

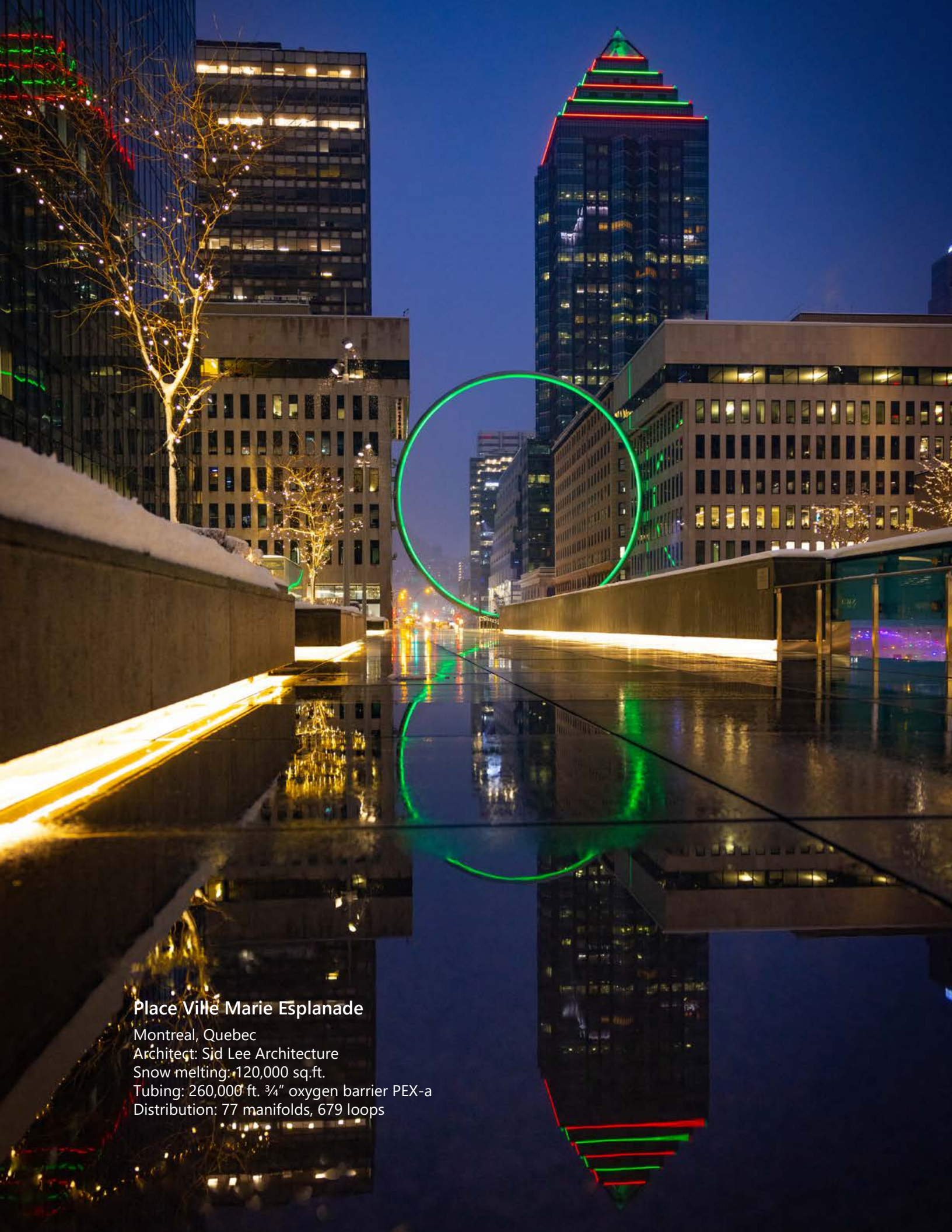


by  MOSACK GROUP

Plumbing, Heating, & Panels Product Catalog / Price List

Originally Effective April 1, 2025
Updated January 1, 2026

2025
USA



Place Ville Marie Esplanade

Montreal, Quebec

Architect: Sid Lee Architecture

Snow melting: 120,000 sq.ft.

Tubing: 260,000 ft. 3/4" oxygen barrier PEX-a

Distribution: 77 manifolds, 679 loops



About Us

HeatLink Group Inc. is a multi-system supplier of potable water and radiant hydronic heating/cooling and snow melt systems. For over 25 years we have created comfortable and efficient heating, cooling and plumbing systems for residential and commercial construction.

HeatLink's radiant heating systems create a comfortable and energy efficient environment for living. Our snow melt systems create safer public and private spaces that reduce liability for property owners, reduce maintenance, and ensure accessibility. Our well engineered plumbing systems provide peace of mind for property owners through extensive warranty protection, and enable quick and efficient installations for builders and contractors.

History

HeatLink began as a family owned business developed to service a number of industries including HVAC. The company grew to meet the needs of builders, contractors, and architects and began designing and installing radiant heating systems in 1985. Since 1985 HeatLink has grown into an industry leading designer and manufacturer of radiant heating, cooling, and potable water systems.

HeatLink has developed and manufactured a long list of industry firsts such as the "TwistSeal" tool-less manifold in 1996. The company began manufacturing PEX-a tubing in 1998 and now supplies the highest quality PEX-a systems to customers throughout North America and parts of Europe and Asia.

In 2017, HeatLink was acquired by Mueller Industries, a publicly traded manufacturer headquartered in Collierville, Tennessee..

In 2023, HeatLink was acquired by The Mosack Group, a privately owned manufacturer based in Mint Hill, North Carolina.

HeatLink works with a network of experienced and successful partner agencies to meet the design, system installation and training needs of the construction industry, designers, and architects.

Solutions

HeatLink is an industry leader in providing a broad range of potable water and radiant heating/cooling and snow melt systems for customers throughout the world. Our focus from our inception remains on creating well engineered and energy efficient solutions that are easy to install and last a lifetime.

Company Description

Our innovative plumbing and heating systems help provide a comfortable and worry free environment for people in residential and commercial work and living spaces. We continue to design quiet and energy efficient heating and potable water systems that are easy to install and last a lifetime. HeatLink was built on a strong family work ethic and a value system that remain the foundation for our continuing growth and industry leadership role.

About Our Parent Company

On April 24, 1928, American Lubricator and Brass Co. and Sterling & Skinner Manufacturing Co., two established Detroit-based manufacturers of brass valves and fittings, merged and adopted a new name, Consolidated Brass Company.

The company relocated to Charlotte, NC in 1955. It expanded to Pageland, SC in 1968 and to Conway, SC in 1982. The name of the company was changed to Consolidated Valve Industries in 1975 and Conbraco Industries, Inc. on July 28, 1977.

In June 2010, Aalberts Industries, a Dutch global technology company, purchased Conbraco. Over the next 10 years the Mosacks and Aalberts worked together to expand and strengthen the Apollo Valves name.

In 2018, Glenn Mosack broke out on his own and started The Mosack Group, Inc. by acquiring the retail division of Conbraco Industries, Inc. In 2020, The Mosack Group Inc. completed construction on a 126,000 sq. ft. corporate headquarters and warehouse in Mint Hill, NC. The headquarters expanded in 2022 by adding an additional 106,000 sq. ft. of warehouse and manufacturing space.

Today, The Mosack Group, Inc. is continually striving to be the premier solution for plumbing system connections.

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Please check our website to ensure that you have the latest version of this catalog.

Please note: this price list supersedes all previous price lists.

For your discount please contact your local sales representative.

Shipping Allowances

- Prices and specifications are subject to change without notice.
- Products shipped in multiples of quantity listed only.

Standard shipping times: 5 days from confirmed order (or less).

D/C pickups: 5 days from confirmed order (or less), scheduled with local HeatLink shipping department.

Minimum order value: \$100.00 net

Rush orders: Same day shipment if order confirmed by 11AM.
Next day if order confirmed after 11AM.
Next day freight charges applicable.
Rush charges may apply.

Backorders: Shipped with subsequent order to stocking distributor (if no subsequent order is in place, product will be shipped freight prepaid ground n/c).

Prepaid freight: \$5,000 net minimum order if ordering PEX coils.
\$10,000 net minimum order if ordering PEX straight lengths.
\$2,500 net minimum order if ordering fittings or components only.
Applies to the contiguous United States only.
Subject to change without notice.

Fuel surcharge: May apply on prepaid orders. Rates are subject to change without notice.

1. General Provisions

- (a) This agreement, performances of contract and quotations are made exclusively upon the terms and conditions set out below. Alterations or deviations from the provisions herein contained shall not be binding upon HeatLink Group Inc. unless confirmed in writing.
- (b) The Purchaser hereby accepts the terms and conditions herein contained in their entirety. Stipulations of terms and conditions contrary to the provision hereof according to the Purchaser's business or purchasing practices, invoicing, manner of payment or custom of the trade are hereby specifically agreed to be inapplicable to this agreement.
- (c) In the event that any one or more of the provisions herein contained shall become or be deemed to be invalid, illegal or unenforceable by operation of law, the validity, legality and enforceability of the remaining provisions or any part thereof shall not in any manner be affected or impaired thereby. In place and stead of any such invalid, illegal or unenforceable provisions of any part thereof, the parties hereto shall be deemed to have agreed upon terms and conditions, which, as far as permitted by law, express the intent and purpose of the within terms and conditions.

2. Plans and Specifications

- (a) Drawings, specifications and technical data appended to or forming part of the agreement shall at all times remain the property of HeatLink Group Inc., with all rights reserved and shall not be provided, submitted or disclosed to third parties without the express written consent of HeatLink Group Inc. Changes, alterations, deletions or additions thereto shall not be binding upon HeatLink Group Inc. unless confirmed in writing.

3. Prices and Quotations

- (a) HeatLink Group Inc. hereby specifically reserves the right to change, alter, amend or revoke quotations but the same shall become binding and irrevocable only upon written acceptance by both HeatLink Group Inc. and the Purchaser or upon delivery to and acceptance of goods by the Purchaser.
- (b) Prices are, save and except as otherwise agreed upon, as at HeatLink Group Inc.'s location in Calgary, Alberta, Canada, exclusive of cost of packaging, crating, freight or shipping, federal, provincial or local rates, tariffs and taxes in effect on date of delivery.
- (c) All contract prices are guaranteed for thirty (30) days from date of contract. Cost increases 30 days after contract date, including but not limited to cost increases of materials, wages, fuel, transportation or energy charges and increases in applicable federal, provincial and local rates, tariffs or taxes shall be added to the contract price and form part thereof as if originally agreed upon.
- (d) Contracts for delivery of goods or performance of services without specific agreement as to price shall be subject to the price or prices in effect on the date of delivery of goods.

4. Terms of Payment

- (a) Save and except as otherwise specifically agreed upon in writing, all invoices or accounts, as the case may be, shall become due and payable in full without deduction whatsoever thirty (30) days after invoice or account date.
- (b) Holdbacks or deductions of any kind whatsoever without prior written authorization from HeatLink Group Inc. are expressly prohibited.
- (c) Discounts, if any, shall be calculated on the cost of goods as per invoice, exclusive of cost of packaging, crating, freight or shipping, federal, provincial or local rates, tariffs or taxes, where applicable, or other costs or surcharges beyond control of HeatLink Group Inc.
- (d) Payment will be in a form agreed to and acceptable by HeatLink Group Inc. All costs for dishonour, presentment for payment or collection shall be at the expense of the Purchaser and Payor. All payments by cheque, whether certified or uncertified, shall be deemed as having been received on the date of acceptance for payment of the said cheque or cheques by the Purchaser's or Payor's bank, trust company or financial institution upon whose account the cheque has been issued.
- (e) Payments received shall be applied firstly to designated accounts, dishonour or collection; secondly, to outstanding interest charges on the oldest accounts; and, thirdly, the balance, if any, of any payment shall be applied to the most recent accounts, outstanding balance or balances. If an account is past due at the time of payment, then application of received funds will be in the order best interest to HeatLink Group Inc.
- (f) In the event the Purchaser defaults in payment or causes a cheque, bank draft or money order to be dishonoured or stops payment thereon, or HeatLink Group Inc. shall deem the Purchaser insecure, all accounts shall forthwith become due and payable notwithstanding any agreement as to credit or periodic payment.
- (g) Overdue accounts shall bear interest at the rate stated on the face of the invoice or (if no rate is displayed on the invoice), 2% calculated and compounded monthly.

5. Reservation of Title and Property

- (a) It is hereby expressly agreed that all goods shall remain the exclusive property of HeatLink Group Inc. and title shall not pass until payment in full of all invoices or accounts rendered, including cost of goods, packaging, carting, shipping or freight charges, federal, provincial or local taxes, rates and tariffs, insurance, extras to contract, interest charges, exchange or collection expenses and other sums or charges applicable has been received pursuant to the terms and conditions herein contained.
- (b) Goods delivered shall not, in any event, become part of real estate and the Purchaser shall at all times take or initiate all steps necessary to preserve HeatLink Group Inc.'s right, title and property to such goods.

- (c) The Purchaser shall not permit any goods sold or delivered by HeatLink Group Inc. to be pledged or encumbered without express written consent from HeatLink Group Inc. In the event of seizure by third parties, the Purchaser shall forthwith disclose HeatLink Group Inc.'s reservation of title, right and property to such goods and shall forthwith notify HeatLink Group Inc. of such seizure and shall assist HeatLink Group Inc. at the Purchaser's cost in the preservation and enforcement of HeatLink Group Inc.'s right, title and property to the said goods.
- (d) In the event of breach of contract by the Purchaser of the terms or conditions herein contained and, in particular, default of payment of invoices as hereinbefore provided, HeatLink Group Inc. shall be entitled, without prior notice, to demand delivery up of goods sold and delivered and to seize the same wherever the same may be located at any time of day or night or to cause its agents, workmen or bailiffs to seize the same, wherever the same may be located at any time of day or night notwithstanding the goods may be in possession of a subsequent purchaser or user.
- (e) Seizure of goods by HeatLink Group Inc. shall not be deemed to constitute termination of contract or contractual rights and obligations as between HeatLink Group Inc. and the Purchaser.

