET – MIDWEST (SPECIAL HARDNESS/HEAVY DUTY)

Specially heat-treated steel extends blade life cutting hardened sheet metals such as stainless steel, Inconel and titanium.

87-SSP6716L (SSP6716L) Offset Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-SSP6716L	SSP6716L	10	1-3/8	Left	—	22

87-SSP6716R (SSP6716R) Offset Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-SSP6716R	SSP6716R	10	1-3/8	Right	—	22

AVIATION SNIPS – STANDARD – MIDWEST

87-P6716L (P6716L) Standard Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716L	P6716L	10	1-3/8	Left	18	22

87-P6716R (P6716R) Standard Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716R	P6716R	10	1-3/8	Right	18	22

87-P6716S (P6716S) Standard Aviation Snips – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716S	P6716S	10	1-1/2	Straight	18	22

AVIATION SNIPS – UPRIGHT – MIDWEST

Right angle blades make cutting complete circles easier in tight spaces using a push or pull motion.

87-P6900L (P6900L) Upright Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6900L	P6900-L	8	1-1/4	Left	24	28

87-P6900R (P6900R) Upright Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6900R	P6900-R	8	1-1/4	Right	24	28

AVIATION SNIPS – LONG STRAIGHT CUT – MIDWEST

Makes long cuts faster on a variety of materials.

87-P6716A (P6716A) Aviation Snips – Straight (Long Cut)

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716A	P6716A	12	3	Straight	20	24

TINNER SNIPS

Midwest tinner snips feature hot-drop forged blades for exceptional strength and edge life, “Kush’n-Kote” vinyl grips to comfort user’s hand and a full polish finish.

87-P77S (P77S) Straight Tinner Snips – 7 Inch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P77S	P77S	7	1-3/4	—	24	28

87-P107S (P107S) Straight Tinner Snips – 10 Inch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P107S	P107S	10	2-1/2	—	22	26

87-P127S (P127S) Straight Tinner Snips – 12 Inch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P127S	P127S	12	3	—	20	22

87-P147C (P147C) Combination Tinner Snips – 14 Inch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P147C	P147C	14	3-7/8	—	18	22

87-P77D (P77D) Circular “Duckbill” Tinner Snips – 7 Inch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P77D	P77D	7	1-3/4	—	26	28

87-P107D (P107D) Circular “Duckbill” Tinner Snips – 10 Inch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P107D	P107D	10	2-1/2	—	24	26

87-P127D (P127D) Circular “Duckbill” Tinner Snips – 12 Inch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P127D	P127D	12	3	—	22	24

87-P167B (P167B) Bulldog Tinner Snips – 16 Inch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P167B	P167B	16	2-1/2	—	16	18

SNIPS

SPECIALTY SNIPS

87-P657N (P657N) Needle Nose Snips

Cuts intricate curves; forged blades for strength and sharpness.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P657N	P657N	6-1/2	1-1/4	—	24	28

87-2103 (2103) Bulldog/Notch Snips

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-2103	2103	9-1/4	7/8	Notch	18	22

87-P6716B (P6716B) Bulldog/Notch Snips

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716B	P6716B	9-1/2	—	Notch	16	18

87-P6300 (P6300) Cable Cutter Snips

Compound leverage handles and M2 tool steel blade inserts, easily cuts heavy cable and wire.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6300	P6300	9	1/8	5/32	1/8	

87-M1200 (M1200) Replaceable Blade Snips

Use in either hand; cuts straight, as well as wide curves; blades are replaceable.

PART NO	VENDOR PART NO	DESCRIPTION
87-M1200	M1200	Snips - Replaceable Blade - 12 in

87-M1200R (M1200R) Replacement Blades for 87-M1200

PART NO	VENDOR PART NO	DESCRIPTION
87-M1200R	M1200R	Replacement Blades for 87-M1200 (M1200)

SEAMERS

87-86552 (86552) Seamer – Offset

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-86552	86552	8	1-1/4	3	22	24

87-FCTMS2 (FCTMS2) Seamer – Offset

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMS2	FCTMS2	8-1/4	1-1/4	3-3/16	22	26

SHEET METAL TOOLS

SEAMERS

87-86553 (86553) Seamer – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-86553	86553	8-3/8	1-1/4	3	22	24

87-FCTMS1 (FCTMS1) Seamer – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMS1	FCTMS1	8-1/4	1-1/4	3-3/16	22	26

87-FCTMS6 (FCTMS6) Seamer – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMS6	FCTMS6	8-1/4	1-1/4	6	22	26

NOTCHERS

87-86551 (86551) Notcher

PART NO	VENDOR PART NO	THROAT DEPTH (IN)	NOTCH ANGLE (DEGREES)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-86551	86551	13/16	30	—	22	24

87-FCTMN1 (FCTMN1) Notcher

PART NO	VENDOR PART NO	THROAT DEPTH (IN)	NOTCH ANGLE (DEGREES)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMN1	FCTMN1	13/16	31	—	22	26

CRIMPERS

87-86550 (86550) Crimper – 5-Blade

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-86550	86550	9	1-1/2	3/4	24	28

87-FCTMC5 (FCTMC5) Crimper – 5-Blade

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMC5	FCTMC5	10	1-3/4	7/8	24	28

87-FCTMC5S (FCTMC5S) Crimper – 5-Blade

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMC5S	FCTMC5S	9-1/4	1-1/4	13/16	24	28

SNAP LOCK PUNCHES

87-FCTML1 (FCTML1) Snap Lock Punch

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTML1	FCTML1	8	3/8	3/8	24	28

SHEET METAL TOOLS

FOLDING TOOLS

87-FCTMF1 (FCTMF1) Folding Tool

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	FOLD DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMF1	FCTMF1	12	3/8, 1	—	24	28

87-FCTMF2 (FCTMF2) Folding Tool

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	FOLD DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMF2	FCTMF2	18	3/8, 1	—	24	28

DUCT TOOLS

87-FCTMX1 (FCTMX1) Duct Slitter

Used to scribe a line or pierce and enlarge holes in sheet metal.

PART NO	VENDOR PART NO	DESCRIPTION
87-FCTMX1	FCTMX1	Duct Slitter

87-FCTMP1 (FCTMP1) Pipe Duct Cutter – Double Cut

Three hardened steel blades cleanly cut 1/8 inch wide tracks, producing a uniform cut leaving both edges clean. Suitable for 22 gauge cold-rolled sheet steel and 24 gauge stainless steel.

PART NO	VENDOR PART NO	DESCRIPTION
87-FCTMP1	FCTMP1	Pipe Duct Cutter - Double Cut

87-FCTMD1 (FCTMD1) Duct Stretcher – Offset

Aligns and pulls ductwork together, easing installation of drive cleats. Offset handle protects hand.

PART NO	VENDOR PART NO	DESCRIPTION
87-FCTMD1	FCTMD1	Duct Stretcher - Offset

Round Hole Duct Cutter

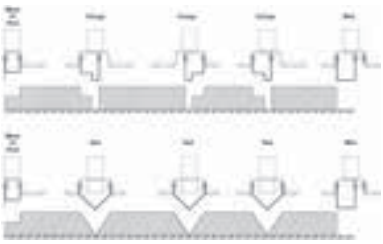
For use with ductboard from 1 to 1-1/2 inches thick. Cuts 3 to 20 inch diameter openings.

PART NO	DESCRIPTION
87-40060	Round Hole Duct Cutter

Ductboard Hand Tools

For use with ductboard up to 1 inch thick.

PART NO	DESCRIPTION
87-40066	90V/Miter Cut Tool - Red
87-40076	Corner Tool (Left Only) - Orange
87-40074	Corner Tool (Right Only) - Orange
87-40072	End Cut-Off Tool (4-in-1) - Blue
87-40068	Female/Rabbet Tool - Gray



FLARING & SWAGING TOOLS

FLARING TOOLS

70051 Flaring Tool

PART NO	VENDOR PART NO	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
70051	70051	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8	45	Copper, aluminum, brass, thin wall steel

70052 Flaring Tool

PART NO	VENDOR PART NO	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
70052	70052	3/16, 1/4, 5/16, 3/8, 1/2, 5/8	45	Copper, aluminum, brass, thin wall steel

FLARING & SWAGING TOOL SETS

70053 Flaring and Swaging Tool Set

PART NO	VENDOR PART NO	SWAGES TUBE OD (IN)	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
70053	70053	3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	45	Copper, aluminum, brass, thin wall steel

SWAGING TOOLS – HYDRAULIC

Hydraulic Swaging Kit (Hydra-Swage)

Fabricates and expands tubing using hydraulic power. Includes swaging tool, expander heads, burr removal tool and carrying case.

PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
71600	3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8	Copper, aluminum, brass, thin wall steel

Additional/Replacement Expander Heads for Hydra-Swage Kit

Additional larger expander heads available as accessories for the 71600 kit.

PART NO	DESCRIPTION
71600-03	Expander Head - Hydra-Swage (3/8 in. O.D. Copper Tube)
71600-11	Expander Head - Hydra-Swage (1-3/8 in. O.D. Copper Tube)
71600-13	Expander Head - Hydra-Swage (1-5/8 in. O.D.Copper Tube)
71600-17	Expander Head - Hydra-Swage (2-1/8 in. O.D.Copper Tube)

FLARING & SWAGING TOOLS

SWAGING TOOLS – PUNCH TYPE

87-70006 (70006) Multi-Step Swaging Tool – Punch Type

PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
87-70006	3/16, 1/4, 5/16, 3/8, 1/2, 5/8	Copper, aluminum, brass, thin wall steel

70040 Multi-Step Swaging Tool – Punch Type

PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
70040	1/4, 5/16, 3/8, 1/2, 5/8	Copper, aluminum, brass, thin wall steel

70048 Swaging Tool 5-Piece Set – Punch Type

PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
70048	1/4, 5/16, 3/8, 1/2, 5/8	Copper, aluminum, brass, thin wall steel

TUBE BENDERS & CUTTERS

TUBE CUTTERS

70027 Tube Cutter – Mini

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70027	70027	1/8 to 5/8	Copper, aluminum, brass, thin wall steel

70029 Tube Cutter – Midi

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70029	70029	3/8 to 1-1/8	Copper, aluminum, brass, thin wall steel

70033 Tube Cutter – Heavy-Duty

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70033	70033	1/8 to 1-1/8	Copper, aluminum, brass, thin wall steel