6. Delivery of Goods

- (a) HeatLink Group Inc. shall at all times use its best efforts to maintain the delivery dates agreed upon. The delivery date or period shall be deemed to have been maintained or complied with in all events, cases or situations where the goods to be delivered leave HeatLink Group Inc.'s premises on or before such date, before the expiry of such period or the Purchaser is notified before the applicable date that the goods are ready for shipment.
- (b) Delivery dates or periods shall be extended by reason of delays caused by labour shortages, strikes or lockouts or other circumstances beyond the reasonable control of HeatLink Group Inc. Any delay or postponement of delivery to HeatLink Group Inc. of goods and supplies by its suppliers, subcontractors or co-contractors caused by strike, lockout, labour shortage or unrest or other causes beyond the reasonable control of HeatLink Group Inc., its suppliers, subcontractors or co-contractors shall in like manner extend delivery dates and periods as if the same applied to HeatLink Group Inc.
- (c) In the event of delay in delivery of goods caused by the Purchaser for any reason whatsoever, HeatLink Group Inc. shall be entitled to charge the cost of storage calculated at the rate of one half (½%) percent per month upon the cost of goods, such calculation commencing one month after delivery of Notice of Readiness for shipment and continuing for each and every month or part thereof thereafter until the goods can be delivered to the Purchaser.

7. Risk of Property

- (a) Commencing on the date of delivery of goods for shipment or transport to the Purchaser, the said goods or any part thereof shall be at the risk of the Purchaser.
- (b) Any goods or part thereof delivered for shipment or transport to the Purchaser from the factory Calgary, Alberta, or elsewhere, including goods with unessential or minor defects, shall be deemed to have been accepted by the Purchaser without recourse.
- (c) Deficiencies or defects in goods or part thereof shipped or the shipment of the wrong goods, or part or part thereof, shall be endorsed upon the bill of lading and shall be communicated to HeatLink Group Inc. in writing within three (3) business days of arrival at destination. Failing such notification, the Purchaser shall be deemed to have accepted the goods without recourse.

8. Return of Goods

- (a) Product is returnable for a 25% restocking fee under the following conditions:
 - (i) Purchased within 12 months of return date, referencing original purchase order number
 - (ii) Active inventory in current catalog (WSL, CLR, CD, OBS components excluded)
 - (iii) Remains in the original, unmarked, unopened packaging
 - (iv) New, clean, and re-saleable condition
 - (v) Returned prepaid to HeatLink within 14 days of RMA issuance
- (b) Notes:
 - (i) If the product received is unsatisfactory, or deemed otherwise unsellable, it will be disposed of or returned at the returnee's discretion & cost.
 - (ii) Any exceptions to the above criteria requires Sr. Management approval.

9. Insurance

- (a) During the period commencing with the delivery of goods for shipment or transport to the Purchaser and ending upon receipt of payment in full for the said goods pursuant to the terms and conditions hereof, the Purchaser shall insure the said goods in the joint names of HeatLink Group Inc. and the Purchaser against all risk of loss or damage howsoever caused.

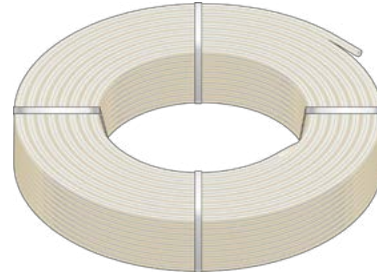
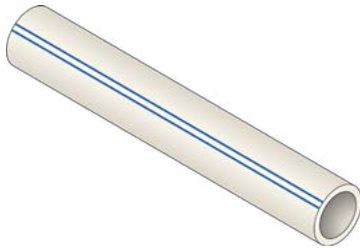
10. Applicable Law

- (a) All disputes, claims or demands arising from or relating to warranties, guarantees, representations authorized and published by HeatLink Group Inc., and from the terms and conditions herein contained and all claims, demands, rights or liabilities arising from such warranties, guarantees, representations or terms and conditions shall be determined in accordance with the laws of the Province of Alberta, Canada.

**PureLink® Plus Blue Print PEX-a Tubing
20000 Series**

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the outside diameter @ 68°F (20°C). Maximum operating temperature 180°F @ 100 psi (82°C @ 7 bar). Blue printing for identification of cold water lines. The PureLink® Plus PEX-a tubing may be used with fittings that are compliant with ASTM F1807/F1960/F2080/F2098/F2159 standards.

For complete specifications, see submittal [SUB20000](#).



Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
20105	½" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	104	coil	\$ 107.400
20305	½" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 322.200
20505	½" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	32	coil	\$ 537.000
20905	½" 1000ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 1,074.000
20122	¾" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	60	coil	\$ 186.600
20322	¾" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 559.800
20522	¾" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	12	coil	\$ 933.000
20128	1" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 352.100
20328	1" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 1,056.300

For sizes 1-¼" and larger, please see [page 9](#).

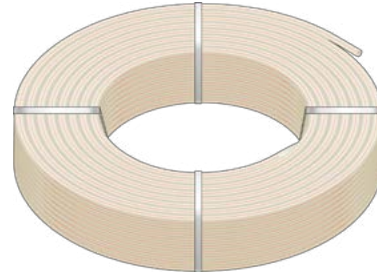
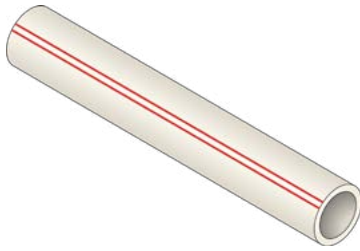
Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
20205	½" 20×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 429.600
20222	¾" 10×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 373.200
20228	1" 5×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 352.100

For sizes 1-¼" and larger, please see [page 9](#).

**PureLink® Plus Red Print PEX-a Tubing
21000 Series**

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the outside diameter @ 68°F (20°C). Maximum operating temperature 180°F @ 100 psi (82°C @ 7 bar). Red printing for identification of hot water lines. The PureLink® Plus PEX-a tubing may also be used with fittings that are compliant with ASTM F1807/F1960/F2080/F2098/F2159 standards.

For complete specifications, see submittal [SUB21000](#).



Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
21105	½" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	104	coil	\$ 107.400
21305	½" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 322.200
21505	½" 500ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	32	coil	\$ 537.000
21122	¾" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	60	coil	\$ 186.600
21322	¾" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 559.800
21128	1" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 352.100
21328	1" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 1,056.300

For sizes 1-¼" and larger, please see [page 9](#).

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
21205	½" 20×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 429.600
21222	¾" 10×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 373.200
21228	1" 5×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 352.100

For sizes 1-¼" and larger, please see [page 9](#).

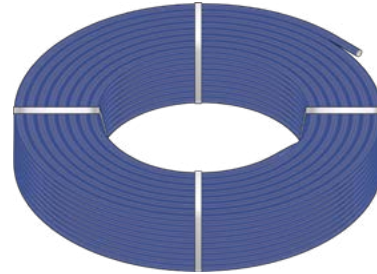
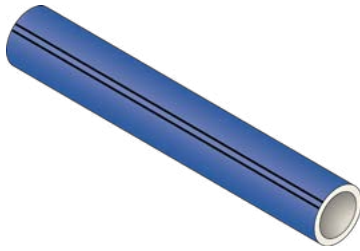


Pre-insulated 100ft coils are available as a special order item. Minimum quantities and extended lead times apply. Contact us for more information.

**PureLink® Plus Blue Wall PEX-a Tubing
20000BW Series**

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the outside diameter @ 68°F (20°C). Maximum operating temperature 180°F @ 100 psi (82°C @ 7 bar). Solid blue color for identification of cold water lines. The PureLink® Plus PEX-a tubing may also be used with fittings that are compliant with ASTM F1807/F1960/F2080/F2098/F2159 standards.

For complete specifications, see submittal [SUB20000BW](#).



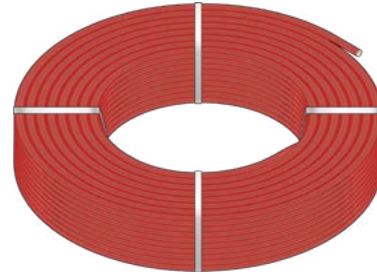
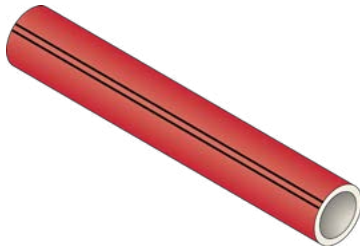
Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
20105BW	½" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	104	coil	\$ 119.300
20305BW	½" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 357.900
20122BW	¾" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	60	coil	\$ 206.900
20322BW	¾" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 620.700
20128BW	1" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 390.600
20328BW	1" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 1,171.800

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
20205BW	½" 20×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 477.200
20222BW	¾" 10×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 413.800
20228BW	1" 5×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 390.600

**PureLink® Plus Red Wall PEX-a Tubing
21000RW Series**

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the outside diameter @ 68°F (20°C). Maximum operating temperature 180°F @ 100 psi (82°C @ 7 bar). Solid red color for identification of hot water lines. The PureLink® Plus PEX-a tubing may also be used with fittings that are compliant with ASTM F1807/F1960/F2080/F2098/F2159 standards.

For complete specifications, see submittal [SUB21000RW](#).



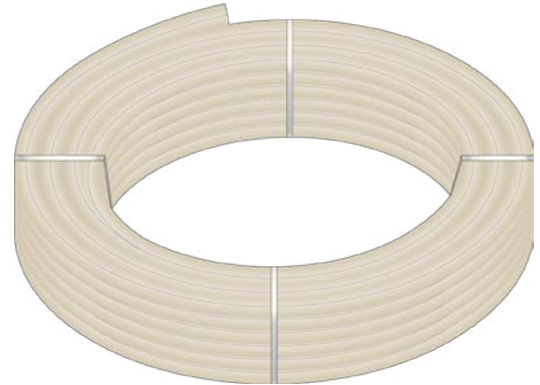
Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
21105RW	½" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	104	coil	\$ 119.300
21305RW	½" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 357.900
21122RW	¾" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	60	coil	\$ 206.900
21322RW	¾" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 620.700
21128RW	1" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 390.600
21328RW	1" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 1,171.800

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
21205RW	½" 20×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 477.200
21222RW	¾" 10×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 413.800
21228RW	1" 5×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 390.600

**PureLink® Plus Large Dimension PEX-a Tubing
20000 Series**

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the outside diameter @ 68°F (20°C). Maximum operating temperature 180°F @ 100 psi (82°C @ 7 bar). Black printing so tubing can be used for cold or hot water lines. The PureLink® Plus PEX-a tubing may also be used with fittings that are compliant with ASTM F1807/F1960/F2080/F2098 standards.

For complete specifications, see submittal [SUB20000LD](#).

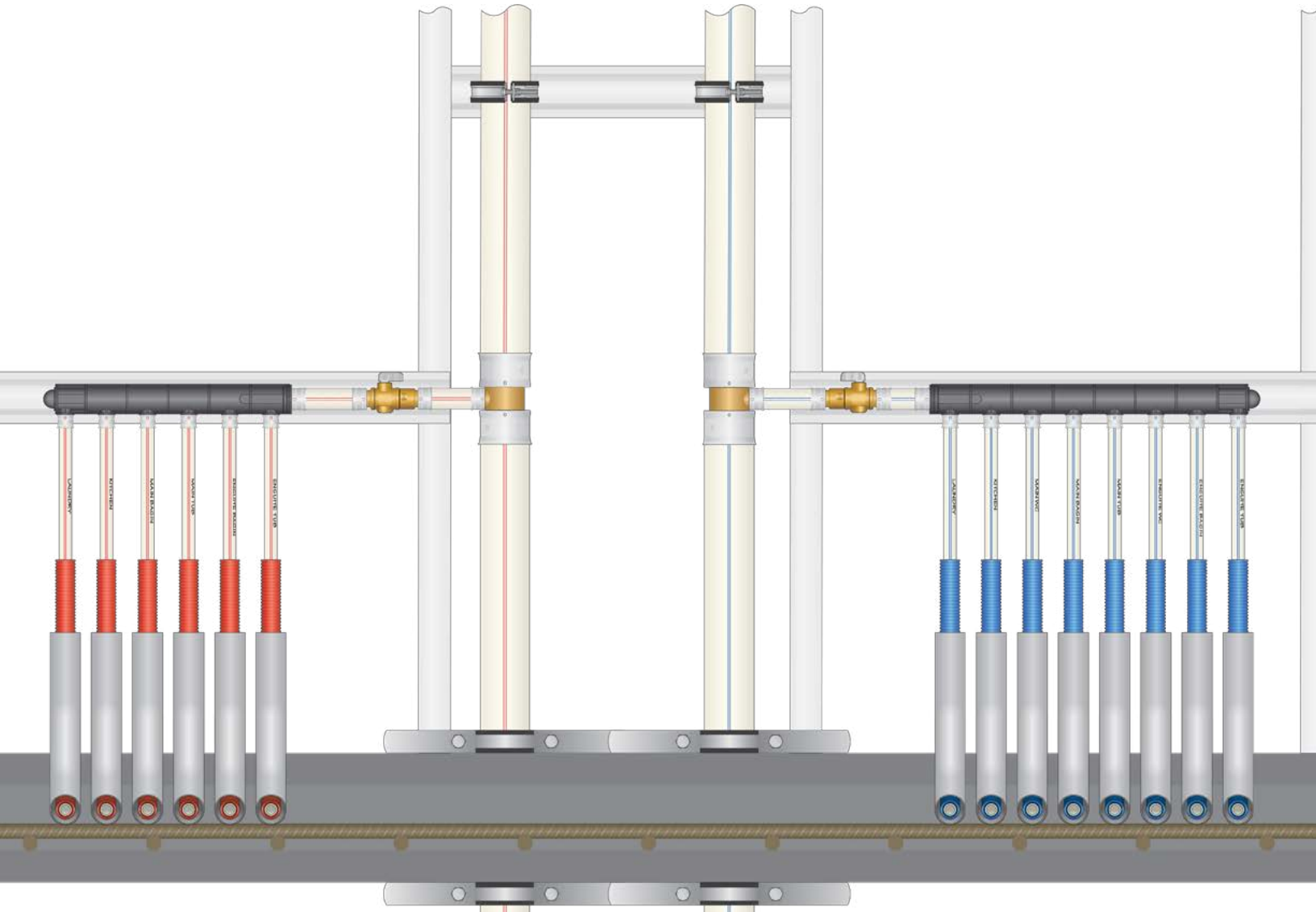
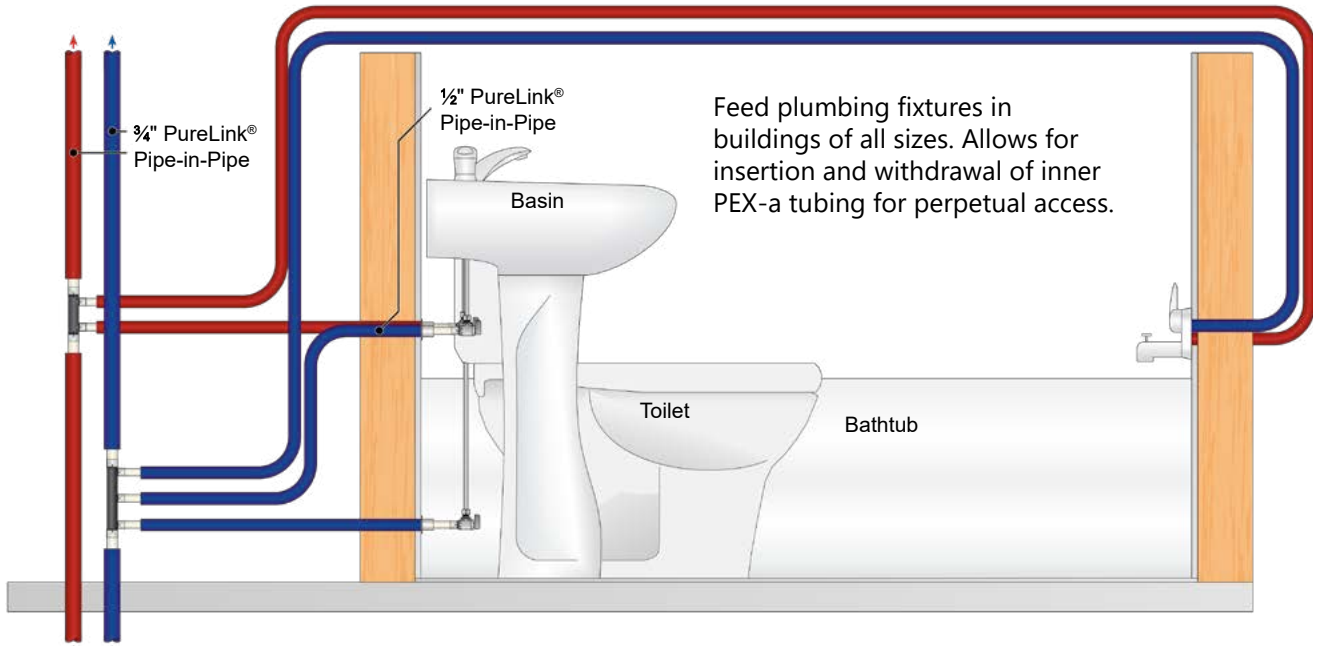


Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
20135	1-¼" 100ft PureLink® Plus UV Stabilized PEX-a Tubing	1	10	coil	\$ 682.000
20335	1-¼" 300ft PureLink® Plus UV Stabilized PEX-a Tubing	1	7	coil	\$ 2,046.000
20145	1-½" 100ft PureLink® Plus UV Stabilized PEX-a Tubing	1	8	coil	\$ 899.700
20345	1-½" 300ft PureLink® Plus UV Stabilized PEX-a Tubing	1	5	coil	\$ 2,699.100
20154	2" 100ft PureLink® Plus UV Stabilized PEX-a Tubing	1	5	coil	\$ 1,790.900
20354	2" 300ft PureLink® Plus UV Stabilized PEX-a Tubing	1	3	coil	\$ 5,372.700

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
20235	1-¼" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing	1	15	bundle	\$ 682.000
20245	1-½" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing	1	10	bundle	\$ 899.700
20254	2" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing	1	5	bundle	\$ 1,790.900

Pure Link[®] Pipe-in-Pipe

Never again deal with the hassle of trying to pull tubing through conduits. Our pliable PEX-a tubing is available in a high impact resistant sheath.



PureLink® Plus Pipe-in-Pipe 92000 Sheathed Series

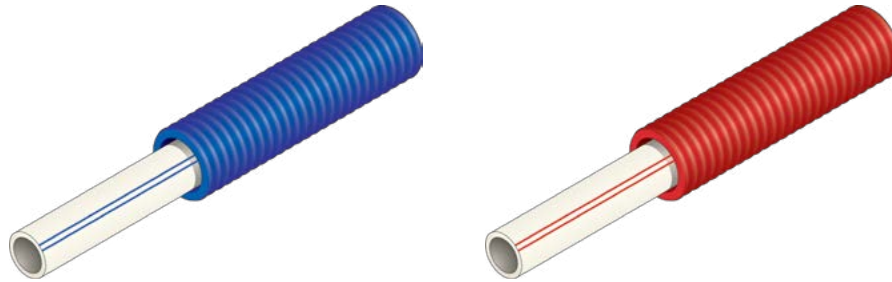
PEX-a carrier tubing specified on previous pages. The flexible, impact resistant PP sheath designed as a raceway for electrical installations provides mechanical and UV protection to the PEX-a carrier tubing. The sheath allows for easy replacement of the PEX-a carrier tubing if needed. Red and Blue colored sheaths make for easy identification of hot and cold water lines.

For complete specifications, see submittal [SUB92000](#).

PP sheath is rated to UL94HB "Tests for Flammability of Plastic Materials."

Corrugated sheath outside diameter for:

- 1/2" = 0.93" (23.6 mm)
- 3/4" = 1.33" (33.8 mm)
- 1" = 1.5" (38.1 mm)



Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
92305bs	1/2" 300ft Blue PureLink® Plus Pipe-in-Pipe	1	18	coil	\$ 591.900
92322bs	3/4" 300ft Blue PureLink® Plus Pipe-in-Pipe	1	9	coil	\$ 909.000
92128bs	1" 100ft Blue PureLink® Plus Pipe-in-Pipe	1	14	coil	\$ 650.300

Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
92305rs	1/2" 300ft Red PureLink® Plus Pipe-in-Pipe	1	18	coil	\$ 591.900
92322rs	3/4" 300ft Red PureLink® Plus Pipe-in-Pipe	1	9	coil	\$ 909.000
92128rs	1" 100ft Red PureLink® Plus Pipe-in-Pipe	1	14	coil	\$ 650.300

Corrugated Sleeves 92000cs Series

The flexible, impact resistant PP sheath designed as a raceway for electrical installations provides mechanical and UV protection to the PEX-a carrier tubing. The sheath allows for easy replacement of the PEX-a carrier tubing if needed.

For complete specifications, see submittal [SUB92000cs](#).

PP sheath is rated to UL94HB "Tests for Flammability of Plastic Materials."

Corrugated sheath outside diameter for:

- 1/2" = 0.93" (23.6 mm)
- 3/4" = 1.33" (33.8 mm)



Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
92305bcs	1-5/16" 300ft Blue Corrugated Sleeve for 1/2" PEX	1		ea.	\$ 233.700
92322bcs	1-3/4" 300ft Blue Corrugated Sleeve for 3/4" PEX	1		ea.	\$ 400.200

Making a Lasting Impression

Press Sleeve

HeatLink Potable Water Systems now offers a start-to-finish system capped off with the unique PEX tubing watertight connection ... the stainless steel Press Sleeve.

The Press Sleeve slides over the outer part of the PEX-a tubing, before inserting the fitting. When the fitting is in place, the press tool secures the connection in one single press, evidenced by a smooth visible depression ring on the sleeve's surface.

Once the pressing is complete, everything is set for the pressure test. The room for error is reduced, as the visible impression on the sleeve indicates readiness for the pressure test.

HeatLink's Press Sleeve—an impressive connection to have in any pressing situation.

The SS Press Sleeve is tested to ASTM F877 and is NSF-pw or cUPC listed.



non-pressed



pressed
 (press profile may vary with tool)



Stainless Steel Press Sleeves 24200 Series

Press sleeve with view hole.

For complete specifications, see submittal [SUB24200](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
24205	½" SS Press Sleeve	100	1000	ea.	\$ 0.588
24222	¾" SS Press Sleeve	50	500	ea.	\$ 0.923
24228	1" SS Press Sleeve	50	250	ea.	\$ 1.893
24235	1-¼" SS Press Sleeve	10	150	ea.	\$ 7.499
24241	1-½" SS Press Sleeve	10	100	ea.	\$ 8.928
24250	2" SS Press Sleeve	10	100	ea.	\$ 10.843



Closed End HPP Mini Multiport Tee
13000M Series

Closed one end and 3/4" PEX insert on the other end. 1/2" branches in single row. SS press sleeves sold separately.

For complete specifications, see submittal [SUB13000M](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
13202M	2 Port, 3/4" PEX × Closed End HPP Mini Multiport Tee	5	100	ea.	\$ 10.163
13203M	3 Port, 3/4" PEX × Closed End HPP Mini Multiport Tee	5	80	ea.	\$ 13.516
13204M	4 Port, 3/4" PEX × Closed End HPP Mini Multiport Tee	5	60	ea.	\$ 17.191



Closed End HPP Multiport Tee
13000 Series

Closed one end and 3/4" or 1" PEX insert on the other end. 1/2" branches in single row or opposing rows. SS press sleeves sold separately.

For complete specifications, see submittal [SUB13000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
13204	4 Port Single Row, 3/4" PEX × Closed End HPP Multiport Tee	5	250	ea.	\$ 42.440
13206	6 Port Single Row, 3/4" PEX × Closed End HPP Multiport Tee	5	150	ea.	\$ 50.672
13208	8 Port Single Row, 3/4" PEX × Closed End HPP Multiport Tee	5	125	ea.	\$ 82.534



Flow Through HPP Mini Multiport Tee
14000M Series

Open on both ends with 3/4" PEX insert connections. 1/2" branches in single row. SS press sleeves sold separately.

For complete specifications, see submittal [SUB14000M](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
14202M	2 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee	5	100	ea.	\$ 10.781
14203M	3 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee	5	80	ea.	\$ 14.211
14204M	4 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee	5	60	ea.	\$ 17.762



Flow Through HPP Multiport Tee
14000 Series

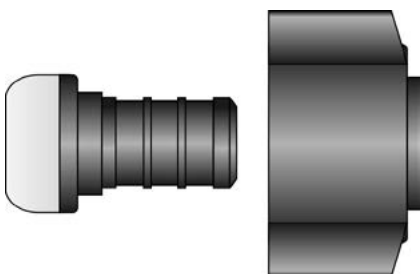
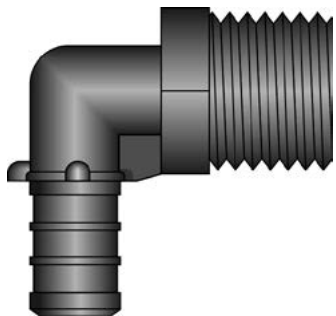
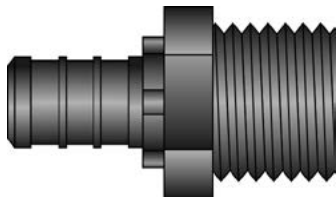
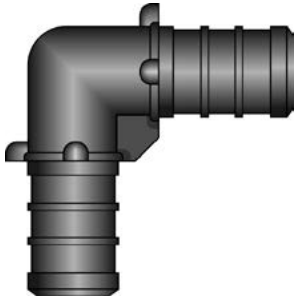
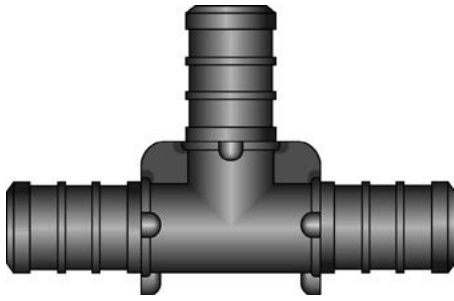
Open on both ends with 3/4" or 1" PEX insert connections. 1/2" branches in single row or opposing rows. SS press sleeves sold separately.

For complete specifications, see submittal [SUB14000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
14204	4 Port Single Row, 3/4" PEX x 3/4" PEX Flow Through HPP Multiport Tee	5	200	ea.	\$ 32.259
14704	4 Port Single Row, 1" PEX x 3/4" PEX Flow Through HPP Multiport Tee	5	200	ea.	\$ 37.140

Heat Link[®]

HPP Fitting System



The HeatLink High Performance Polymer (HPP) fitting system is produced from a specific blend of engineered high performance polyphenylsulfone (PPSU) resins. When combined, these resins offer outstanding long-term performance and chemical resistance. The sulfone family of resins began to replace brass in the plumbing industry over 20 years ago, and in the course of time have exceeded the stringent demands of the potable and heating industries.