70035 Tube Cutter – Heavy-Duty

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70035	70035	1/4 to 1-5/8	Copper, aluminum, brass, thin wall steel

70037 Tube Cutter – Sliding Ratchet Style

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70037	70037	1/4 to 2-5/8	Copper, aluminum, brass, thin wall steel

70038 Tube Cutter – Sliding Ratchet Style

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70038	70038	1/4 to 3-1/8	Copper, aluminum, brass, thin wall steel

TUBE BENDERS & CUTTERS

70090 Tube Cutter Set

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70090	70090	1/8 to 5/8 (70027) 3/8 to 1-1/8 (70029) 1/8 to 1-1/8 (70033)	Copper, aluminum, brass, thin wall steel

70031 Tube Cutter – Ratchet Style

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70031	70031	5/16 to 1-1/8	Copper, aluminum, brass, thin wall steel

87-70024 (70024) Tube Cutter – Mini

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-70024	70024	1/4 to 1-1/8	Copper, aluminum, brass, thin wall steel

87-70001 (70001) Tube Cutter – Premium

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-70001	70001	1/8 to 1-1/4	Copper, aluminum, brass, thin wall steel

TUBE BENDERS – LEVER STYLE

70069 Tube Bender – Lever Style (Multi Size)

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70069	70069	3/16, 1/4, 5/16, 3/8	Copper, aluminum, brass, thin wall steel

TUBE BENDERS – RATCHET STYLE

70070 Tube Bender Kit – Ratchet Style

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70070	3/8, 1/2, 5/8, 3/4, 7/8	1/8 to 1-1/8	Copper, aluminum, brass, thin wall steel

CH-404L Tube Bender Kit – Ratchet Style

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
CH-404L	3/8, 1/2, 5/8, 3/4, 7/8	1/8 to 1-1/8	Copper, aluminum, brass, thin wall steel

DUCT KNIVES & JAB SAWS

87-40062 Duct Knife

For scoring and stripping fiberglass.

PART NO	DESCRIPTION
87-40062	Duct Knife - 4 in. Blade

875034 Duct Knife

Dual edge blade – both non-serrated; includes sheath.

PART NO	DESCRIPTION
875034	Duct Knife w/Sheath - 6 in. Blade (Dual Edge)

87-725 (725) 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 NO	VENDOR PART NO	DESCRIPTION
87-725	725	Jab Saw - 6 in.

UTILITY KNIVES & BLADES

87-44105 (44105) Utility Knife

- Retractable blade locks in three positions
- Notch in bottom for cutting of cord or twine up to 1/8 inch diameter with blade in any position
- No tools required for quick blade change
- Includes 3 heavy-duty blades, stored in handle

PART NO	VENDOR PART NO	DESCRIPTION
87-44105	44105	Utility Knife

87-44107 (44107) Utility Knife

- Retractable blade locks in three positions
- Curved handle design with slip-resistant grip for comfort and ease of use
- No tools required for quick blade change
- Plastic holster with belt clip for convenient use
- Safety overlap-handle design for heavy-duty cutting
- Includes one heavy-duty blade and stores up to ten blades in handle

PART NO	VENDOR PART NO	DESCRIPTION
87-44107	44107	Utility Knife - Klein Kurve

87-44101 (44101) Utility Knife Blades (Pack of 5)

- Heavy-duty razor-edged blades
- Universal size fits Klein and most other makes of utility knives
- Blades are reversible for extra life
- Made in the U.S.A.

PART NO	VENDOR PART NO	DESCRIPTION
87-44101	44101	Utility Knife Blades (Pack of 5)

SAWS, KNIVES & BLADES

HACKSAWS & BLADES

87-701S (701S) Hacksaw

- Blade has three teeth sizes
- Blade converts quickly from 90 to 45 degrees for standard or flush-cut applications
- Pivot-lock adjusts blade tension for straighter cuts and longer blade life
- Set screw allows for storage of extra blades and secures blade for “jab” sawing
- Aluminum finger grip handle and front end
- Thumb guard for two-hand sawing

PART NO	VENDOR PART NO	DESCRIPTION
87-701S	701S	Dual-Purpose Hacksaw - Golden Tri-Cut 3-in1 Blade (12 in. Blade)

Hacksaw Blades Bi-Metal

- Special high-speed steel teeth fused to regular carbon-steel body provide superior cutting and longer life
- Withstands greater saw tension for less blade flexing
- Fits all 12 inch hacksaws
- Blue finish

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
87-1224BI-P	1224BI-P	Hacksaw Blade - Bi-Metal - 12 in. - 24 TPI	10	Yes
87-1232BI-P	1232BI-P	Hacksaw Blade - Bi-Metal - 12 in. - 32 TPI	10	Yes

PLASTIC PIPE CUTTERS – PVC, PEX

875490 Plastic Pipe Cutter – Ratchet Style

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
875490	CH-42-3.3	Up to to 1-5/8	PVC, PEX, all other plastic pipe

87-70078 (70078) Plastic Pipe Cutter – Ratchet Style

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-70078	70078	Up to to 1-5/8	PVC, PEX, all other plastic pipe

80011 Plastic Pipe Cutter – Ratchet Style

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
80011	80011	Up to 1-1/2	PVC, PEX, all other plastic pipe

LEVELS

Rare Earth Magnet Torpedo Level

- Powerful rare earth magnet holds firmly to iron and steel surfaces; up to five times stronger than strip magnets
- Strong die-cast aluminum frame feature convenient built-in hanging hole; machined edges for accurate readings
- Grooved edge for pipe and conduit work
- Top-read window simplifies viewing in tight areas
- Yellow vials framed with E-Z SEE™ glow-in-the-dark material for easier viewing in dimly lit areas

PART NO	VENDOR PART NO	DESCRIPTION
87-931-9RE	931-9RE	Level - Rare Earth Magnet Torpedo Level (9 in. long)

TAPE MEASURES

Tape Measure – Magnetic Tip

- Comfortable non-slip rubber jacket for easy gripping and impact protection
- Rare earth magnetic tip sticks to iron and steel surfaces for simple one person measurements
- Oversized bold black numbers on first 11 inches for easy reading

PART NO	VENDOR PART NO	DESCRIPTION
93125	93125	Tape Measure - 25 ft. x 1 in. wide (Magnetic Single Hook)

Tape Measure – Double Sided

- Comfortable non-slip rubber jacket for easy gripping and impact protection
- Double-sided rule for easy reading of elevation, flat surface and pipe conduit measurements
- Oversized bold black numbers on first 11 inches for easy reading; 16 and 19 inch red stud markings

PART NO	VENDOR PART NO	DESCRIPTION
930-25	930-25	Tape Measure - 25 ft. x 1 in. wide (Double-Sided)

Tape Measure – High-Visibility Case

- Oversized numbers for easy reading
- High-visibility high-impact orange case makes it easy to find in a tool box, pouch, and on the jobsite

PART NO	VENDOR PART NO	DESCRIPTION
87-928-16HV	928-16HV	Tape Measure - 16 ft. x 1 in. wide (High Visibility)

Tape Measures – Chrome Case

- Lightweight, high strength chrome finished case
- Bright yellow blade has clear easy-to-read numerals

PART NO	VENDOR PART NO	DESCRIPTION
87-2212	2212	Tape Measure - 12 ft. x 1/2 in. wide (Chrome)
87-2212DX	2212DX	Tape Measure - 12 ft. x 1/2 in. wide (Chrome) Decimal-Fraction
87-2316	2316	Tape Measure - 16 ft. x 3/4 in. wide (Chrome)

CAULKING GUNS

87-250 Caulking Gun

PART NO	DESCRIPTION
87-250	Caulking Gun - Smooth Rod Dripless - 11 oz

87-M0016 Caulking Gun

PART NO	DESCRIPTION
87-M0016	Caulking Gun - Cradle - 11 oz

87-M0017 Caulking Gun

PART NO	DESCRIPTION
87-M0017	Caulking Gun - Skeleton - 11 oz

FLASHLIGHTS

Flashlight with Extendable Magnetic Pickup

- Magnets on both grip acts as a third hand
- Magnet on light end for fastener retrieval
- Telescopes from 6-1/2 to 21 inches
- Flexible shaft for hard-to-reach places
- Three super-bright LEDs
- Uses four LR44 batteries (included)

PART NO	DESCRIPTION
EMF-1	Flashlight - Extendable Magnetic

TOOL BAGS & CARRIERS

Canvas Zipper Bag

- No. 10 canvas bag with strong zipper
- Convenient storage for pliers, wrenches and other tools
- 12-1/2 inches long x 7 inches high

PART NO	VENDOR PART NO	DESCRIPTION
87-5139	5139	Canvas Zipper Bag

Canvas Tool Bag

- Heavy-duty No. 8 natural canvas
- Rivet-reinforced for durability
- Steel-frame mouth with hinge for rugged use
- Stitched and riveted leather handles for comfort and strength
- Two retaining straps with buckles provide secure closure
- Moisture-resistant, vinyl bottom, and lower sides
- Non-scratch studs on base protect against wear
- 16 inches long x 6 inches wide x 14 inches deep

PART NO	VENDOR PART NO	DESCRIPTION
87-5102-16	5102-16	Tool Bag - Canvas

Tool Tote with Shoulder Strap

- Water-resistant to avoid the buildup of mold and mildew
- Constructed of double-layered 600 x 300 denier polyester to resist wear and tear on the jobsite
- 2 inch wide polypropylene padded carrying handles with comfortable leather wrap
- Contoured, padded, slip-resistant should strap for hands-free mobility
- Durable molded bottom with drain holes to prevent wear retention
- Five interior pockets and seven exterior pockets
- 15-1/2" long x 7-1/2" wide x 10" deep

PART NO	VENDOR PART NO	DESCRIPTION
87-58888	58888	Tool Tote

Mobile Phone Holders

- Fits most mobile phones
- Metal belt clip for simple mounting and removal from belts up to 2 inches wide
- Closable flap features genuine Velcro brand touch fastener
- Closed bottom for convenient storage

PART NO	VENDOR PART NO	DESCRIPTION
87-5715M	5715M	Mobile Phone Holder - Medium (5-1/2 in. x 2-5/8 in.)
87-5715	5715	Mobile Phone Holder - Large (6-1/2 in. x 3-5/8 in.)

TOOL BAGS & CARRIERS

Padded Adjustable Shoulder Strap

- Shoulder strap for canvas tool bags
- Adjustable from both ends for a perfect fit

PART NO	VENDOR PART NO	DESCRIPTION
87-58889	58889	Shoulder Strap - Padded Adjustable

SPRAYERS

Condenser Needle

This powerful tool connects to a standard garden hose and is designed to clean condenser coils for the inside and out.

PART NO	DESCRIPTION
CN-03	Condenser Needle

COILJET PORTABLE COIL CLEANER

CJ-95 CoilJet Portable Coil Cleaning System

Portable power for the inside and out. The CoilJet® from SpeedClean™ makes quick work of cleaning debris and grime from condenser and evaporator coils. Now deliver professional results in a convenient and rechargeable battery powered solution – no more garden hoses or pump sprays needed. The CoilJet delivers a powerful spray of water and cleaning chemical from the included tanks to wash even the dirtiest coils, without damaging sensitive fins. And the small portable size lets you clean coils from the front or back of the coil – a proven method for increasing coil cleaning and system efficiency. CoilJet makes cleaning coils quick and easy. Now that's smart.

- Portable and rechargeable; clean coils in hard to reach areas such as rooftops and attics where access to power and water is limited
- Powerful 100 psi, 0.5 gpm spray cleans debris and grime without damaging fins
- Optional spray wand with 90° nozzle lets you clean from the inside out
- Forces dirt and debris back in the direction it entered
- Deep cycle, 12V, 7A rechargeable battery lasts all day
- 3.375 gallon water capacity; 1.75 quart chemical capacity
- Includes: CoilJet System, 2 standard spray tips, rechargeable battery, SpeedyFoam cleaner, and AC charger

PART NO	DESCRIPTION
CJ-95	CoilJet Portable Coil Cleaning System

Foaming Nozzle Assembly

Creates ultra foaming action to coat coils.

PART NO	DESCRIPTION
CJ-9619	Foaming Nozzle Assembly

Quick Disconnect Adapters

PART NO	DESCRIPTION
CJ-QDN-45	Quick Disconnect Adapter for CJ-95 - 45 degree
CJ-QDN-90	Quick Disconnect Adapter for CJ-95 90 degree

Quick Disconnect Nozzles

PART NO	DESCRIPTION
CJ-QDN-0003R	Quick Disconnect Nozzle for CJ-95 - Pinpoint
CJ-QDN-1503Y	Quick Disconnect Nozzle for CJ-95 - 15 Degree

COILJET PORTABLE COIL CLEANER

Spray Wands

Optional spray wands allow cleaning from the inside of coils.

PART NO	DESCRIPTION
8945	Spray Wand - 36 in. long - 90 degree
8945-24	Spray Wand - 24 in. long - 90 degree
8945-48	Spray Wand - 48 in. long - 90 degree
8945-60	Spray Wand - 60 in. long - 90 degree

Sectional Stainless Steel Spray Wand

PART NO	DESCRIPTION
CJ-WWSS	Sectional Stainless Wand - 36 in.
CJ-WWSS-EXT	Extension for CJ-WWSS - 16 in.

Extension Lances

PART NO	DESCRIPTION
CJ-9657	Extension Lance Assembly - 36 in.
CJ-9658	Extension Lance Assembly - 48 in.
CJ-9659	Extension Lance Assembly - 60 in.

Vehicle Adapter for Battery Charger

Easily recharges the CoilJet on the go.

PART NO	DESCRIPTION
8944	Vehicle Adapter for Battery Charger

Battery Charger

PART NO	DESCRIPTION
CJ-9693	Battery Charger for CJ-95 CoilJet

Battery Charger w/Lugs to Charge Battery Outside of Unit

PART NO	DESCRIPTION
8924	Battery Charger with Lugs (to charge battery outside of unit)

Battery

PART NO	DESCRIPTION
CJ-9689	Battery for CJ-95 for CoilJet

Charger Kit (Includes Battery & Charger)

PART NO	DESCRIPTION
CJ95-KIT-SB	Charger Kit for CJ-95 (w/charger & battery)

BUCKETVAC JOB SITE VACUUM

BV-5 BucketVac (Includes Head, Accessories and Bucket)

Includes BucketVac head, 5 gallon bucket, hose (2" x 2', stretches to 6'), crevice tool, bulk pickup tool, floor tool, brush tool, two 12" wands, three standard filters.

PART NO	DESCRIPTION
BV-5	BucketVac (Includes Head, Accessories and Bucket)

BV-5-HD BucketVac (Includes Head and Accessories)

Includes BucketVac head, hose (2" x 2', stretches to 6'), crevice tool, bulk pickup tool, floor tool, brush tool, two 12" wands, three standard filters. Bucket not included.

PART NO	DESCRIPTION
BV-5-HD	BucketVac (Includes Head and Accessories)

Replacement Filters

Includes six replacement filters for general use; 10 micron.

PART NO	DESCRIPTION
BV-5-STDFLTR-6PK	BucketVac Replacement Filter (Pack of 6)

Replacement Hose

2" x 2' hose; stretches to 6'.

PART NO	DESCRIPTION
BV-5-11	BucketVac Replacement Hose

Extension Wands

Includes three 12 inch extensions wands.

PART NO	DESCRIPTION
BV-EXTWAND-3PK	BucketVac Extension Wand (Pack of 3)

Crevice Tool

Includes three 12 inch extensions wands.

PART NO	DESCRIPTION
BV-5-20	BucketVac Crevice Tool

Floor Tool

Perfect for large floor surface cleanup.

PART NO	DESCRIPTION
BV-5-19	BucketVac Floor Tool

Round Brush Tool

Makes pickup on sensitive surfaces easier and more efficient.

PART NO	DESCRIPTION
BV-5-24	BucketVac Round Brush Tool

BUCKETVAC JOB SITE VACUUM

BucketVac Bucket - 5 gallon

PART NO	DESCRIPTION
BV-5-BUCKET	BucketVac Bucket - 5 gallon

NOTES:

NOTES:

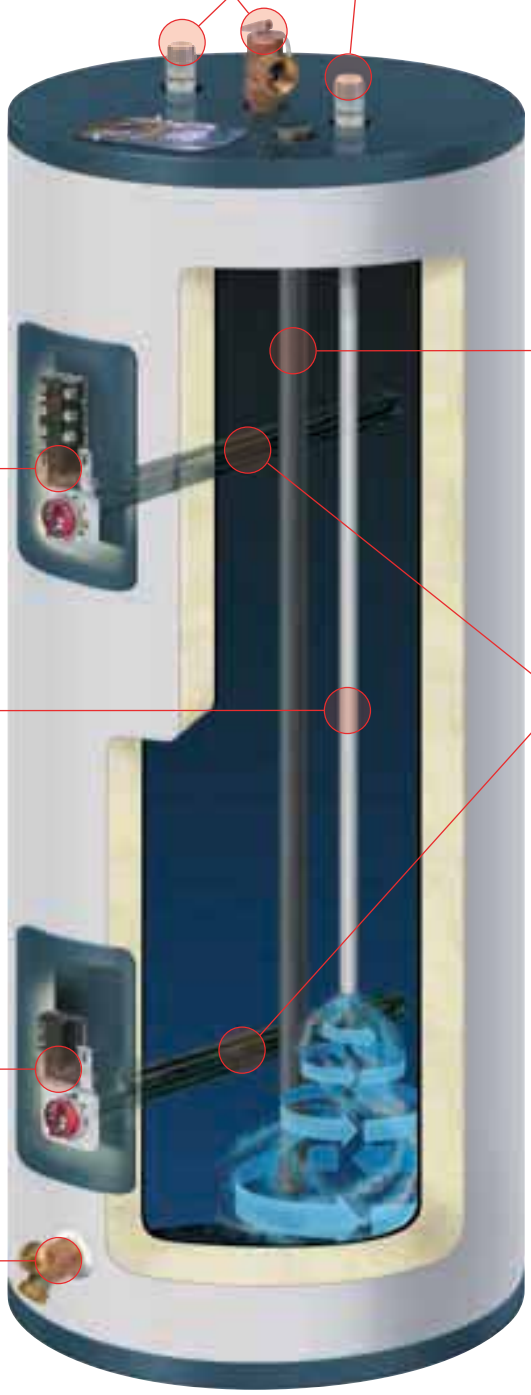
WATER HEATER PARTS

Electric Water Heater Elements
Element Accessories
Heater Tune-Up Kit – Electric Water Heaters
Thermocouples – Gas Water Heaters
Installation Accessories
Fittings & Nipples – Water Heaters
T&P Valve Run-Off Tubes
Dip Tubes
Anode Rods
Water Heater Drain Pans
Water Heater Stand
Floodstop Leak Detector Systems

RESIDENTIAL ELECTRIC WATER HEATER CONSTRUCTION

TEMPERATURE AND PRESSURE RELIEF VALVE
Commonly referred to as the "T&P" valve. This safety device opens to allow water to escape from the water heater in the unlikely event that either the tank pressure or temperature becomes excessive.

PLASTIC LINED NIPPLES/HEAT TRAPS
Thermoplastic lined nipples impede galvanic corrosion. "Heat trap" nipples also contain a check valve to reduce heat loss between hot water in the tank and cold water pipes.



ANODE ROD
A replaceable component made of magnesium alloy or other metals that protects the tank against premature corrosion.

UPPER THERMOSTAT
Maintains desired temperature of the water by controlling the power going to the heating elements. Also controls the lower thermostat.

COLD WATER INLET AND DIP TUBE
The connection point for incoming cold water. The inlet connects directly to a dip tube which directs the incoming water to the bottom of the tank.

HEATING ELEMENTS
The heart of an electric water heater. Heating elements generate the heat required to bring the water in the tank to the desired temperature. Elements are made from either Stainless Steel or Copper. The voltage and wattage requirements are dependent on the heater's capacity.

LOWER THERMOSTAT
Maintains desired temperature of the water by regulating the power going to the lower heating element.

DRAIN VALVE
Plastic or metal valve that allows the tank to be emptied should service be required.