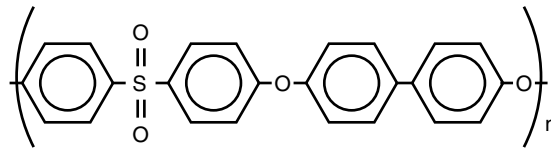
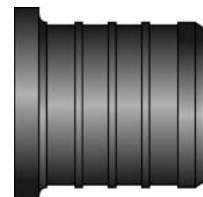
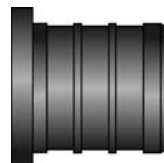
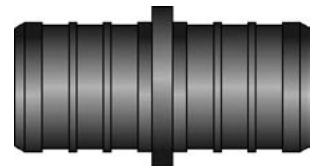
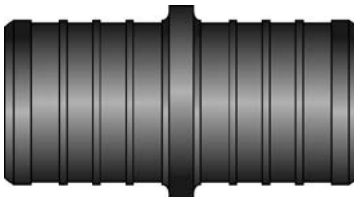
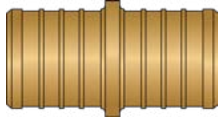


Figure #1 – General Chemical Structure of PPSU

The HeatLink HPP fittings stand out in the market place due to a unique combination of characteristics designed to deliver superior performance.

- Outstanding resistance to hot chlorinated water
- Superior long-term hydrostatic strength
- Excellent thermal stability
- High resistance to mineral acids, alkali, and salt solutions
- Higher resistance to polar solvents and stress cracking than traditional polysulfone
- Robust toughness and impact strength
- Exceptional hydrolytic stability
- Improved notch resistance





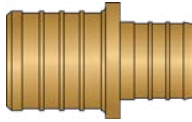
PEX Insert Couplings - *No Lead Brass*
29000NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert × PEX insert couplings. SS press sleeves sold separately.

For complete specifications, see submittal [SUB29000NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
29005NL	½" × ½" PEX No Lead Brass Coupling	25	500	ea.	\$ 3.212
29022NL	¾" × ¾" PEX No Lead Brass Coupling	25	250	ea.	\$ 4.203
29028NL	1" × 1" PEX No Lead Brass Coupling	10	250	ea.	\$ 6.856
29035NL	1-¼" × 1-¼" PEX No Lead Brass Coupling	5	180	ea.	\$ 14.193
29041NL	1-½" × 1-½" PEX No Lead Brass Coupling	5	90	ea.	\$ 48.488
29054NL	2" × 2" PEX No Lead Brass Coupling	5	25	ea.	\$ 69.939

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX Insert Reducing Couplings - *No Lead Brass*
29200NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert × PEX insert reducing couplings. SS press sleeves sold separately.

For complete specifications, see submittal [SUB29000NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
29225NL	¾" × ½" PEX No Lead Brass Coupling	25	500	ea.	\$ 5.642
29282NL	1" × ¾" PEX No Lead Brass Coupling	10	250	ea.	\$ 7.632
29238NL	1-¼" × 1" PEX No Lead Brass Coupling	5	200	ea.	\$ 14.891
29243NL	1-½" × 1-¼" PEX No Lead Brass Coupling	5	100	ea.	\$ 25.553
29248NL	1-½" × 1" PEX No Lead Brass Coupling	5	100	ea.	\$ 47.083
29263NL	2" × 1-¼" PEX No Lead Brass Coupling	5	25	ea.	\$ 64.900
29264NL	2" × 1-½" PEX No Lead Brass Coupling	5	25	ea.	\$ 68.354

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX Insert Couplings - *HPP*
19000 Series

High Performance Polymer PEX insert couplings. SS press sleeves sold separately.

For complete specifications, see submittal [SUB19000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
19005	½" × ½" PEX HPP Coupling	25	1000	ea.	\$ 1.289
19022	¾" × ¾" PEX HPP Coupling	25	500	ea.	\$ 1.970
19028	1" × 1" PEX HPP Coupling	10	200	ea.	\$ 3.827

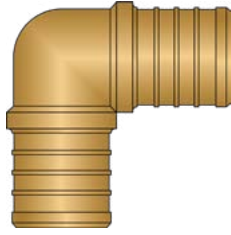


PEX Insert Reducing Couplings - *HPP*
19200 Series

High Performance Polymer PEX insert reducing couplings. SS press sleeves sold separately.

For complete specifications, see submittal [SUB19000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
19225	¾" × ½" PEX HPP Coupling	25	600	ea.	\$ 1.581
19282	1" × ¾" PEX HPP Coupling	5	300	ea.	\$ 3.742



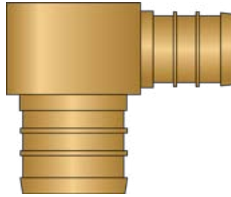
PEX Insert Elbows - *No Lead Brass*
28000NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert × PEX insert elbows. SS press sleeves sold separately.

For complete specifications, see submittal [SUB28000NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
28005NL	½" × ½" PEX No Lead Brass Elbow	25	250	ea.	\$ 4.465
28022NL	¾" × ¾" PEX No Lead Brass Elbow	25	250	ea.	\$ 6.666
28028NL	1" × 1" PEX No Lead Brass Elbow	10	100	ea.	\$ 15.040
28035NL	1-¼" × 1-¼" PEX No Lead Brass Elbow	5	120	ea.	\$ 28.145
28041NL	1-½" × 1-½" PEX No Lead Brass Elbow	5	50	ea.	\$ 67.935
28054NL	2" × 2" PEX No Lead Brass Elbow	5	25	ea.	\$ 117.483

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX Insert Reducing Elbows - *No Lead Brass*
28200NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert × PEX insert reducing elbows. SS press sleeves sold separately.

For complete specifications, see submittal [SUB28000NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
28225NL	¾" × ½" PEX No Lead Brass Elbow	10	250	ea.	\$ 5.280

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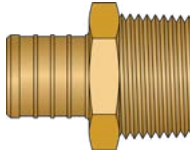


PEX Insert Elbows - *HPP*
18000 Series

High Performance Polymer PEX insert elbows. SS press sleeves sold separately.

For complete specifications, see submittal [SUB18000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
18005	½" × ½" PEX HPP Elbow	25	600	ea.	\$ 1.624
18022	¾" × ¾" PEX HPP Elbow	25	300	ea.	\$ 2.765
18225	¾" × ½" PEX HPP Elbow	10	400	ea.	\$ 2.582
18028	1" × 1" PEX HPP Elbow	10	150	ea.	\$ 6.491



PEX Insert × MNPT Adapters - *No Lead Brass*
27500NL Series

Solid brass no lead (C69300-EcoBrass) PEX insert × MNPT adapters. SS press sleeves sold separately.

For complete specifications, see submittal [SUB27500NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
27505NL	½" PEX × ½" MNPT No Lead Brass Adapter	25	250	ea.	\$ 7.608
27552NL	½" PEX × ¾" MNPT No Lead Brass Adapter	10	250	ea.	\$ 10.675
27522NL	¾" PEX × ¾" MNPT No Lead Brass Adapter	25	250	ea.	\$ 11.040
27525NL	¾" PEX × ½" MNPT No Lead Brass Adapter	25	250	ea.	\$ 9.002
27528NL	1" PEX × 1" MNPT No Lead Brass Adapter	10	150	ea.	\$ 19.673
27582NL	1" PEX × ¾" MNPT No Lead Brass Adapter	5	200	ea.	\$ 14.079
27535NL	1-¼" PEX × 1-¼" MNPT No Lead Brass Adapter	5	100	ea.	\$ 47.401
27538NL	1-¼" PEX × 1" MNPT No Lead Brass Adapter	5	100	ea.	\$ 31.275
27541NL	1-½" PEX × 1-½" MNPT No Lead Brass Adapter	5	50	ea.	\$ 49.327
27554NL	2" PEX × 2" MNPT No Lead Brass Adapter	5	25	ea.	\$ 138.310

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX Insert × MNPT Adapters - *HPP*
17500 Series

High Performance Polymer PEX insert × MNPT adapters. SS press sleeves sold separately.

For complete specifications, see submittal [SUB17500](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
17505	½" PEX × ½" MNPT HPP Adapter	25	500	ea.	\$ 2.661
17552	½" PEX × ¾" MNPT HPP Adapter	25	350	ea.	\$ 3.340
17522	¾" PEX × ¾" MNPT HPP Adapter	25	300	ea.	\$ 3.470

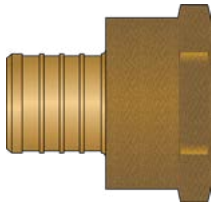


Drop Ear Elbows - *No Lead Brass*
28300NL Series

Solid no lead brass (C69300-EcoBrass) 1/2" PEX insert x 1/2" FNPT drop ear elbow. SS press sleeves sold separately.

For complete specifications, see submittal [SUB28300NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
28305NL	1/2" PEX x 1/2" FNPT Drop Ear No Lead Brass Elbow	10	160	ea.	\$ 18.396



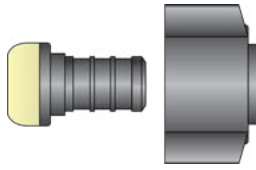
PEX Insert x FNPT Adapters - *No Lead Brass*
27600NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert x FNPT adapters. SS press sleeves sold separately.

For complete specifications, see submittal [SUB27600NL](#).

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Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
27605NL	1/2" PEX x 1/2" FNPT No Lead Brass Adapter	25	400	ea.	\$ 9.190
27622NL	3/4" PEX x 3/4" FNPT No Lead Brass Adapter	25	300	ea.	\$ 12.619
27628NL	1" PEX x 1" FNPT No Lead Brass Adapter	25	150	ea.	\$ 17.435
27632NL	1-1/4" PEX x 3/4" FNPT No Lead Brass Adapter	5	200	ea.	\$ 21.890
27635NL	1-1/4" PEX x 1-1/4" FNPT No Lead Brass Adapter	5	80	ea.	\$ 57.204
27638NL	1-1/4" PEX x 1" FNPT No Lead Brass Adapter	5	100	ea.	\$ 29.670

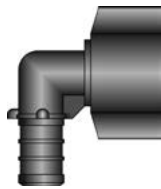


PEX Insert x FNPT Swivel Adapters - *HPP*
17700 Series

High Performance Polymer PEX insert x FNPT swivel adapters. SS press sleeves sold separately.

For complete specifications, see submittal [SUB17700](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
17755	1/2" PEX x 1/2" FNPT Swivel HPP Adapter	25	500	ea.	\$ 3.347



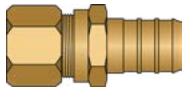
PEX Insert x FNPT Swivel Elbow Adapter - *HPP*
Stk# 18605

High Performance Polymer PEX insert x FNPT swivel elbow adapters. SS press sleeves sold separately.

For complete specifications, see submittal [SUB18605](#).

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Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
18605	1/2" PEX x 1/2" FNPT HPP Swivel Elbow	25	300	ea.	\$ 3.050

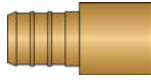


1/2" PEX x 3/8" O.D. Comp. Straight Lav. Tube Adapter - *NL*
Brass
Stk# 25751NL

Solid no lead brass (C69300-EcoBrass) adapter for connecting faucets. SS press sleeves sold separately.

For complete specifications, see submittal [SUB25751NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
25751NL	1/2" PEX x 3/8" O.D. No Lead Brass Adapter	5	100	ea.	\$ 5.554



PEX Insert × Male Sweat Adapters - *No Lead Brass*
27100NL Series

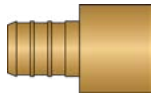
Solid no lead brass (C69300-EcoBrass) PEX insert × male sweat adapters. SS press sleeves sold separately.

Not intended for use with copper press fittings.

For complete specifications, see submittal [SUB27100NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
27105NL	½" PEX × ½" M/Sweat No Lead Brass Adapter	25	700	ea.	\$ 3.654
27122NL	¾" PEX × ¾" M/Sweat No Lead Brass Adapter	25	400	ea.	\$ 6.583
27128NL	1" PEX × 1" M/Sweat No Lead Brass Adapter	10	200	ea.	\$ 12.082
27135NL	1-¼" PEX × 1-¼" M/Sweat No Lead Brass Adapter	5	120	ea.	\$ 22.784
27141NL	1-½" PEX × 1-½" M/Sweat No Lead Brass Adapter	5	80	ea.	\$ 75.350
27154NL	2" PEX × 2" M/Sweat No Lead Brass Adapter	5	25	ea.	\$ 89.320

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX Insert × Female Sweat Adapters - *No Lead Brass*
27200NL & 27300NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert × female sweat adapters. SS press sleeves sold separately.

For complete specifications, see submittal [SUB27200NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
27205NL	½" PEX × ½" F/Sweat No Lead Brass Adapter	25	700	ea.	\$ 4.013
27222NL	¾" PEX × ¾" F/Sweat No Lead Brass Adapter	25	400	ea.	\$ 7.184
27228NL	1" PEX × 1" F/Sweat No Lead Brass Adapter	10	200	ea.	\$ 17.357
27235NL	1-¼" PEX × 1-¼" F/Sweat No Lead Brass Adapter	5	120	ea.	\$ 26.218



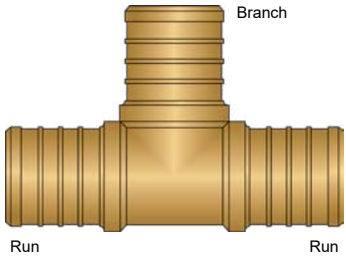
PEX Insert × Groove Adapters - *No Lead Brass*
EX27G00NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert × groove adapters. SS press sleeves sold separately.

For complete specifications, see submittal [SUB27G00NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New! 27G54NL	2" PEX F1807 × 2" IPS Roll Groove No Lead Brass Adapter	5	25	ea.	\$ 92.130

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



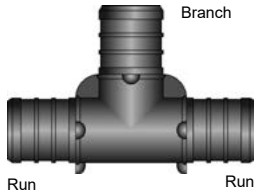
PEX Insert Tees - **No Lead Brass** 26000NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert tees. SS press sleeves sold separately.

For complete specifications, see submittal [SUB26000NL](#).