ELECTRIC WATER HEATER ELEMENTS

SCREW-IN ELEMENTS – 1 INCH

- Fits most water heaters – screw-in elements with 1 inch NPSM threads fit most water heaters which use screw-in type elements.
- Sheath Material Guide
  Stainless Steel: premium corrosion protection for long life
  Copper: high quality corrosion protection; may be coated withtin, nickel or other protective finish
- Watt Density Guide – lower watt density means the element stays cooler and will last longer.
  LWD: low watt density (100 watts/square inch or less)
  MWD: medium watt density (101 – 150 watts/square inch)
  HWD: high watt density (over 150 watts/square inch)

UV12904

Stainless Steel

PART NO	INPUT VOLTAGE (V)	WATTAGE @120V (W)	WATTAGE @240V (W)	WATT DENSITY CLASS	ELEMENT LENGTH FLANGE TO TIP (IN)	OUTER SHEATH MATERIAL
UV13050B*	120	1500	—	LWD	7.48	Stainless Steel (Incoloy)
UV13050A*	240	—	2500	LWD	10.83	Stainless Steel (Incoloy)
UV12903	240	—	3500	LWD	13.90	Stainless Steel (Chromalox)
UV12904#	240	—	4500	LWD	13.44	Stainless Steel (Incoloy)
UV12905*	240	—	5500	MWD	13.27	Stainless Steel (Incoloy)

UV12896

Copper

PART NO	INPUT VOLTAGE (V)	WATTAGE @120V (W)	WATTAGE @240V (W)	WATT DENSITY CLASS	ELEMENT LENGTH FLANGE TO TIP (IN)	OUTER SHEATH MATERIAL
UV12890*	120	1500	—	MWD	7.63	Copper (with Plating)
UV12892*	120	2000	—	HWD	7.54	Copper (with Plating)
UV12891*	240	—	1500	MWD	7.63	Copper (with Plating)
UV12893*	240	—	2000	HWD	7.56	Copper (with Plating)
UV12894*	240	—	2500	HWD	9.38	Copper (with Plating)
UV12895*	240	—	3000	HWD	10.56	Copper (with Plating)
UV12896*	240	—	3500	HWD	12.60	Copper (with Plating)
UV12897*	240	—	3800	HWD	13.44	Copper (with Plating)
UV12898	240	—	4000	HWD	13.47	Copper (with Plating)
UV13049*	240	—	4500	HWD	7.96	Copper (with Plating)
UV12901*	240	—	4500	MWD	11.76	Copper (with Plating)
UV12899*	240	—	4500	HWD	13.50	Copper (with Plating)
UV12900*	240	—	5500	HWD	9.60	Copper (with Plating)

SCREW-IN ELEMENTS – 1-3/8 INCH

UV12902

Copper

PART NO	INPUT VOLTAGE (V)	WATTAGE @120V (W)	WATTAGE @240V (W)	WATT DENSITY CLASS	ELEMENT LENGTH FLANGE TO TIP (IN)	OUTER SHEATH MATERIAL
UV12902	240	—	4500	MWD	11.83	Copper (with Plating)

SSR = Stainless Steel Resistored SS = Stainless Steel CR = Copper Resistored CU = Copper
HWD = High Watt Density MWD = Medium Watt Density LWD = Low Watt Density

**Add 12PK to the end of the part number to order in case packs of twelve. #Add 6PK to the end of the part number to order in case packs of six.*

ELECTRIC WATER HEATER ELEMENTS

FLANGE ELEMENTS – RAISED

- Sheath Material Guide
  Stainless Steel: premium corrosion protection for long life
  Copper: high quality corrosion protection; may be coated withtin, nickel or other protective finish
- Watt Density Guide – lower watt density means the element stays cooler and will last longer.
  LWD: low watt density (100 watts/square inch or less)
  MWD: medium watt density (101 – 150 watts/square inch)
  HWD: high watt density (over 150 watts/square inch)

UV13048

Stainless Steel

PART NO	INPUT VOLTAGE (V)	WATTAGE @240V (W)	WATT DENSITY CLASS	ELEMENT LENGTH FLANGE TO TIP (IN)	OUTER SHEATH MATERIAL
UV12911*	240	2500	LWD	10.81	Stainless Steel (Chromalox)
UV13048*	240	4500	LWD	13.94	Stainless Steel (Incoloy)

UV13047C

Copper

PART NO	INPUT VOLTAGE (V)	WATTAGE @120V (W)	WATTAGE @240V (W)	WATT DENSITY CLASS	ELEMENT LENGTH FLANGE TO TIP (IN)	OUTER SHEATH MATERIAL
UV12944*	120	1500	—	MWD	7.68	Copper (with Plating)
UV12908*	240	—	1500	MWD	6.18	Copper (with Plating)
UV13047D*	240	—	2500	HWD	9.44	Copper (with Plating)
UV13047A*	240	—	3000	HWD	10.66	Copper (with Plating)
UV12909*	240	—	3500	HWD	12.75	Copper (with Plating)
UV13047C*	240	—	4500	HWD	7.94	Copper (with Plating)
UV12910#	240	—	4500	HWD	13.68	Copper (with Plating)
UV13047B*	240	—	5500	HWD	10.03	Copper (with Plating)

FLANGE ELEMENTS – FLAT

UV12907

Copper

PART NO	INPUT VOLTAGE (V)	WATTAGE @240V (W)	WATT DENSITY CLASS	ELEMENT LENGTH FLANGE TO TIP (IN)	OUTER SHEATH MATERIAL
UV13051*	240	4500	MWD	11.75	Copper (with Plating)
UV12907*	240	4500	HWD	13.50	Copper (with Plating)

SSR = Stainless Steel Resistored SS = Stainless Steel CR = Copper Resistored CU = Copper
HWD = High Watt Density MWD = Medium Watt Density LWD = Low Watt Density

**Add 12PK to the end of the part number to order in case packs of twelve. #Add 6PK to the end of the part number to order in case packs of six.*

ELEMENT ACCESSORIES

UV38628

Element Wrench

- Specially designed to fit all screw-in electric water heater elements.
- Fits standard 1-1/2" hex heads used on most water heaters
- Allows use of screwdriver for additional leverage

PART NO	DESCRIPTION
UV38628*	Element Wrench (Fits 1-1/2 in. Hex)

UV12914

Element Gasket Kit

Includes all gaskets commonly used with various types of water heater elements.
- Round gasket for screw-in elements: 1-1/4" ID x 1-1/2" OD x 5/32" thick
- Round gasket for flange elements: 1-1/8" ID x 1-11/16" OD x 1/2" thick
- Square gasket for flange elements: 1-1/4" opening, 2-1/2 x 2-1/2", 1/16" thick

PART NO	DESCRIPTION
UV12914#	Element gasket kit

UV6830

Adapt-O-Flange Element Conversion Kit

Allows the use of a standard screw-in element in a water heater that originally used a flange element.

PART NO	DESCRIPTION
UV6830*	Adapt-O-Flange Element Conversion Kit

Continuity Tester

Designed specifically for use with electric water heater elements by determining whether the internal filament inside the element is intact. Includes LED probe and alligator clamp with 23-1/2" long lead.

PART NO	DESCRIPTION
UV49859	Continuity tester w/ 23-1/2" lead alligator clip

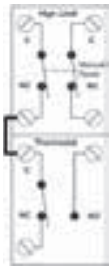
HEATER TUNE-UP KIT – ELECTRIC WATER HEATERS

Provides a quick and easy way to replace the most common items on the most popular water heaters.
- Includes two 240V/4500W screw-in elements with gaskets
- Includes both upper and lower thermostat

PART NO	DESCRIPTION
UV20018*	Electric Water Heater Tune-Up Kit

THERMOSTATS – ELECTRIC WATER HEATERS

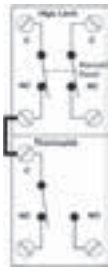
ELECTRIC THERMOSTATS WITH HIGH LIMIT CONTROL



2-Pole High Limit – Normally Open/Normally Closed Thermostat Contacts (TOD)

The most popular upper thermostat in residential electric water heaters. These heaters often have a "non-simultaneous" design, which means only one element is on at any given time. Manufactured by TOD. See below for a similar design from APCOM.

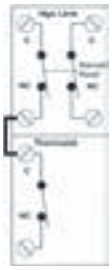
PART NO	HIGH LIMIT SETTING (F)	CONTACT CONFIG	HIGH LIMIT ADJUSTMENT RANGE (F)	THERMOSTAT CONTACT CONFIG	THERMOSTAT HIGH LIMIT CONTROL	MANUFACTURER	MANUFACTURER SERIES
UV11698*	170	DPST	90 to 150	SPDT	Manual Reset	TOD	59T/66T



2-Pole High Limit – Normally Open/Normally Closed Thermostat Contacts (APCOM)

The most popular upper thermostat in residential electric water heaters. These heaters often have a "non-simultaneous" design, which means only one element is on at any given time. Manufactured by APCOM. See above for a similar design from Therm-O-Disc (TOD).

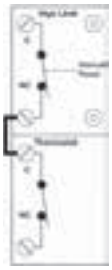
PART NO	HIGH LIMIT SETTING (F)	CONTACT CONFIG	HIGH LIMIT ADJUSTMENT RANGE (F)	THERMOSTAT CONTACT CONFIG	THERMOSTAT HIGH LIMIT CONTROL	MANUFACTURER	MANUFACTURER SERIES
UV13359*	180	DPST	110 to 160	SPDT	Manual Reset	APCOM	WH10A



2-Pole High Limit – Normally Closed Thermostat Contacts (TOD)

Commonly used as the upper thermostat in residential electric water heaters with "simultaneous" design, which means both elements are on at the same time.

PART NO	HIGH LIMIT SETTING (F)	CONTACT CONFIG	HIGH LIMIT ADJUSTMENT RANGE (F)	THERMOSTAT CONTACT CONFIG	THERMOSTAT HIGH LIMIT CONTROL	MANUFACTURER	MANUFACTURER SERIES
UV11699*	170	DPST	90 to 150	SPST	Manual Reset	TOD	59T/66T



2-Pole High Limit – Normally Closed Thermostat Contacts (TOD)

Commonly used for 120V residential water heaters with only one element.

PART NO	HIGH LIMIT SETTING (F)	CONTACT CONFIG	HIGH LIMIT ADJUSTMENT RANGE (F)	THERMOSTAT CONTACT CONFIG	THERMOSTAT HIGH LIMIT CONTROL	MANUFACTURER	MANUFACTURER SERIES
UV11700*	170	SPST	90 to 150	SPST	Manual Reset	TOD	59T/66T

ELECTRIC THERMOSTATS WITHOUT HIGH LIMIT CONTROL

Electric Thermostats without High Limit Control (TOD)

Used as the lower thermostat in residential electric water heaters. Manufactured by TOD. See below for a similar design from APCOM.

PART NO	THERMOSTAT ADJ RANGE (F)	THERMOSTAT CONTACT CONFIG	MANUFACTURER	MANUFACTURER SERIES
UV11695*	90 to 150	SPST	TOD	59T

Electric Thermostats without High Limit Control (APCOM)

Used as the lower thermostat in residential electric water heaters. Manufactured by APCOM. See above for a similar design from Therm-O-Disc (TOD).

PART NO	THERMOSTAT ADJ RANGE (F)	THERMOSTAT CONTACT CONFIG	MANUFACTURER	MANUFACTURER SERIES
UV13360*	110 to 160	SPST	APCOM	WH9

THERMOCOUPLES – GAS WATER HEATERS

Universal Thermocouples

These thermocouples can be used for a wide variety of manufacturers. Includes positioning adapters for various pilot configurations.

PART NO	OVERALL LENGTH (IN.)	BULB DIAMETER (IN.)	BULB LENGTH (IN.)	GAS VALVE END FITTING O.D. (IN.)
UV6379L	18	3/16	2-1/8	11/32-32NS
UV6379R	24	3/16	2-1/8	11/32-32NS
UV6379S	36	3/16	2-1/8	11/32-32NS
UV6379T	48	3/16	2-1/8	11/32-32NS

INSTALLATION ACCESSORIES

Water Connection Kits

PART NO	DESCRIPTION
UV20009	Water Connection Kit – 12 in. Connectors
UV20010	Water Connection Kit – 15 in. Connectors
UV20011	Water Connection Kit – 18 in. Connectors
UV20012	Water Connection Kit – 12 in. Connectors (Includes Compression Fittings)

Copper Flexible Water Connectors

PART NO	LENGTH (IN)	CONNECTOR TUBE MATERIAL	CONNECTOR TUBE OD (IN)	FITTING 1 TYPE	FITTING 1 SIZE (IN)	FITTING 2 TYPE	FITTING 2 SIZE (IN)
UV10351	12	Copper	3/4	NPT – Female	3/4	NPT - Female	3/4
UV10505	15	Copper	3/4	NPT – Female	3/4	NPT - Female	3/4
UV10506*	18	Copper	3/4	NPT – Female	3/4	NPT - Female	3/4

Stainless Steel Flexible Water Connectors

- Flexible stainless steel corrugated connector provides for easy installation
- Gaskets included on both ends to prevent leaks

PART NO	LENGTH (IN)	CONNECTOR TUBE MATERIAL	CONNECTOR TUBE OD (IN)	FITTING 1 TYPE	FITTING 1 SIZE (IN)	FITTING 2 TYPE	FITTING 2 SIZE (IN)
UV12927	12	Stainless Steel	3/4	NPT – Female	3/4	NPT - Female	3/4
UV12928	15	Stainless Steel	3/4	NPT – Female	3/4	NPT - Female	3/4
UV12929	18	Stainless Steel	3/4	NPT – Female	3/4	NPT - Female	3/4

Gas Water Heater Installation Kits

Contains most of the commonly needed basic installation items for most residential gas water heaters.

PART NO	DESCRIPTION
UV20015	Gas Water Heater Installation Kit – 12 in. Connectors
UV20016*	Gas Water Heater Installation Kit – 15 in. Connectors
UV20017	Gas Water Heater Installation Kit – 18 in. Connectors

Electric Water Heater Installation Kits

Contains most of the commonly needed basic installation items for most residential electric water heaters.

PART NO	DESCRIPTION
UV20013#	Electric Water Heater Installation Kit – 15 in. Connectors
UV20014	Electric Water Heater Installation Kit – 18 in. Connectors

FITTINGS & NIPPLES – WATER HEATERS

Dielectric Union

Connects copper pipe to threaded connection. Dielectric insulator helps prevent corrosion at junction between dissimilar metals.

PART NO	FITTING 1 PLUMBING SIZE (IN)	FITTING 1 TYPE	FITTING 2 NPT SIZE (IN)	FITTING 2 TYPE	MATERIAL
UV13045	3/4	Sweat	3/4	Pipe thread – Female	Brass / Zinc plated steel

Compression Fittings (Sets of 2)

Connects copper pipe to threaded connection. No soldering required.

PART NO	FITTING 1 PLUMBING SIZE (IN)	FITTING 1 TYPE	FITTING 2 NPT SIZE (IN)	FITTING 2 TYPE	MATERIAL
UV10354	1/2	Compression	3/4	Pipe thread - Male	Brass
UV10374	3/4	Compression	3/4	Pipe thread - Male	Brass

Nipples – Plastic Lined (Sets of 2)

Plastic lined nipples are used for the hot and cold water connections of the water heater.

PART NO	NPT THREAD SIZE (IN)	LENGTH (IN)	HEAT TRAP TYPE	MATERIAL
UV8397G*	3/4	2-1/4	—	Zinc plated steel / Polypropylene liner

Nipples – Plastic Lined with Heat Trap (sets of 2)

Used for the hot and cold water connections of the water heater. The integral heat traps prevent conductive heat loss between the heated water in the water heater and the connected piping.

PART NO	NPT THREAD SIZE (IN)	LENGTH (IN)	HEAT TRAP TYPE	MATERIAL
UV12992*	3/4	3	Flapper	Zinc plated steel / Polypropylene liner

Drain Valve – Brass with Screwdriver Handle

Connects copper pipe to threaded connection. No soldering required.

PART NO	BODY MATERIAL	SHANK LENGTH (IN)	TANK FITTING SIZE NPT (IN)	GARDEN HOSE FITTING SIZE ACTUAL (IN)	GARDEN HOSE FITTING SIZE NHR NOM (IN)
UV12112G	Brass	2-1/4	3/4	1-1/16	3/4

Drain Valve – Poly with Handgrip Handle

PART NO	BODY MATERIAL	SHANK LENGTH (IN)	TANK FITTING SIZE NPT (IN)	GARDEN HOSE FITTING SIZE ACTUAL (IN)	GARDEN HOSE FITTING SIZE NHR NOM (IN)
UV12039*	Poly	2-1/4	3/4	1-1/16	3/4

T&P Valves

Temperature and pressure relief valves are emergency safety limit devices that will prevent or relieve overheated water or excessive pressure.

PART NO	OVERALL LENGTH (IN)	BODY LENGTH (IN)	SENSOR LENGTH (IN)	NLET THREAD SIZE NPT (IN)	OUTLET THREAD SIZE NPT (IN)	CSA CAPACITY (BTU/HR)	MAX PRESSURE SETTING (PSI)	MAX TEMP SETTING (F)
UV6571B*	7-1/4	3-1/4	4	3/4	3/4	105,000	150	210
UV8346	7-1/4	4-1/4	3	3/4	3/4	105,000	150	210

T&P VALVE RUN-OFF TUBES

These tubes connect to the temperature and pressure relieve valve (T&P Valve) to direct any water released away from the water heater and into a drain.

T&P Valve Run-Off Tube (Top Mount)

Recommended when the T&P Valve is located on the top of the water heater.

PART NO	CONFIGURATION	NPT NIPPLE THREAD SIZE (IN)	TUBE DIAMETER (IN)	TOTAL LENGTH (IN)
UV11956B	Top mount	3/4	13/16	58-1/2 x 12-1/2

T&P Valve Run-Off Tube (Side Mount)

Recommended when the T&P Valve is located on the side of the water heater.

PART NO	CONFIGURATION	NPT NIPPLE THREAD SIZE (IN)	TUBE DIAMETER (IN)	TOTAL LENGTH (IN)
UV11955C	Side mount	3/4	13/16	63

DIP TUBES

Dip Tubes are located at the cold water inlet to your water heater. They direct the water down into the lower part of the tank. As it is heated, the water then rises to the top of the tank where it is withdrawn from the outlet tube. There are several different types of outlets, open, helix and closed. Each of these will distribute the water into the tank in a different way. It is generally recommended that your replace your dip tube with the same type already in the heater. Note that an open end tubes can be cut to length if it is too long for shorter tanks.

Dip Tube – Flare with Open End

PART NO	TUBE DIAMETER (IN)	TOTAL LENGTH (IN)	INLET FITTING	TUBE MATERIAL
UV11248R	3/4	54-3/4	Flare	Polypropylene

Dip Tubes – Heat Trap Nipple with Open End

PART NO	NPT NIPPLE THREAD SIZE (IN)	NIPPLE LENGTH (IN)	TUBE DIAMETER (IN)	TOTAL LENGTH (IN)	INLET FITTING	TUBE MATERIAL
UV12933	3/4	2	1/2	53	Nipple	Polypropylene

ANODE RODS

Anode rods are the most important line of defense in increasing water heater tank life and preventing leaks. These devices work because the metal in the rod is more easily corroded than the metal of the water heater tank. You should check and replace your anode rod on a regular basis. When the rod is depleted, it can no longer protect your tank.

Anode Rod – Magnesium

PART NO	TOTAL LENGTH (IN)	ROD DIAMETER (IN)	HEX HEAD SIZE (IN)	NPT THREAD SIZE (IN)	ANODIC MATERIAL
UV11524C	44-3/16	0.840	1-1/16	3/4	Magnesium

ANODE RODS

Anode Rod – Aluminum

- Special aluminum anode rods for applications where “sulfur smell” in water is a problem
- Can be cut to length for shorter tanks

PART NO	TOTAL LENGTH (IN)	ROD DIAMETER (IN)	HEX HEAD SIZE (IN)	NPT THREAD SIZE (IN)	ANODIC MATERIAL
UV12938	42	0.625	1-1/8	3/4	—

Flexible Anode Rod – Aluminum

- Special anode rod for applications where access to the top of tank is restricted (such as when the water heater is installed underneath a staircase or in a crawlspace). Flexible rod links allow the rod to be fed into the tank opening in these low clearance installations.
- Links can be removed for shorter tanks

PART NO	TOTAL LENGTH (IN)	ROD DIAMETER (IN)	HEX HEAD SIZE (IN)	NPT THREAD SIZE (IN)	ANODIC MATERIAL
UV99004	42	0.750	1-1/16	3/4	Aluminum

WATER HEATER DRAIN PANS

Water Heater Drain Pans – Plastic

Durable plastic drain pans with 1 in. glue PVC fitting; for electric water heaters only.