Stk#	Description (run × run × branch)	Pkg Qty	Carton Qty	Unit	List Price / Unit
26555NL	½" × ½" × ½" PEX No Lead Brass Tee	25	250	ea.	\$ 5.485
26222NL	¾" × ¾" × ¾" PEX No Lead Brass Tee	25	250	ea.	\$ 8.750
26888NL	1" × 1" × 1" PEX No Lead Brass Tee	10	100	ea.	\$ 18.686
26333NL	1-¼" × 1-¼" × 1-¼" PEX No Lead Brass Tee	5	80	ea.	\$ 44.235
26444NL	1-½" × 1-½" × 1-½" PEX No Lead Brass Tee	5	30	ea.	\$ 91.411
26666NL	2" × 2" × 2" PEX No Lead Brass Tee	5	25	ea.	\$ 164.245

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.

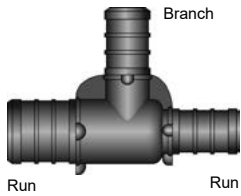


PEX Insert Tees - **HPP** 16000 Series

High Performance Polymer PEX insert tees. SS press sleeves sold separately.

For complete specifications, see submittal [SUB16000](#).

Stk#	Description (run × run × branch)	Pkg Qty	Carton Qty	Unit	List Price / Unit
16555	½" × ½" × ½" PEX HPP Tee	25	400	ea.	\$ 2.371
16222	¾" × ¾" × ¾" PEX HPP Tee	25	200	ea.	\$ 3.486
16888	1" × 1" × 1" PEX HPP Tee	10	100	ea.	\$ 9.291

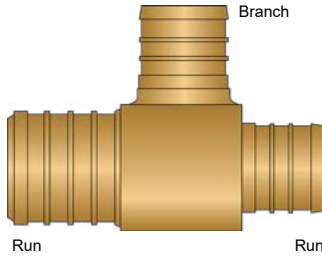


PEX Insert Reducing Tees - **HPP** 16000 Series

High Performance Polymer PEX insert reducing tees. SS press sleeves sold separately.

For complete specifications, see submittal [SUB16000](#).

Stk#	Description (run × run × branch)	Pkg Qty	Carton Qty	Unit	List Price / Unit
16552	½" × ½" × ¾" PEX HPP Tee	25	300	ea.	\$ 2.941
16225	¾" × ¾" × ½" PEX HPP Tee	25	250	ea.	\$ 3.261
16228	¾" × ¾" × 1" PEX HPP Tee	5	300	ea.	\$ 7.684
16255	¾" × ½" × ½" PEX HPP Tee	25	300	ea.	\$ 2.750
16252	¾" × ½" × ¾" PEX HPP Tee	25	250	ea.	\$ 3.467
16885	1" × 1" × ½" PEX HPP Tee	10	360	ea.	\$ 7.018
16882	1" × 1" × ¾" PEX HPP Tee	5	100	ea.	\$ 7.273
16822	1" × ¾" × ¾" PEX HPP Tee	5	320	ea.	\$ 7.865
16828	1" × ¾" × 1" PEX HPP Tee	5	300	ea.	\$ 7.383



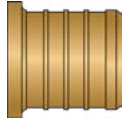
PEX Insert Reducing Tees - **No Lead Brass** 26000NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert tees. SS press sleeves sold separately.

For complete specifications, see submittal [SUB26000NL](#).

Stk#	Description (run × run × branch)	Pkg Qty	Carton Qty	Unit	List Price / Unit
26225NL	¾" × ¾" × ½" PEX No Lead Brass Tee	25	250	ea.	\$ 8.545
26252NL	¾" × ½" × ¾" PEX No Lead Brass Tee	25	250	ea.	\$ 8.765
26255NL	¾" × ½" × ½" PEX No Lead Brass Tee	25	250	ea.	\$ 8.538
26822NL	1" × ¾" × ¾" PEX No Lead Brass Tee	5	100	ea.	\$ 19.234
26885NL	1" × 1" × ½" PEX No Lead Brass Tee	10	100	ea.	\$ 18.088
26882NL	1" × 1" × ¾" PEX No Lead Brass Tee	5	100	ea.	\$ 20.901
26382NL	1-¼" × 1" × ¾" PEX No Lead Brass Tee	5	100	ea.	\$ 40.803
26388NL	1-¼" × 1" × 1" PEX No Lead Brass Tee	5	100	ea.	\$ 47.185
26335NL	1-¼" × 1-¼" × ½" PEX No Lead Brass Tee	5	100	ea.	\$ 35.160
26332NL	1-¼" × 1-¼" × ¾" PEX No Lead Brass Tee	5	80	ea.	\$ 42.782
26338NL	1-¼" × 1-¼" × 1" PEX No Lead Brass Tee	5	80	ea.	\$ 51.601
26422NL	1-½" × ¾" × ¾" PEX No Lead Brass Tee	5	60	ea.	\$ 47.046
26432NL	1-½" × 1-¼" × ¾" PEX No Lead Brass Tee	5	50	ea.	\$ 71.980
26442NL	1-½" × 1-½" × ¾" PEX No Lead Brass Tee	5	50	ea.	\$ 59.386
26488NL	1-½" × 1" × 1" PEX No Lead Brass Tee	5	50	ea.	\$ 79.633
26433NL	1-½" × 1-¼" × 1-¼" PEX No Lead Brass Tee	5	40	ea.	\$ 61.777
26448NL	1-½" × 1-½" × 1" PEX No Lead Brass Tee	5	40	ea.	\$ 85.851
26443NL	1-½" × 1-½" × 1-¼" PEX No Lead Brass Tee	5	40	ea.	\$ 67.313
26633NL	2" × 1-¼" × 1-¼" PEX No Lead Brass Tee	5	25	ea.	\$ 182.009
26642NL	2" × 1-½" × ¾" PEX No Lead Brass Tee	5	25	ea.	\$ 135.490
26648NL	2" × 1-½" × 1" PEX No Lead Brass Tee	5	25	ea.	\$ 139.080
26643NL	2" × 1-½" × 1-¼" PEX No Lead Brass Tee	5	25	ea.	\$ 143.995
26644NL	2" × 1-½" × 1-½" PEX No Lead Brass Tee	5	25	ea.	\$ 158.794
26662NL	2" × 2" × ¾" PEX No Lead Brass Tee	5	25	ea.	\$ 136.375
26668NL	2" × 2" × 1" PEX No Lead Brass Tee	5	25	ea.	\$ 133.555
26663NL	2" × 2" × 1-¼" PEX No Lead Brass Tee	5	25	ea.	\$ 137.990
26664NL	2" × 2" × 1-½" PEX No Lead Brass Tee	5	25	ea.	\$ 155.624

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX Insert Plugs - *No Lead Brass*
25000NL Series

Solid no lead brass (C69300-EcoBrass) PEX insert plug. SS press sleeves sold separately.

For complete specifications, see submittal [SUB25000NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
25005NL	½" PEX No Lead Brass Plug	25	1200	ea.	\$ 2.613
25022NL	¾" PEX No Lead Brass Plug	25	1000	ea.	\$ 3.652
25028NL	1" PEX No Lead Brass Plug	5	510	ea.	\$ 5.250
25035NL	1-¼" PEX No Lead Brass Plug	5	260	ea.	\$ 14.178
25041NL	1-½" PEX No Lead Brass Plug	5	110	ea.	\$ 63.411
25054NL	2" PEX No Lead Brass Plug	5	25	ea.	\$ 63.400

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.

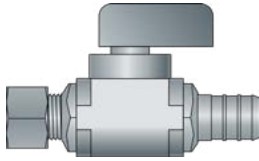


PEX Insert Plugs - *HPP*
15000 Series

High Performance Polymer PEX insert plugs. SS press sleeves sold separately.

For complete specifications, see submittal [SUB15000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
15005	½" PEX HPP Plug	25	2000	ea.	\$ 0.934
15022	¾" PEX HPP Plug	25	1000	ea.	\$ 1.528
15028	1" PEX HPP Plug	5	500	ea.	\$ 2.484

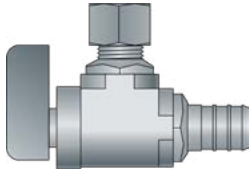


Plated Straight Ball Valve - *No Lead Brass*
Stk #23505NL

No lead brass (C69300-EcoBrass) 1/2" PEX x 3/8" O.D. compression, nickel plated straight ball valve. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23505NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	23505NL	1/2" PEX x 3/8" O.D. No Lead Brass Plated Straight Ball Valve	24	144	ea.	\$ 30.545

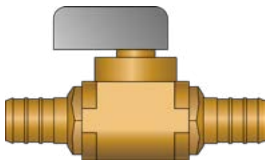


Plated Angle Ball Valve - *No Lead Brass*
Stk# 23605NL

No lead brass (C69300-EcoBrass) 1/2" PEX x 3/8" O.D. compression, nickel plated angle ball valve. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23605NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	23605NL	1/2" PEX x 3/8" O.D. No Lead Brass Plated Angle Ball Valve	24	144	ea.	\$ 31.325



PEX Insert Straight Ball Valves - *No Lead Brass*
23700NL Series

No lead brass (C69300-EcoBrass) valve. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23700NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	23705NL	1/2" PEX Straight No Lead Brass Ball Valve	24	144	ea.	\$ 32.817
WSL	23722NL	3/4" PEX Straight No Lead Brass Ball Valve	24	144	ea.	\$ 41.264



Plated Straight Stop Valves - No Lead Brass
Stk# 23505NLB & 23905NLB

No lead brass (C69300-EcoBrass) 1/2" PEX × O.D. compression, nickel plated straight stop valves. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23500NLB](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	23505NLB	1/2" PEX × 3/8" O.D. No Lead Brass Plated Straight Ball Valve	20	240	ea.	\$ 11.030
New!	23905NLB	1/2" PEX × 1/4" O.D. No Lead Straight Ball Valve	20	240	ea.	\$ 9.460



Plated Angle Stop Valves - No Lead Brass
Stk# 23605NLB

No lead brass (C69300-EcoBrass) 1/2" PEX × O.D. compression, nickel plated angle stop valves. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23600NLB](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	23605NLB	1/2" PEX × 3/8" O.D. No Lead Brass Plated Angle Ball Valve	20	240	ea.	\$ 11.030



PEX Insert Ball Valves - No Lead Brass
23300NL Series

No lead brass PEX F1807 × PEX F1807 full port straight ball valves with lever handle. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23300NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	23305NL	1/2" PEX F1807 No Lead Brass Ball Valve, Full Port	10	120	ea.	\$ 12.560
	23322NL	3/4" PEX F1807 No Lead Brass Ball Valve, Full Port	10	80	ea.	\$ 19.440
	23328NL	1" PEX F1807 No Lead Brass Ball Valve, Full Port	6	48	ea.	\$ 33.860
	23335NL	1-1/4" PEX F1807 No Lead Brass Ball Valve, Full Port	4	24	ea.	\$ 53.590
	23341NL	1-1/2" PEX F1807 No Lead Brass Ball Valve, Full Port	2	16	ea.	\$ 72.900
	23354NL	2" PEX F1807 No Lead Brass Ball Valve, Full Port	2	12	ea.	\$ 122.660



PEX Insert Ball Valves with Butterfly Handle - *No Lead Brass*
23300NL-BF Series

No lead brass PEX F1807 × PEX F1807 full port straight ball valves with butterfly handle. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23300NL-BF](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	23305NL-BF	½" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	10	120	ea.	\$ 12.560
New!	23322NL-BF	¾" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	10	80	ea.	\$ 19.440
New!	23328NL-BF	1" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	6	48	ea.	\$ 33.860



PEX Insert Ball Valves with Drain - *No Lead Brass*
23300NL-D Series

No lead brass PEX F1807 × PEX F1807 full port straight ball valves with drain and lever handle. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23300NL-D](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	23305NL-D	½" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	10	100	ea.	\$ 15.200
New!	23322NL-D	¾" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	10	100	ea.	\$ 23.530
New!	23328NL-D	1" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	10	80	ea.	\$ 40.980

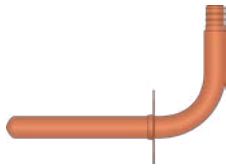


PEX Insert × MNPT Ball Valves - *No Lead Brass*
23800NL Series

No lead brass PEX F1807 × MNPT straight ball valves with butterfly handle. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23800NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	23822NL	¾" PEX F1807 × ¾" MNPT No Lead Brass Ball Valve	10	80	ea.	\$ 26.180

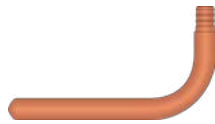


Stub-out Elbow with Edge Bracket
Stk# 28205

Copper stub-out elbow allows for 90° transitions between fixtures and wall cavities. SS press sleeves sold separately.

For complete specifications, see submittal [SUB28205](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
28205	½" PEX Barb Stubout Elbow with Edge Bracket	25	100	ea.	\$ 18.047



Stub-out Elbow
Stk# 28206

Copper stub-out elbow allows for 90° transitions between fixtures and wall cavities. SS press sleeves sold separately.

For complete specifications, see submittal [SUB28206](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
28206	½" PEX × Closed, 3-½" × 6" Stub-out Elbow		50	ea.	\$ 11.124



F1960 PEX-a Potable Water Expansion System



Fittings and Multiport Tees

High Performance Plastic (HPP) and No Lead (Eco)Brass fittings available in 1/2" to 2" for all of your plumbing needs.