PART NO	BOTTOM DIAMETER (IN)	TOP DIAMETER (IN)	HEIGHT (IN)	DRAIN HOLE SIZE (IN)	MATERIAL
UV12934	20	22	2-3/4	1-3/8	Plastic
UV12937	22	24	2-3/4	1-3/8	Plastic
UV12935	24	26	2-3/4	1-3/8	Plastic
UV12936	26	28	2-3/4	1-3/8	Plastic

Water Heater Drain Pans – Aluminum

Aluminum drain pans with 1 in. glue PVC fitting; for gas or electric water heaters.

PART NO	BOTTOM DIAMETER (IN)	TOP DIAMETER (IN)	HEIGHT (IN)	DRAIN HOLE SIZE (IN)	MATERIAL
UV12939	20	21	2-1/8	1-3/8	Aluminum
UV12941	22	23	2-1/8	1-3/8	Aluminum
UV12942	24	25	2-1/8	1-3/8	Aluminum
UV12940	26	28	2	1-3/8	Aluminum

WATER HEATER STAND

- Durable galvanized steel water heater stand
- Recommended for 30 to 50 gallon water heater; 660 pound weight limit
- Easy screw and nut assembly

PART NO	DESCRIPTION
UV13044	Water Heater Stand – 21 in. x 21 in. x 16 in.

FLOODSTOP LEAK DETECTOR SYSTEMS

Household water damage exceeds $5 billion each year and the average flood costs homeowners more than $5,500. The vast majority of water damage is related to leaking washing machines, dishwashers, water heaters and ice makers. The FloodStop™ leak detection systems automatically sense water leaks and shut off the water supply to the controlled appliances. Features include:

- Automatic shut-off ball valves with high quality solid brass bodies and durable 5-stage gearboxes for reliable operation
- Multiple power options; Includes 120VAC power supply; can use 4C batteries as either backup or primary power if AC is not available
- Vacation settings allow valve shut-off when away
- Low profile sensors (less than 1/8 inch high) allow for placement under appliances or in tight spaces
- Easy installation
- Includes a set of normally open and normally closed alarm contacts
- 1-year limited warranty

Water Heater Point of Use Leak Detector System

Designed specifically to monitor and stop leaks around water heaters.

- Includes 3/4 inch NPT automatic shut-off ball valve
- Includes one leak detector; additional leak detectors may be added in series

PART NO	APPLICATION	NPT BALL VALVE CONNECTION SIZE (IN)
UV34NPT	Water Heater Point of Use	3/4

Washing Machine Point of Use Leak Detector System

Designed specifically to monitor and stop leaks around washing machines.

- Includes two 3/4 inch NPT automatic shut-off ball valves for use with standard washing machine supply hoses
- Includes one leak detector; additional leak detectors may be added in series

PART NO	APPLICATION	NPT BALL VALVE CONNECTION SIZE (IN)
UV34H-90	Washing Machine Point of Use	3/4

Whole House Wireless Leak Detector System

The whole house wireless system provides complete home protection by installing the automatic shut-off ball valve at the main water supply entrance and placing wireless sensors at potential leak points. Leak sensors and the controller wirelessly communicate through INSTEON® technology which uses both the existing home electric wiring and radio-frequency communication. INSTEON adds remote control and automation to lighting and home control applications of all types. An INSTEON program called ALL Link allows for opening and closing the ball valve remotely from anywhere in the world.

- Available with three size of automatic shut-off ball valves: 3/4, 1 or 1-1/4 inch NPT
- Includes four wireless leak sensor modules and four leak sensor pads
- Expandable to a total of 31 wireless sensor modules; each sensor module can support dozens of additional sensor pads with a range up to 6 ft. from the module
- Each leak sensor module can act as a signal booster (repeater) if used with AC power

PART NO	APPLICATION	NPT BALL VALVE CONNECTION SIZE (IN)
UV34NPTW	Whole House – Wireless	3/4
FS1NPTW	Whole House – Wireless	1
FS125NPTW	Whole House – Wireless	1-1/4

LEAK DETECTOR SYSTEM ACCESSORIES

CEXT-9 Control Extension Wire – 9 ft.

- Allows ball valve to be mounted 9 ft. further away from the control module
- Compatible with all FloodStop™ leak detector systems

PART NO	DESCRIPTION
CEXT-9	FloodStop Control Extension Wire – 9 ft.

CEXT-9 Control Extension Wire – 9 ft.

- Allows the control unit to be mounted 9 ft. further away from the transformer
- Compatible with all FloodStop™ leak detector systems

PART NO	DESCRIPTION
WAE-9	FloodStop Transformer Extension Cord – 9 ft.

XS-01 Wired Water Sensor Pad

- Allows dozens of additional sensor pads to be wired in series
- Includes 3 ft. long cable
- Compatible with Water Heater and Washing Machine Point of Use FloodStop™ leak detector systems

PART NO	DESCRIPTION
XS-01	FloodStop Wired Water Sensor Pad

XS-02 Wireless Water Sensor Pad

- Allows dozens of additional sensor pads to be wired in series
- Range up to 6 ft. from the sensor module
- Compatible with Whole House Wireless FloodStop™ leak detector systems

PART NO	DESCRIPTION
XS-02	FloodStop Wireless Sensor Pad

XSM Wireless Sensor Module

- Allows up to 31 wireless sensor modules to be added to the system
- Compatible with Whole House Wireless FloodStop™ leak detector systems

PART NO	DESCRIPTION
XSM	FloodStop Wireless Sensor Module

Ball Valve Units

- Available in various sizes and connection configurations
- Compatible with all FloodStop™ leak detector systems

PART NO	DESCRIPTION
FS3/4C	Ball Valve Unit – 3/4 Compressin Fitting (Water Heaters/Main Water Lines)
FS3/8C	Ball Valve Unit – 3/8 in. Compression Fitting (Ice Makers/Dishwashers/Toilets)
FS1NPT	Ball Valve Unit – 1 in. NPT (Water Heaters/Main Water Lines)
FS3/8CD	Ball Valve Unit – Dual 3/8 in. Compressiong Fitting (Sinks - Hot/Cold)
FS125NPT	Ball Valve Unit – 1-1/4 in. NPT (Water Heaters/Main Water Lines)
FS1/4C	Ball Valve Unit – 1/4 in. Compression Fitting (Ice Maker or Water Filter)

PART NO	DESCRIPTION	PAGE
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1000	FAST-STAT 1000 Wire Extender	13
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1412	Humidifier Pad	21
1507	Lineset Tape - Black - 2 in. x 60 yds.	77
1859	Condenser Motor - 1/6 hp 208-230/1/60 (1075 rpm/1 spd)	28
1860	Condenser Motor - 1/4 hp 208-230/1/60 (1075 rpm/1 spd)	28
1861	Condenser Motor - 1/3 hp 208-230/1/60 (1075 rpm/1 spd)	28
1862	Condenser Motor - 1/2 hp 208-230/1/60 (1075 rpm/1 spd)	28
1863	Blower Motor - 1/4 hp 120/1/60 (1075 rpm/3 spd)	26
1864	Blower Motor - 1/3 hp 120/1/60 (1075 rpm/3 spd)	26
1865	Blower Motor - 1/2 hp 120/1/60 (1075 rpm/3 spd)	26
1868	Condenser Motor - 3/4 hp 208-230/1/60 (1075 rpm/1 spd)	28
1893	Blower Motor - 3/4 hp 120-208-230/1/60 (1725 rpm/1 spd)	26
1971	Blower Motor - 1/4 hp 208-230/1/60 (1075 rpm/3 spd)	26
1972	Blower Motor - 1/3 hp 208-230/1/60 (1075 rpm/3 spd)	26
1973	Blower Motor - 1/2 hp 208-230/1/60 (1075 rpm/3 spd)	26
2010	Thermister Probe - 0.5 in.	126
3000	FAST-STAT 3000 Wire Extender	13
3323	Condenser Motor - 1/3-1/6 hp 208-230/1/60 (1075 rpm/1 spd)	28
4011	Pipe Strap Thermister Temperature Probe	126
5000	FAST-STAT 5000 Wire Extender	13
5460	Blower Motor - 1/6-1/2 hp 120/1/60 (1075 rpm/4 spd)	26
5461	Blower Motor - 1/6-1/2 hp 208-230/1/60 (1075 rpm/4 spd)	26
5462	Condenser Motor - 1/3-1/6 hp 208-230/1/60 (1075 rpm/2 spd)	28
5464	Condenser Motor - 1/3-1/6 hp 208-230/1/60 (825 rpm/2 spd)	28
5465	Condenser Motor - 1/5-1/2 hp 208-230/1/60 (1075 rpm/2 spd)	28
5470	Blower Motor - 1/5-3/4hp 120/1/60 (1075 rpm/4 spd)	26
5471	Blower Motor - 1/5-3/4hp 208-230/1/60 (1075 rpm/4 spd)	26
7000	FAST-STAT 7000 Wire Extender	13
8100	Blower Motor - 1/3 hp 120/1/60 (1725 rpm/1 spd)	26
8200	Blower Motor - 1/2 hp 120/1/60 (1725 rpm/1 spd)	26
8431	Liquid-Tight Flexible Non-Metallic Conduit (1/2 in. x 100 ft.)	34
8432	Liquid-Tight Flexible Non-Metallic Conduit (3/4 in. x 100 ft.)	34
8904	Blower Motor - 3/4 hp 120/1/60 (1075 rpm/3 spds)	26
8905	Blower Motor - 3/4 hp 208-230/1/60 (1075 rpm/3 spds)	26
8924	Battery Charger with Lugs (to charge battery outside of unit)	155
8944	Vehicle Adapter for Battery Charger	155
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31232	Great White Pipe Joint Compound with PTFE - 16 oz.	95
31233	Great White Pipe Joint Compound with PTFE - 32 oz.	95
31261	Great Blue Pipe Joint Compound - 4 oz.	95
31262	Great Blue Pipe Joint Compound - 8 oz.	95
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40336	Refrigerant Hose Set - 3 ft. (Standard Fittings)	121
40360	Refrigerant Hose Set - 5 ft. (Standard Fittings)	121
40372	Refrigerant Hose Set - 6 ft. (Standard Fittings)	121
41601	Refrigerant Hose - Blue 5 ft. (Standard Fittings)	121
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41603	Refrigerant Hose - Red 5 ft. (Standard Fittings)	121
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45601	Refrigerant Hose - Blue 5 ft. (Anti-Blowback Fittings)	121
45602	Refrigerant Hose - Yellow 5 ft. (Anti-Blowback Fittings)	121
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46360	Refrigerant Hose Set - 5 ft. (Anti-Blowback Fittings)	121
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59161	Manifold - Brass 2-Way - R-22/R-404A/R-410A	120
59261	Manifold - Brass 2-Way - R-22/R-404A/R-410A	120
59861	Manifold - Aluminum 3-Way - R-22/R-404A/R-410A	120
62010	Refrigerant Recovery Cylinder - 400 psi (30 lbs)	66
62011	Refrigerant Recovery Cylinder - 400 psi (30 lbs) w/Float Switch	66
63010	Refrigerant Recovery Cylinder - 400 psi (50 lbs)	66
65010	Refrigerant Recovery Cylinder - 400 psi (50 lbs) w/Float Switch	66
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362208	Nipple - Black Pipe (1/2 in. x 2 in. long)	60
362209	Nipple - Black Pipe (1/2 in. x 2-1/2 in. long)	60
362210	Nipple - Black Pipe (1/2 in. x 3 in. long)	60
362211	Nipple - Black Pipe (1/2 in. x 3-1/2 in. long)	60
362213	Nipple - Black Pipe (1/2 in. x 4-1/2 in. long)	60
362214	Nipple - Black Pipe (1/2 in. x 5 in. long)	60
362215	Nipple - Black Pipe (1/2 in. x 5-1/2 in. long)	60
362216	Nipple - Black Pipe (1/2 in. x 6 in. long)	60
362218	Nipple - Black Pipe (1/2 in. x 7 in. long)	60
362220	Nipple - Black Pipe (1/2 in. x 8 in. long)	60
362222	Nipple - Black Pipe (1/2 in. x 9 in. long)	60
362224	Nipple - Black Pipe (1/2 in. x 10 in. long)	60

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362233	Cut Black Pipe - (1/2 in. x 18 in. long)	60
362234	Cut Black Pipe - (1/2 in. x 24 in. long)	60
362235	Cut Black Pipe - (1/2 in. x 30 in. long)	60
362237	Cut Black Pipe - (1/2 in. x 48 in. long)	60
362238	Nipple - Black Pipe (1/2 in. x 60 in. long)	60
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362242	Nipple - Black Pipe (3/4 in. x 1-1/2 in. long)	61
362244	Nipple - Black Pipe (3/4 in. x 2-1/2 in. long)	61
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362247	Nipple - Black Pipe (3/4 in. x 4 in. long)	61
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362249	Nipple - Black Pipe (3/4 in. x 5 in. long)	61
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362276	Nipple - Black Pipe (1 in. x Close)	61
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362279	Nipple - Black Pipe (1 in. x 3 in. long)	61
362280	Nipple - Black Pipe (1 in. x 3-1/2 in. long)	61
362282	Nipple - Black Pipe (1 in. x 4-1/2 in. long)	61
362283	Nipple - Black Pipe (1 in. x 5 in. long)	61
362284	Nipple - Black Pipe (1 in. x 5-1/2 in. long)	61
362285	Nipple - Black Pipe (1 in. x 6 in. long)	61
362287	Nipple - Black Pipe (1 in. x 7 in. long)	61
362289	Nipple - Black Pipe (1 in. x 8 in. long)	61
362291	Nipple - Black Pipe (1 in. x 9 in. long)	61
362293	Nipple - Black Pipe (1 in. x 10 in. long)	61
362295	Nipple - Black Pipe (1 in. x 11 in. long)	61
362297	Nipple - Black Pipe (1 in. x 12 in. long)	61
362303	Cut Black Pipe - (1 in. x 18 in. long)	61
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AC11812SSPT	Tubing Insulation w/Protape - 1-1/8 in. I.D. x 1/2 in. Wall x 6 ft.	90
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AC11834SSPT	Tubing Insulation w/Protape - 1-1/8 in. I.D. x 3/4 in. Wall x 6 ft.	90
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AC1212	Tubing Insulation - 1/2 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC1212SSPT	Tubing Insulation w/Protape - 1/2 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC1234	Tubing Insulation - 1/2 in. I.D. x 3/4 in. Wall x 6 ft.	88
AC1234SSPT	Tubing Insulation w/Protape - 1/2 in. I.D. x 3/4 in. Wall x 6 ft.	90

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AC1238SSPT	Tubing Insulation w/Protape - 1/2 in. I.D. x 3/8 in. Wall x 6 ft.	90
AC13810	Tubing Insulation - 1-3/8 in. I.D. x 1 in. Wall x 6 ft.	89
AC13810SSPT	Tubing Insulation w/Protape - 1-3/8 in. I.D. x 1 in. Wall x 6 ft.	90
AC13812	Tubing Insulation - 1-3/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC13812SSPT	Tubing Insulation w/Protape - 1-3/8 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC13834	Tubing Insulation - 1-3/8 in. I.D. x 3/4 in. Wall x 6 ft.	88
AC13834SSPT	Tubing Insulation w/Protape - 1-3/8 in. I.D. x 3/4 in. Wall x 6 ft.	90
AC13838	Tubing Insulation - 1-3/8 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC13838SSPT	Tubing Insulation w/Protape - 1-3/8 in. I.D. x 3/8 in. Wall x 6 ft.	90
AC1412	Tubing Insulation - 1/4 in. I.D. x 1/2 in. Wall x 6 ft.	89
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AC15810SSPT	Tubing Insulation w/Protape - 1-5/8 in. I.D. x 1 in. Wall x 6 ft.	90
AC15812	Tubing Insulation - 1-5/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC15812SSPT	Tubing Insulation w/Protape - 1-5/8 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC15834	Tubing Insulation - 1-5/8 in. I.D. x 3/4 in. Wall x 6 ft.	88
AC15834SSPT	Tubing Insulation w/Protape - 1-5/8 in. I.D. x 3/4 in. Wall x 6 ft.	90
AC15838	Tubing Insulation - 1-5/8 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC15838SSPT	Tubing Insulation w/Protape - 1-5/8 in. I.D. x 3/8 in. Wall x 6 ft.	90
AC17812SSPT	Tubing Insulation w/Protape - 1-7/8 in. I.D. x 1/2 in. Wall x 6 ft.	90
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AC21812	Tubing Insulation - 2-1/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC21834	Tubing Insulation - 2-1/8 in. I.D. x 3/4 in. Wall Thickness x 6 ft.	90
AC21838	Tubing Insulation - 2-1/8 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC21838SSPT	Tubing Insulation w/Protape - 2-1/8 in. I.D. x 3/8 in. Wall x 6 ft.	90
AC23810	Tubing Insulation - 2-3/8 in. I.D. x 1 in. Wall x 6 ft.	89
AC23810SSPT	Tubing Insulation w/Protape - 2-3/8 in. I.D. x 1 in. Wall x 6 ft.	90
AC23812	Tubing Insulation - 2-3/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC23812SSPT	Tubing Insulation w/Protape - 2-3/8 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC23838	Tubing Insulation - 2-3/8 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC25810	Tubing Insulation - 2-5/8 in. I.D. x 1 in. Wall x 6 ft.	89
AC25812	Tubing Insulation - 2-5/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC25838	Tubing Insulation - 2-5/8 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC25838SSPT	Tubing Insulation w/Protape - 2-5/8 in. I.D. x 3/8 in. Wall x 6 ft.	90
AC31210	Tubing Insulation - 3-1/2 in. I.D. x 1 in. Wall x 6 ft.	89
AC31210SSPT	Tubing Insulation w/Protape - 3-1/2 in. I.D. x 1 in. Wall x 6 ft.	90
AC31212SSPT	Tubing Insulation w/Protape - 3-1/2 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC31812	Tubing Insulation - 3-1/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC31838	Tubing Insulation - 3-1/8 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC31838SSPT	Tubing Insulation w/Protape - 3-1/8 in. I.D. x 3/8 in. Wall x 6 ft.	90
AC3410	Tubing Insulation - 3/4 in. I.D. x 1 in. Wall x 6 ft.	89
AC3410SSPT	Tubing Insulation w/Protape - 3/4 in. I.D. x 1 in. Wall x 6 ft.	90
AC3412	Tubing Insulation - 3/4 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC3412SSPT	Tubing Insulation w/Protape - 3/4 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC3434	Tubing Insulation - 3/4 in. I.D. x 3/4 in. Wall x 6 ft.	88
AC3434SSPT	Tubing Insulation w/Protape - 3/4 in. I.D. x 3/4 in. Wall x 6 ft.	90
AC3438	Tubing Insulation - 3/4 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC3438SSPT	Tubing Insulation w/Protape - 3/4 in. I.D. x 3/8 in. Wall x 6 ft.	90
AC35812	Tubing Insulation - 3-5/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC3810	Tubing Insulation - 3/8 in. I.D. x 1 in. Wall x 6 ft.	89
AC3812	Tubing Insulation - 3/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC3812SSPT	Tubing Insulation w/Protape - 3/8 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC3834	Tubing Insulation - 3/8 in. I.D. x 3/4 in. Wall x 6 ft.	88
AC3834SSPT	Tubing Insulation w/Protape - 3/8 in. I.D. x 3/4 in. Wall x 6 ft.	90
AC3838	Tubing Insulation - 3/8 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC41212	Tubing Insulation - 4-1/2 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC51234	Tubing Insulation - 5-1/2 in. I.D. x 3/4 in. Wall x 6 ft.	88
AC5810	Tubing Insulation - 5/8 in. I.D. x 1 in. Wall x 6 ft.	89
AC5810SSPT	Tubing Insulation w/Protape - 5/8 in. I.D. x 1 in. Wall x 6 ft.	90
AC5812	Tubing Insulation - 5/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC5812SSPT	Tubing Insulation w/Protape - 5/8 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC5834	Tubing Insulation - 5/8 in. I.D. x 3/4 in. Wall x 6 ft.	88
AC5834SSPT	Tubing Insulation w/Protape - 5/8 in. I.D. x 3/4 in. Wall x 6 ft.	90
AC5838	Tubing Insulation - 5/8 in. I.D. x 3/8 in. Wall x 6 ft.	88