PEX-a Expansion Rings

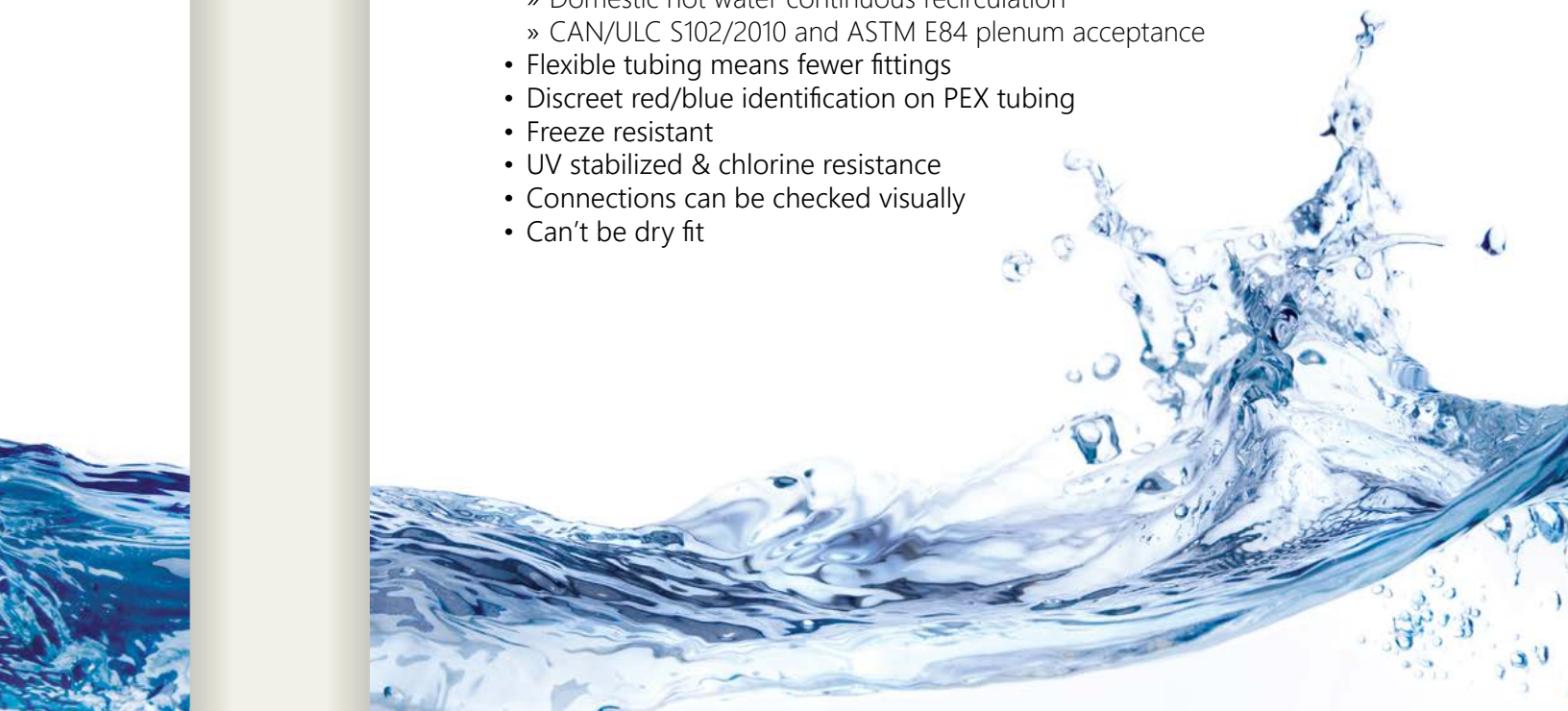
Uses the strong shape memory of PEX-a to form a tight seal. The PEX-a tubing and expansion ring are expanded with a specialized tool, and allowed to contract in order to form the connection. As the PEX-a contracts the connection will strengthen.

PureLink® Plus PEX-a Tubing

Cross-linked polyethylene tubing; crosslinking occurs during the extrusion process resulting in more uniform and higher degree in cross linking, as well as significantly improved material properties, such as flexibility, chemical resistance, and durability.

HeatLink F1960 Expansion System Advantages:

- Clean & non-toxic
- Resists scaling & corrosion
- Quiet – no water hammer noise
- Equalized pressure drops, minimize hot or cold surges
- Durable
- Reliable installation
- Low friction losses
- Meets all applicable North American approvals including:
 - » Domestic hot water continuous recirculation
 - » CAN/ULC S102/2010 and ASTM E84 plenum acceptance
- Flexible tubing means fewer fittings
- Discreet red/blue identification on PEX tubing
- Freeze resistant
- UV stabilized & chlorine resistance
- Connections can be checked visually
- Can't be dry fit




**PEX-a Expansion Rings with Stop
EX24200 Series**

PEX-a expansion rings with 360 degree stop collar for use with PEX F1960 fittings.

For complete specifications, see submittal [SUBEX24200](#).

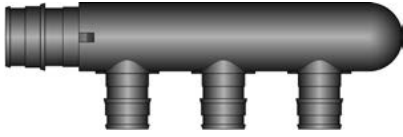
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX24205	½" PEX F1960 Expansion Ring	100	1000	ea.	\$ 0.501
EX24222	¾" PEX F1960 Expansion Ring	50	500	ea.	\$ 0.987
EX24228	1" PEX F1960 Expansion Ring	50	250	ea.	\$ 2.071
EX24235	1-¼" PEX F1960 Expansion Ring	10	150	ea.	\$ 2.310
EX24241	1-½" PEX F1960 Expansion Ring	10	100	ea.	\$ 3.243
EX24250	2" PEX F1960 Expansion Ring	5	50	ea.	\$ 6.486


**PEX F1960 Plugs - *HPP*
EX15000 Series**

High Performance Polymer PEX F1960 plugs. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX15000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX15005	½" PEX F1960 HPP Plug	25	1000	ea.	\$ 2.430
EX15022	¾" PEX F1960 HPP Plug	25	500	ea.	\$ 3.920
EX15028	1" PEX F1960 HPP Plug	5	600	ea.	\$ 5.213
EX15035	1-¼" PEX F1960 HPP Plug	1	50	ea.	\$ 24.524
EX15041	1-½" PEX F1960 HPP Plug	1	50	ea.	\$ 37.752
EX15054	2" PEX F1960 HPP Plug	1	50	ea.	\$ 42.997



PEX F1960 Closed End HPP Multiport Tees EX13000 Series

Closed one end and 3/4" or 1" PEX F1960 on the other end. 1/2" PEX F1960 branches in single row. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX13000](#)

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX13203	3 Port, 3/4" PEX F1960 × Closed End HPP Multiport Tee	5	80	ea.	\$ 17.669
	EX13204	4 Port, 3/4" PEX F1960 × Closed End HPP Multiport Tee	5	60	ea.	\$ 25.383
	EX13206	6 Port, 3/4" PEX F1960 × Closed End HPP Multiport Tee	5	40	ea.	\$ 30.293
New!	EX13804	4 Port, 1" PEX F1960 × Closed End HPP Multiport Tee	5	50	ea.	\$ 51.494
	EX13806	6 Port, 1" PEX F1960 × Closed End HPP Multiport Tee	5	40	ea.	\$ 74.019



PEX F1960 Flow Through HPP Multiport Tees EX14000 Series

Open on both ends with 3/4" or 1" PEX F1960 connections. 1/2" PEX F1960 branches in single row. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX14000](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX14202	2 Port, 3/4" × 3/4" PEX F1960 Flow Through HPP Multiport Tee	5	100	ea.	\$ 15.301
	EX14203	3 Port, 3/4" × 3/4" PEX F1960 Flow Through HPP Multiport Tee	5	80	ea.	\$ 20.653
	EX14204	4 Port, 3/4" × 3/4" PEX F1960 Flow Through HPP Multiport Tee	5	60	ea.	\$ 25.734
New!	EX14206	6 Port, 3/4" × 3/4" PEX F1960 Flow Through HPP Multiport Tee	5	40	ea.	\$ 27.602
New!	EX14704	4 Port, 1" × 3/4" PEX F1960 Flow Through HPP Multiport Tee	5	50	ea.	\$ 52.253
	EX14706	6 Port, 1" × 3/4" PEX F1960 Flow Through HPP Multiport Tee	5	40	ea.	\$ 73.821
New!	EX14804	4 Port, 1" × 1" PEX F1960 Flow Through HPP Multiport Tee	5	50	ea.	\$ 49.236
New!	EX14806	6 Port, 1" × 1" PEX F1960 Flow Through HPP Multiport Tee	5	50	ea.	\$ 68.397

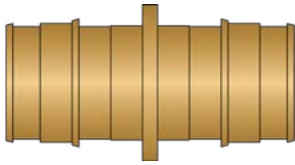


PEX F1960 Commercial HPP Multiport Tees EX13000C Series

These commercial multiport tees have 1/2" PEX F1960 branches in a double offset row to allow more connections in a smaller space. Inlet is a PEX F1960 connection and the opposite end is closed. Used with commercial PEX-a potable water expansion systems. Comes with mounting clips and screws.

For complete specifications, see submittal [SUBEX13000C](#)

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX13208C	8 Port, 3/4" PEX F1960 × Closed End HPP Commercial Multiport Tee	1	50	ea.	\$ 74.090
New!	EX13810C	10 Port, 1" PEX F1960 × Closed End HPP Commercial Multiport Tee	1	50	ea.	\$ 119.580
New!	EX13812C	12 Port, 1" PEX F1960 × Closed End HPP Commercial Multiport Tee	1	50	ea.	\$ 130.910



PEX F1960 Couplings - No Lead Brass
EX29000NL Series

Solid no lead brass (C69300-EcoBrass) PEX F1960 × PEX F1960 couplings. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX29000NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	EX29005NL	½" × ½" PEX F1960 No Lead Brass Coupling	25	500	ea.	\$ 9.576
WSL	EX29022NL	¾" × ¾" PEX F1960 No Lead Brass Coupling	25	250	ea.	\$ 14.802
WSL	EX29028NL	1" × 1" PEX F1960 No Lead Brass Coupling	10	250	ea.	\$ 27.752
WSL	EX29225NL	¾" × ½" PEX F1960 No Lead Brass Coupling	25	500	ea.	\$ 12.912
WSL	EX29282NL	1" × ¾" PEX F1960 No Lead Brass Coupling	10	250	ea.	\$ 22.848



PEX F1960 Couplings - HPP
EX19000 Series

High Performance Polymer PEX F1960 couplings. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX19000](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX19005	½" × ½" PEX F1960 HPP Coupling	25	600	ea.	\$ 3.247
	EX19022	¾" × ¾" PEX F1960 HPP Coupling	25	300	ea.	\$ 3.885
	EX19028	1" × 1" PEX F1960 HPP Coupling	10	100	ea.	\$ 5.788
	EX19035	1-¼" × 1-¼" PEX F1960 HPP Coupling	1	50	ea.	\$ 15.206
	EX19041	1-½" × 1-½" PEX F1960 HPP Coupling	1	50	ea.	\$ 16.695
	EX19054	2" × 2" PEX F1960 HPP Coupling	1	50	ea.	\$ 69.430

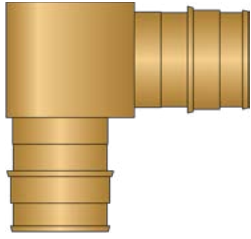


PEX F1960 Reducing Couplings - HPP
EX19200 Series

High Performance Polymer PEX F1960 reducing couplings. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX19000](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX19225	¾" × ½" PEX F1960 HPP Coupling	25	300	ea.	\$ 6.369
	EX19282	1" × ¾" PEX F1960 HPP Coupling	5	150	ea.	\$ 8.780
New!	EX19232	1-¼" × ¾" PEX F1960 HPP Coupling	1	80	ea.	\$ 12.975
	EX19238	1-¼" × 1" PEX F1960 HPP Coupling	1	50	ea.	\$ 13.415
New!	EX19242	1-½" × ¾" PEX F1960 HPP Coupling	1	50	ea.	\$ 16.231
	EX19243	1-½" × 1-¼" PEX F1960 HPP Coupling	1	50	ea.	\$ 16.524
	EX19248	1-½" × 1" PEX F1960 HPP Coupling	1	50	ea.	\$ 16.465
	EX19264	2" × 1-½" PEX F1960 HPP Coupling	1	50	ea.	\$ 54.072



PEX F1960 Elbows - *No Lead Brass*
EX28000NL Series

Solid no lead brass (C69300-EcoBrass) PEX F1960 × PEX F1960 elbows. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX28000NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	EX28005NL	½" × ½" PEX F1960 No Lead Brass Elbow	25	250	ea.	\$ 11.580
WSL	EX28022NL	¾" × ¾" PEX F1960 No Lead Brass Elbow	25	250	ea.	\$ 19.529
WSL	EX28028NL	1" × 1" PEX F1960 No Lead Brass Elbow	10	100	ea.	\$ 30.830



PEX F1960 Elbows - *HPP*
EX18000 Series

High Performance Polymer PEX F1960 elbows. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX18000](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX18005	½" × ½" PEX F1960 HPP Elbow	25	500	ea.	\$ 3.860
	EX18022	¾" × ¾" PEX F1960 HPP Elbow	25	300	ea.	\$ 4.906
	EX18028	1" × 1" PEX F1960 HPP Elbow	10	100	ea.	\$ 10.279
	EX18035	1-¼" × 1-¼" PEX F1960 HPP Elbow	1	50	ea.	\$ 22.950
	EX18041	1-½" × 1-½" PEX F1960 HPP Elbow	1	50	ea.	\$ 30.571
	EX18054	2" × 2" PEX F1960 HPP Elbow	1	50	ea.	\$ 97.810

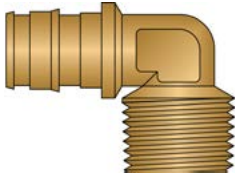


PEX F1960 45° Elbows - *HPP*
EX18400 Series

High Performance Polymer PEX F1960 45° elbows. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX18400](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX18441	1-½" × 1-½" PEX F1960 HPP 45 Elbow	1	50	ea.	\$ 33.920
New!	EX18454	2" × 2" PEX F1960 HPP 45 Elbow	1	50	ea.	\$ 98.530

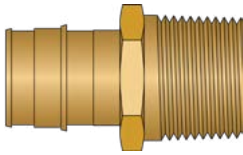


PEX F1960 × MNPT Elbow Adapters - *No Lead Brass*
EX28500NL Series

Solid brass no lead (C69300-EcoBrass) PEX F1960 × MNPT elbow adapters. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX28500NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX28505NL	½" PEX F1960 × ½" MNPT No Lead Brass Elbow	25	250	ea.	\$ 21.962



PEX F1960 × MNPT Adapters - *No Lead Brass*
EX27500NL Series

Solid brass no lead (C69300-EcoBrass) PEX F1960 × MNPT adapters. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX27500NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX27505NL	½" PEX F1960 × ½" MNPT No Lead Brass Adapter	25	250	ea.	\$ 9.033
New!	EX27552NL	½" PEX F1960 × ¾" MNPT No Lead Brass Adapter	25	250	ea.	\$ 21.131
New!	EX27521NL	¾" PEX F1960 × 1" MNPT No Lead Brass Adapter	10	150	ea.	\$ 31.887
	EX27522NL	¾" PEX F1960 × ¾" MNPT No Lead Brass Adapter	25	250	ea.	\$ 16.243
	EX27528NL	1" PEX F1960 × 1" MNPT No Lead Brass Adapter	10	150	ea.	\$ 33.186
New!	EX27582NL	1" PEX F1960 × ¾" MNPT No Lead Brass Adapter	10	150	ea.	\$ 32.434
	EX27535NL	1-¼" PEX F1960 × 1-¼" MNPT No Lead Brass Adapter	5	70	ea.	\$ 74.273
	EX27541NL	1-½" PEX F1960 × 1-½" MNPT No Lead Brass Adapter	5	25	ea.	\$ 100.187
	EX27554NL	2" PEX F1960 × 2" MNPT No Lead Brass Adapter	5	10	ea.	\$ 292.533

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX F1960 × MNPT Adapters - *HPP*
EX17500 Series

High Performance Polymer PEX F1960 × MNPT adapters. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX17500](#).