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AC7810SSPT	Tubing Insulation w/Protape - 7/8 in. I.D. x 1 in. Wall x 6 ft.	90
AC7812	Tubing Insulation - 7/8 in. I.D. x 1/2 in. Wall x 6 ft.	89
AC7812SSPT	Tubing Insulation w/Protape - 7/8 in. I.D. x 1/2 in. Wall x 6 ft.	90
AC7834	Tubing Insulation - 7/8 in. I.D. x 3/4 in. Wall x 6 ft.	88
AC7834SSPT	Tubing Insulation w/Protape - 7/8 in. I.D. x 3/4 in. Wall x 6 ft.	90
AC7838	Tubing Insulation - 7/8 in. I.D. x 3/8 in. Wall x 6 ft.	88
AC7838SSPT	Tubing Insulation w/Protape - 7/8 in. I.D. x 3/8 in. Wall x 6 ft.	90
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SC-100-I	SlimDuct 90° Vertical Elbow - 4 in. x 2-3/4 in. (Ivory)	69
SC-100-W	SlimDuct 90° Vertical Elbow - 4 in. x 2-3/4 in. (White)	69
SC-140-B	SlimDuct 90° Vertical Elbow - 5-1/2 in. x 3 in. (Brown)	69
SC-140-I	SlimDuct 90° Vertical Elbow - 5-1/2 in. x 3 in. (Ivory)	69
SC-140-W	SlimDuct 90° Vertical Elbow - 5-1/2 in. x 3 in. (White)	69
SC-77-B	SlimDuct 90° Vertical Elbow - 3 in. x 2-1/2 in. (Brown)	69
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SCF-100-I	SlimDuct 45° Vertical Elbow - 4 in. x 2-3/4 in. (Ivory)	69
SCF-100-W	SlimDuct 45° Vertical Elbow - 4 in. x 2-3/4 in. (White)	69
SCF-140-B	SlimDuct 45° Vertical Elbow - 5-1/2 in. x 3 in. (Brown)	69
SCF-140-I	SlimDuct 45° Vertical Elbow - 5-1/2 in. x 3 in. (Ivory)	69
SCF-140-W	SlimDuct 45° Vertical Elbow - 5-1/2 in. x 3 in. (White)	69
SCF-77-B	SlimDuct 45° Vertical Elbow - 3 in. x 2-1/2 in. (Brown)	69
SCF-77-I	SlimDuct 45° Vertical Elbow - 3 in. x 2-1/2 in. (Ivory)	69
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SD-100-W	SlimDuct - 4 in. x 2-3/4 in. x 78 in. (White)	67
SD-140-B	SlimDuct - 5-1/2 in. x 3 in. x 78 in. (Brown)	67
SD-140-I	SlimDuct - 5-1/2 in. x 3 in. x 78 in. (Ivory)	67
SD-140-W	SlimDuct - 5-1/2 in. x 3 in. x 78 in. (White)	67
SD-77-B	SlimDuct - 3 in. x 2-1/2 in. x 78 in. (Brown)	67
SD-77-I	SlimDuct - 3 in. x 2-1/2 in. x 78 in. (Ivory)	67
SD-77-W	SlimDuct - 3 in. x 2-1/2 in. x 78 in. (White)	67
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SEN-100-B	SlimDuct End Fitting - 4 in. x 2-3/4 in. (Brown)	68
SEN-100-I	SlimDuct End Fitting - 4 in. x 2-3/4 in. (Ivory)	68
SEN-100-W	SlimDuct End Fitting - 4 in. x 2-3/4 in. (White)	68
SEN-140-B	SlimDuct End Fitting - 5-1/2 in. x 3 in. (Brown)	68
SEN-140-I	SlimDuct End Fitting - 5-1/2 in. x 3 in. (Ivory)	68
SEN-140-W	SlimDuct End Fitting - 5-1/2 in. x 3 in. (White)	68
SEN-77-B	SlimDuct End Fitting - 3 in. x 2-1/2 in. (Brown)	68
SEN-77-I	SlimDuct End Fitting - 3 in. x 2-1/2 in. (Ivory)	68
SEN-77-W	SlimDuct End Fitting - 3 in. x 2-1/2 in. (White)	68
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SF-100-800-W	SlimDuct Flexible Elbow - 4 in. x 2-3/4 in. (White)	69
SF-140-800-I	SlimDuct Flexible Elbow - 5-1/2 in. x 3 in. (Ivory)	69
SF-77-1000-I	SlimDuct Flexible Elbow - 4 in. x 2-3/4 in. (Ivory)	69
SF-77-500-B	SlimDuct Flexible Elbow - 3 in. x 2-1/2 in. (Brown)	69
SF-77-500-I	SlimDuct Flexible Elbow - 3 in. x 2-1/2 in. (Ivory)	69
SF-77-500-W	SlimDuct Flexible Elbow - 3 in. x 2-1/2 in. (White)	69
SFJ-100-B	SlimDuct Flexible Adapter - 4 in. x 2-3/4 in. (Brown)	69
SFJ-100-I	SlimDuct Flexible Adapter - 4 in. x 2-3/4 in. (Ivory)	69
SFJ-100-W	SlimDuct Flexible Adapter - 4 in. x 2-3/4 in. (White)	69
SFJ-77-B	SlimDuct Flexible Adapter - 3 in. x 2-1/2 in. (Brown)	69
SFJ-77-I	SlimDuct Flexible Adapter - 3 in. x 2-1/2 in. (Ivory)	69
SFJ-77-W	SlimDuct Flexible Adapter - 3 in. x 2-1/2 in. (White)	69
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SJ-100-I	SlimDuct Coupler - 4 in. x 2-3/4 in. (Ivory)	67
SJ-100-W	SlimDuct Coupler - 4 in. x 2-3/4 in. (White)	67

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SJ-140-I	SlimDuct Coupler - 5-1/2 in. x 3 in. (Ivory)	67
SJ-140-W	SlimDuct Coupler - 5-1/2 in. x 3 in. (White)	67
SJ-77-B	SlimDuct Coupler - 3 in. x 2-1/2 in. (Brown)	67
SJ-77-I	SlimDuct Coupler - 3 in. x 2-1/2 in. (Ivory)	67
SJ-77-W	SlimDuct Coupler - 3 in. x 2-1/2 in. (White)	67
SK-100-B	SlimDuct 90° Flat Elbow - 4 in. x 2-3/4 in. (Brown)	68
SK-100-I	SlimDuct 90° Flat Elbow - 4 in. x 2-3/4 in. (Ivory)	68
SK-100-W	SlimDuct 90° Flat Elbow - 4 in. x 2-3/4 in. (White)	68
SK-140-B	SlimDuct 90° Flat Elbow - 5-1/2 in. x 3 in. (Ivory)	68
SK-140-I	SlimDuct 90° Flat Elbow - 5-1/2 in. x 3 in. (Ivory)	68
SK-140-W	SlimDuct 90° Flat Elbow - 5-1/2 in. x 3 in. (Ivory)	68
SK-77-B	SlimDuct 90° Flat Elbow - 3 in. x 2-1/2 in. (Brown)	68
SK-77-I	SlimDuct 90° Flat Elbow - 3 in. x 2-1/2 in. (Ivory)	68
SK-77-W	SlimDuct 90° Flat Elbow - 3 in. x 2-1/2 in. (White)	68
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SKF-100-I	SlimDuct 45° Flat Elbow - 4 in. x 2-3/4 in. (Ivory)	69
SKF-100-W	SlimDuct 45° Flat Elbow - 4 in. x 2-3/4 in. (White)	69
SKF-140-B	SlimDuct 45° Flat Elbow - 5-1/2 in. x 3 in. (Brown)	68
SKF-140-I	SlimDuct 45° Flat Elbow - 5-1/2 in. x 3 in. (Ivory)	69
SKF-140-W	SlimDuct 45° Flat Elbow - 5-1/2 in. x 3 in. (White)	69
SKF-77-B	SlimDuct 45° Flat Elbow - 3 in. x 2-1/2 in. (Brown)	68
SKF-77-I	SlimDuct 45° Flat Elbow - 3 in. x 2-1/2 in. (Ivory)	69
SKF-77-W	SlimDuct 45° Flat Elbow - 3 in. x 2-1/2 in. (White)	69
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SP-100-I	SlimDuct Soffit Inlet - 4 in. x 2-3/4 in. (Ivory)	68
SP-100-W	SlimDuct Soffit Inlet - 4 in. x 2-3/4 in. (White)	68
SP-140-B	SlimDuct Soffit Inlet - 5-1/2 in. x 3 in. (Brown)	68
SP-140-I	SlimDuct Soffit Inlet - 5-1/2 in. x 3 in. (Ivory)	68
SP-140-W	SlimDuct Soffit Inlet - 5-1/2 in. x 3 in. (White)	68
SP-77-B	SlimDuct Soffit Inlet - 3 in. x 2-1/2 in. (Brown)	68
SP-77-I	SlimDuct Soffit Inlet - 3 in. x 2-1/2 in. (Ivory)	68
SP-77-W	SlimDuct Soffit Inlet - 3 in. x 2-1/2 in. (White)	68
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SS-5	GE Hard Start Kit 1 to 3 Ton	39
SW-100-B	SlimDuct Wall Inlet - 4 in. x 2-3/4 in. (Brown)	68
SW-100-I	SlimDuct Wall Inlet - 4 in. x 2-3/4 in. (Ivory)	68
SW-100-W	SlimDuct Wall Inlet - 4 in. x 2-3/4 in. (White)	68
SW-140-B	SlimDuct Wall Inlet - 5-1/2 in. x 3 in. (Brown)	68
SW-140-I	SlimDuct Wall Inlet - 5-1/2 in. x 3 in. (Ivory)	68
SW-140-W	SlimDuct Wall Inlet - 5-1/2 in. x 3 in. (White)	68
SW-77-B	SlimDuct Wall Inlet - 3 in. x 2-1/2 in. (Brown)	68
SW-77-I	SlimDuct Wall Inlet - 3 in. x 2-1/2 in. (Ivory)	68
SW-77-W	SlimDuct Wall Inlet - 3 in. x 2-1/2 in. (White)	68
SW111AF	Safety Glasses - Dakura Black/Clear Anti-Fog	84
SW111AR	Safety Glasses - Dakura Black/Anti-Reflective	84
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UV10506	Flexible Water Connectors - Copper - 18 in.	165
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UV11524C	Anode Rod - 0.840 in. diameter x 44-3/16 in.	167
UV11695	Thermostat - Electric	164
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UV11955C	T&P Run-Off Tube - Side Mount	167
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UV12039	Drain Valve - Poly	166
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UV12890	Element - 120V/1500W Copper - 1 in. Screw-in	161
UV12891	Element - 240V/1500W Copper - 1 in. Screw-in	161
UV12892	Element - 120V/2000W Copper - 1 in. Screw-in	161
UV12893	Element - 240V/2000W Copper - 1 in. Screw-in	161
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