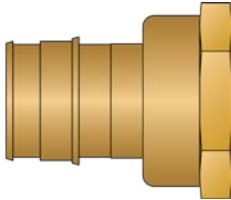
	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX17505	½" PEX F1960 × ½" MNPT HPP Adapter	25	375	ea.	\$ 3.346
	EX17552	½" PEX F1960 × ¾" MNPT HPP Adapter	25	350	ea.	\$ 4.293
	EX17522	¾" PEX F1960 × ¾" MNPT HPP Adapter	25	300	ea.	\$ 5.551


PEX F1960 Drop Ear Elbows - No Lead Brass
EX28300NL Series

Solid no lead brass (C69300-EcoBrass) 1/2" PEX F1960 × 1/2" FNPT drop ear elbow. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX28300NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX28305NL	1/2" PEX F1960 × 1/2" FNPT Drop Ear No Lead Brass Elbow	10	160	ea.	\$ 24.269
New!	EX28322NL	3/4" PEX F1960 × 3/4" FNPT Drop Ear No Lead Brass Elbow	4	120	ea.	\$ 49.329


PEX F1960 × FNPT Adapters - No Lead Brass
EX27600NL Series

Solid no lead brass (C69300-EcoBrass) PEX F1960 × FNPT adapters. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX27600NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX27605NL	1/2" PEX F1960 × 1/2" FNPT No Lead Brass Adapter	25	400	ea.	\$ 18.076
	EX27622NL	3/4" PEX F1960 × 3/4" FNPT No Lead Brass Adapter	25	300	ea.	\$ 20.980
	EX27628NL	1" PEX F1960 × 1" FNPT No Lead Brass Adapter	25	150	ea.	\$ 44.174
	EX27635NL	1-1/4" PEX F1960 × 1-1/4" FNPT No Lead Brass Adapter	5	70	ea.	\$ 80.128
	EX27641NL	1-1/2" PEX F1960 × 1-1/2" FNPT No Lead Brass Adapter	5	35	ea.	\$ 162.045
New!	EX27654NL	2" PEX F1960 × 2" FNPT No Lead Brass Adapter	5	30	ea.	\$ 385.138

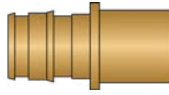
Note: 1-1/2" and larger fittings may be ordered in less than package quantities; no surcharge.


PEX F1960 × Swivel Adapters - HPP
EX17700 Series

High Performance Polymer PEX F1960 × swivel adapters. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX17700](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX17755	1/2" PEX F1960 × 1/2" Swivel HPP Adapter	25	400	ea.	\$ 6.108



PEX F1960 × Male Sweat Adapters - No Lead Brass
EX27100NL Series

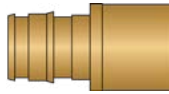
Solid no lead brass (C69300-EcoBrass) PEX F1960 × male sweat adapters. PEX-a expansion rings sold separately.

Not intended for use with copper press fittings.

For complete specifications, see submittal [SUBEX27100NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX27105NL	½" PEX F1960 × ½" M/Sweat No Lead Brass Adapter	25	700	ea.	\$ 6.310
EX27122NL	¾" PEX F1960 × ¾" M/Sweat No Lead Brass Adapter	25	400	ea.	\$ 13.804
EX27128NL	1" PEX F1960 × 1" M/Sweat No Lead Brass Adapter	10	200	ea.	\$ 25.909
EX27135NL	1-¼" PEX F1960 × 1-¼" M/Sweat No Lead Brass Adapter	5	40	ea.	\$ 56.027
EX27141NL	1-½" PEX F1960 × 1-½" M/Sweat No Lead Brass Adapter	5	30	ea.	\$ 92.076
EX27154NL	2" PEX F1960 × 2" M/Sweat No Lead Brass Adapter	5	20	ea.	\$ 254.803

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX F1960 × Female Sweat Adapters - No Lead Brass
EX27200NL Series

Solid no lead brass (C69300-EcoBrass) PEX F1960 × female sweat adapters. PEX-a expansion rings sold separately.

Not intended for use with copper press fittings.

For complete specifications, see submittal [SUBEX27200NL](#).

New!

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX27205NL	½" PEX F1960 × ½" F/Sweat No Lead Brass Adapter	25	700	ea.	\$ 6.451
EX27222NL	¾" PEX F1960 × ¾" F/Sweat No Lead Brass Adapter	25	400	ea.	\$ 14.677
EX27225NL	¾" PEX F1960 × ½" F/Sweat No Lead Brass Adapter	25	400	ea.	\$ 21.342
EX27228NL	1" PEX F1960 × 1" F/Sweat No Lead Brass Adapter	10	200	ea.	\$ 24.443
EX27235NL	1-¼" PEX F1960 × 1-¼" F/Sweat No Lead Brass Adapter	5	70	ea.	\$ 64.761
EX27241NL	1-½" PEX F1960 × 1-½" F/Sweat No Lead Brass Adapter	5	60	ea.	\$ 99.230
EX27254NL	2" PEX F1960 × 2" F/Sweat No Lead Brass Adapter	5	30	ea.	\$ 263.330

Note: 1-½" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX F1960 × Groove Adapters - No Lead Brass
EX27G00NL Series

Solid no lead brass (C69300-EcoBrass) PEX F1960 × groove adapters. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX27G00NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX27G54NL	2" PEX F1960 × 2" IPS Roll Groove No Lead Brass Adapter	5	10	ea.	\$ 125.660

Note: 1-1/2" and larger fittings may be ordered in less than package quantities; no surcharge.



PEX F1960 × Copper Press Adapters - No Lead Brass
EX27P00NL Series

Solid no lead brass PEX F1960 × copper press adapters. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX27P00NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX27P05NL	1/2" PEX F1960 × 1/2" Copper Press Adapter	30	120	ea.	\$ 8.300
New!	EX27P22NL	3/4" PEX F1960 × 3/4" Copper Press Adapter	30	120	ea.	\$ 12.000
New!	EX27P28NL	1" PEX F1960 × 1" Copper Press Adapter	30	120	ea.	\$ 17.450
New!	EX27P35NL	1-1/4" PEX F1960 × 1-1/4" Copper Press Adapter	20	80	ea.	\$ 27.270
New!	EX27P41NL	1-1/2" PEX F1960 × 1-1/2" Copper Press Adapter	20	80	ea.	\$ 39.070
New!	EX27P54NL	2" PEX F1960 × 2" Copper Press Adapter	9	27	ea.	\$ 67.270

Note: 1-1/2" and larger fittings may be ordered in less than package quantities; no surcharge.



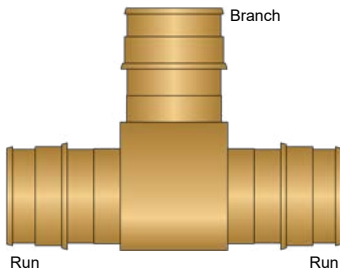
PEX F1960 × CPVC Adapters - No Lead Brass
EX27V00NL Series

No lead brass PEX F1960 × CPVC (CTS) socket adapters. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX27V00NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX27V35NL	1-1/4" PEX F1960 × 1-1/4" CPVC Socket Adapter	10	60	ea.	\$ 72.380
New!	EX27V41NL	1-1/2" PEX F1960 × 1-1/2" CPVC Socket Adapter	10	40	ea.	\$ 84.140
New!	EX27V54NL	2" PEX F1960 × 2" CPVC Socket Adapter	8	32	ea.	\$ 125.910

Note: 1-1/2" and larger fittings may be ordered in less than package quantities; no surcharge.

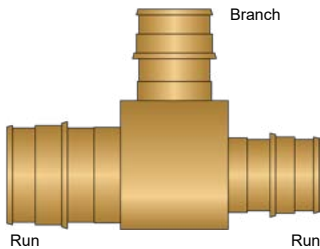


PEX F1960 Tees - **No Lead Brass** EX26000NL Series

Solid no lead brass (C69300-EcoBrass) PEX F1960 tees. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX26000NL](#).

	Stk#	Description (run × run × branch)	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	EX26555NL	½" × ½" × ½" PEX F1960 No Lead Brass Tee	25	250	ea.	\$ 16.654
WSL	EX26222NL	¾" × ¾" × ¾" PEX F1960 No Lead Brass Tee	25	250	ea.	\$ 27.372
WSL	EX26888NL	1" × 1" × 1" PEX F1960 No Lead Brass Tee	10	100	ea.	\$ 47.207

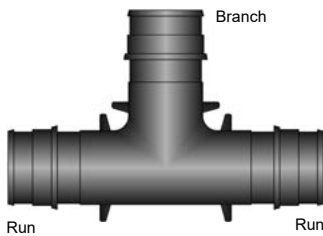


PEX F1960 Reducing Tees - **No Lead Brass** EX26000NL Series

Solid no lead brass (C69300-EcoBrass) PEX F1960 tees. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX26000NL](#).

	Stk#	Description (run × run × branch)	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	EX26225NL	¾" × ¾" × ½" PEX F1960 No Lead Brass Tee	25	250	ea.	\$ 27.275
WSL	EX26252NL	¾" × ½" × ¾" PEX F1960 No Lead Brass Tee	25	250	ea.	\$ 22.958
WSL	EX26255NL	¾" × ½" × ½" PEX F1960 No Lead Brass Tee	25	250	ea.	\$ 23.253
WSL	EX26822NL	1" × ¾" × ¾" PEX F1960 No Lead Brass Tee	5	100	ea.	\$ 49.645
WSL	EX26882NL	1" × 1" × ¾" PEX F1960 No Lead Brass Tee	5	100	ea.	\$ 50.512
WSL	EX26885NL	1" × 1" × ½" PEX F1960 No Lead Brass Tee	10	100	ea.	\$ 49.453

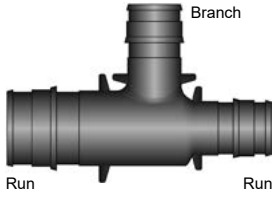


PEX F1960 Tees - **HPP** EX16000 Series

High Performance Polymer PEX F1960 tees. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX16000](#).

	Stk#	Description (run × run × branch)	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX16555	½" × ½" × ½" PEX F1960 HPP Tee	25	250	ea.	\$ 3.929
	EX16222	¾" × ¾" × ¾" PEX F1960 HPP Tee	25	100	ea.	\$ 6.262
	EX16888	1" × 1" × 1" PEX F1960 HPP Tee	10	60	ea.	\$ 11.474
	EX16333	1-¼" × 1-¼" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 25.776
	EX16444	1-½" × 1-½" × 1-½" PEX F1960 HPP Tee	1	50	ea.	\$ 38.012
	EX16666	2" × 2" × 2" PEX F1960 HPP Tee	1	50	ea.	\$ 119.148



PEX F1960 Reducing Tees - HPP EX16000 Series

High Performance Polymer PEX F1960 reducing tees. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX16000](#).

	Stk#	Description (run × run × branch)	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX16255	¾" × ½" × ½" PEX F1960 HPP Tee	25	200	ea.	\$ 5.930
	EX16225	¾" × ¾" × ½" PEX F1960 HPP Tee	25	175	ea.	\$ 5.236
New!	EX16228	¾" × ¾" × 1" PEX F1960 HPP Tee	10	80	ea.	\$ 16.865
	EX16252	¾" × ½" × ¾" PEX F1960 HPP Tee	25	150	ea.	\$ 6.140
	EX16552	½" × ½" × ¾" PEX F1960 HPP Tee	25	200	ea.	\$ 12.958
	EX16822	1" × ¾" × ¾" PEX F1960 HPP Tee	5	75	ea.	\$ 10.154
	EX16828	1" × ¾" × 1" PEX F1960 HPP Tee	5	60	ea.	\$ 11.985
	EX16882	1" × 1" × ¾" PEX F1960 HPP Tee	5	75	ea.	\$ 11.540
	EX16885	1" × 1" × ½" PEX F1960 HPP Tee	10	90	ea.	\$ 10.590
	EX16332	1-¼" × 1-¼" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 23.965
	EX16335	1-¼" × 1-¼" × ½" PEX F1960 HPP Tee	1	50	ea.	\$ 18.492
	EX16338	1-¼" × 1-¼" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 24.604
	EX16382	1-¼" × 1" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 20.398
	EX16388	1-¼" × 1" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 24.146
	EX16432	1-½" × 1-¼" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 34.373
	EX16433	1-½" × 1-¼" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 38.049
	EX16438	1-½" × 1-¼" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 35.692
	EX16442	1-½" × 1-½" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 31.006
	EX16443	1-½" × 1-½" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 34.530
New!	EX16445	1-½" × 1-½" × ½" PEX F1960 HPP Tee	1	50	ea.	\$ 27.640
	EX16448	1-½" × 1-½" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 32.950
New!	EX16484	1-½" × 1" × 1-½" PEX F1960 HPP Tee	1	50	ea.	\$ 32.541
	EX16488	1-½" × 1" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 30.411
	EX16642	2" × 1-½" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 108.482
	EX16643	2" × 1-½" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 116.743
	EX16644	2" × 1-½" × 1-½" PEX F1960 HPP Tee	1	50	ea.	\$ 114.485
New!	EX16646	2" × 1-½" × 2" PEX F1960 HPP Tee	1	50	ea.	\$ 104.005
	EX16648	2" × 1-½" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 92.678
	EX16662	2" × 2" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 101.143
	EX16663	2" × 2" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 104.879
	EX16664	2" × 2" × 1-½" PEX F1960 HPP Tee	1	50	ea.	\$ 117.046
New!	EX16665	2" × 2" × ½" PEX F1960 HPP Tee	1	50	ea.	\$ 91.529
	EX16668	2" × 2" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 98.758



Stub-out Elbow
Stk# EX28208NL

Copper stub-out elbow allows for 90° transitions between fixtures and wall cavities. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUB28208NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX28208NL	1/2" PEX F1960 × Closed, 3-1/2" × 8" Stub-out Elbow		50	ea.	\$ 17.440



Plated Straight Stop Valves - No Lead Brass
Stk# EX23505NLB & EX23905NLB

No lead brass 1/2" PEX × O.D. compression, nickel plated straight stop valves. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX23500NLB](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX23505NLB	1/2" PEX F1960 × 3/8" O.D. No Lead Brass Plated Straight Ball Valve	20	240	ea.	\$ 11.030
New!	EX23905NLB	1/2" PEX F1960 × 1/4" O.D. No Lead Straight Ball Valve	20	240	ea.	\$ 10.310



Plated Angle Stop Valves - No Lead Brass
Stk# EX23605NLB

No lead brass 1/2" PEX × O.D. compression, nickel plated angle stop valves. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX23600NLB](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX23605NLB	1/2" PEX F1960 × 3/8" O.D. No Lead Brass Plated Angle Ball Valve	20	240	ea.	\$ 11.030



PEX F1960 Ball Valves - No Lead Brass
EX23300NL Series

No lead brass PEX F1960 × PEX F1960 full port straight ball valves with lever handle. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX23300NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX23305NL	1/2" PEX F1960 No Lead Brass Ball Valve, Full Port	10	120	ea.	\$ 15.320
	EX23322NL	3/4" PEX F1960 No Lead Brass Ball Valve, Full Port	10	80	ea.	\$ 24.220
	EX23328NL	1" PEX F1960 No Lead Brass Ball Valve, Full Port	6	48	ea.	\$ 40.340
	EX23335NL	1-1/4" PEX F1960 No Lead Brass Ball Valve, Full Port	4	24	ea.	\$ 64.660
	EX23341NL	1-1/2" PEX F1960 No Lead Brass Ball Valve, Full Port	2	16	ea.	\$ 89.540
	EX23354NL	2" PEX F1960 No Lead Brass Ball Valve, Full Port	2	12	ea.	\$ 168.180



PEX F1960 Ball Valves with Butterfly Handle - *No Lead Brass*
EX23300NL-BF Series

No lead brass PEX F1960 × PEX F1960 full port straight ball valves with butterfly handle. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX23300NL-BF](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX23305NL-BF	½" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	10	120	ea.	\$ 15.320
New!	EX23322NL-BF	¾" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	10	80	ea.	\$ 24.220
New!	EX23328NL-BF	1" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	6	48	ea.	\$ 40.340



PEX F1960 Ball Valves with Drain - *No Lead Brass*
EX23300NL-D Series

No lead brass PEX F1960 × PEX F1960 full port straight ball valves with drain and lever handle. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX23300NL-D](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX23305NL-D	½" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	10	100	ea.	\$ 17.090
New!	EX23322NL-D	¾" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	10	100	ea.	\$ 27.010
New!	EX23328NL-D	1" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	5	50	ea.	\$ 44.980

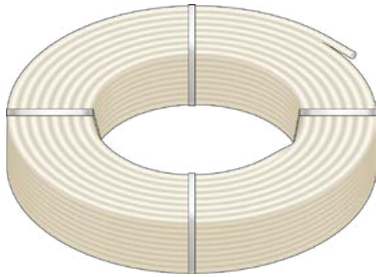


PEX F1960 × MNPT Ball Valves - *No Lead Brass*
EX23800NL Series

No lead brass PEX F1960 × MNPT straight ball valves with butterfly handle. PEX-a expansion rings sold separately.

For complete specifications, see submittal [SUBEX23800NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	EX23822NL	¾" PEX F1960 × ¾" MNPT No Lead Brass Ball Valve	10	80	ea.	\$ 25.850


**PEX-a Tubing Coils with O₂ Barrier
94000 Series**

High molecular cross-linked polyethylene (PEX-a) with minimum bending radius of 6× the outside diameter @ 68°F (20°C). Maximum operating temperature: 180°F @ 100 PSI (82°C @ 690 kPa). Covered by a twenty-five year manufacturer's limited warranty. Comes with oxygen diffusion barrier which prevents oxygen from entering the heating system through the tubing wall. For complete specifications, see submittal [SUB94000](#).

Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
94205	½" 250ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	48	coil	\$ 376.25
94305	½" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	48	coil	\$ 451.50
94505	½" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	32	coil	\$ 752.50
94105	½" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	16	coil	\$ 1,505.00
94019400	⅝" 400ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	32	coil	\$ 820.80
94519	⅝" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	16	coil	\$ 1,026.00
94119	⅝" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	12	coil	\$ 2,052.00
94322	¾" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	16	coil	\$ 781.50
94522	¾" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	12	coil	\$ 1,302.50
94122	¾" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	7	coil	\$ 2,605.00
94128	1" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	28	coil	\$ 462.80
94528	1" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	7	coil	\$ 2,314.00
94135	1-¼" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	12	coil	\$ 742.40
94335	1-¼" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	7	coil	\$ 2,227.20
94141	1-½" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	8	coil	\$ 1,029.90
94341	1-½" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	5	coil	\$ 3,089.70



Pre-insulated 100ft coils are available as a special order item. Minimum quantities and extended lead times apply. Contact us for more information.


**PEX-a Tubing Straight Lengths with O₂ Barrier
94000 Series**

High molecular cross-linked polyethylene (PEX-a) with minimum bending radius of 6× the outside diameter @ 68°F (20°C). Maximum operating temperature: 180°F @ 100 PSI (82°C @ 690 kPa). Covered by a twenty-five year manufacturer's limited warranty. Comes with oxygen diffusion barrier which prevents oxygen from entering the heating system through the tubing wall. For complete specifications, see submittal [SUB94000](#).

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
94222	¾" 10×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	20	bundle	\$ 521.00
94228	1" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	20	bundle	\$ 462.80
94235	1-¼" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	15	bundle	\$ 742.40
94241	1-½" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	10	bundle	\$ 1,029.90

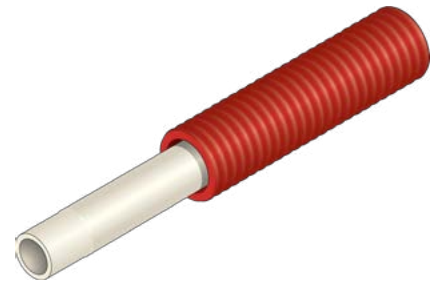
**HeatLink® O₂ Barrier Pipe-in-Pipe
94000 Sheathed Series**

PEX-a carrier tubing specified on previous pages. The flexible, impact resistant red PP sheath designed as a raceway for electrical installations provides mechanical and UV protection to the PEX-a carrier tubing. The sheath allows for easy replacement of the PEX-a carrier tubing if needed.

For complete specifications, see submittal [SUB94000rs](#).

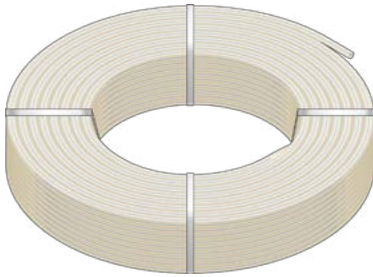
PP sheath is rated to UL94HB "Tests for Flammability of Plastic Materials."

Corrugated sheath outside diameter for: ½" = 0.93" (23.6 mm)



	Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
Special Order*	94305rs	½" 300' O ₂ Barrier HeatLink® Pipe-in-Pipe Red Sheath	1	18	coil	\$ 702.90
Special Order*	94322rs	¾" 300' O ₂ Barrier HeatLink® Pipe-in-Pipe Red Sheath	1	9	coil	\$ 1,188.90

* Lead time may vary. Call to confirm time line.



Non Barrier PEX-a Tubing Coils
20000 Series

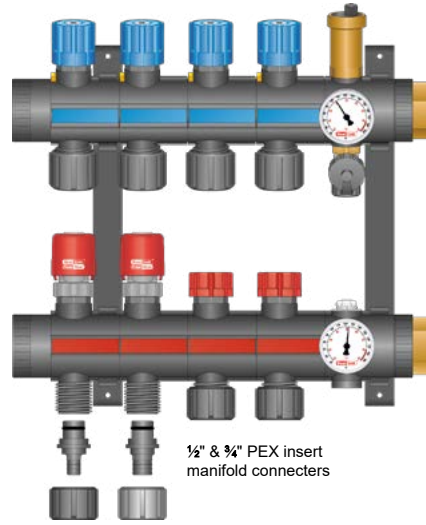
High molecular cross-linked polyethylene (PEX-a) with minimum bending radius of 6× the outside diameter @ 68°F (20°C). Maximum operating temperature: 180°F @ 100 PSI (82°C @ 690 kPa). Covered by a twenty-five year manufacturer's limited warranty.

For complete specifications, see submittal [SUB20000](#).

Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
20305	½" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 322.200
20505	½" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	32	coil	\$ 537.000
20905	½" 1000ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 1,074.000
20322	¾" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 559.800
20522	¾" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	12	coil	\$ 933.000
20128	1" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 352.100
20328	1" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 1,056.300

Features & Benefits :

- Modular “tool-less” assembly.
- Multiple configurations, all interchangeable; can be reconfigured on-site.
- Unlike a fixed loop manifold, loops can be added or removed as required.
- Stock is flexible, as there is no need to stock fixed-length manifolds. Minimal SKUs on the shelf.
- Balancing return.
- Zone valve supply with manual shut-off; accepts optional actuators.
- Max. trunk flow rate: 79400 kit - 18 US gpm (4.1 m³/h)
- Max. circuit flow rate: 2.5 US gpm (0.57 m³/h)
- ½", ⅝", and ¾" PEX to manifold connectors available.
- Test rated to over 230 PSI @ 180°F water temperature.
- 5 year limited warranty.



(79400 assembly kit shown with 4× 78400 module pairs and 2 actuators)

Typical Applications:

- Commercial.
- Snow melting.

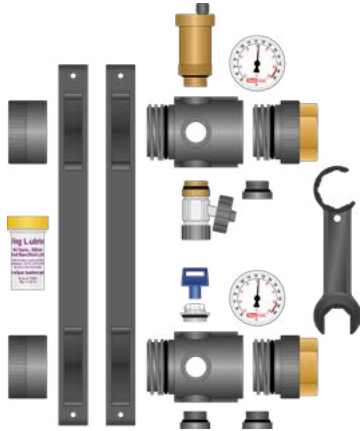
Assembly Kit	# of Loops	Modules	Additional Brackets	Recommended Housing*	
				Recessed**	Surface Mount with Rails
79400	2	2× 78400	-	71724	72434
	3	3× 78400	-	71724	72434
	4	4× 78400	-	71724	72434
	5	5× 78400	-	71730	72434
	6	6× 78400	1× 79991	71730	72434
	7	7× 78400	1× 79991	71743	72434
	8	8× 78400	1× 79991	71743	72434
	9	9× 78400	1× 79991	71743	72442
	10	10× 78400	2× 79991	71743	72442
	11	11× 78400	2× 79991	71743	72442
	12	12× 78400	2× 79991	n/a	72442

Actuator Selection	
Actuator with LED	56200
Actuator with End Switch	56230

Tubing Size	Tubing to Manifold Connectors / Loop		Conduit Elbows / Loop for “Wet” Installation
	Compression	PEX Insert	
½"	77005	2× 23015	2× 86005
⅝"	77019	n/a	2× 86020
¾"	77022	2× 23032	2× 86022

* Recommended housing based on 79400 kit and 90° mains piping.

** Thermometers must be removed.


TwistSeal® (55 mm) Deluxe Manifold Assembly Kit
Stk# 79400

This package contains the items needed to assemble a Deluxe TwistSeal® Manifold. Contents include:

- 2 mounting brackets
- 2 - 1" FNPT supply end connections
- 2 closed end caps
- 1 lube bottle
- 2 cross tees c/w 3 - 1/2" cross tee plugs
- 1 thermometer pair c/w wells
- 1 manual air vent with 1 key
- 1 automatic air vent
- 1 hose bib
- 1 wrench for plastic nut

For complete specifications, see submittal [SUB79400](#).

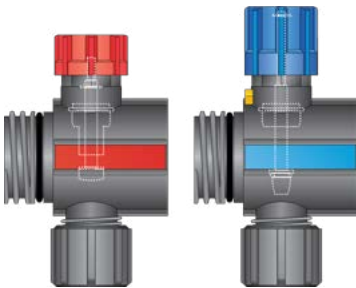
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79400	1" TwistSeal® (55mm) Deluxe Manifold Assembly Kit	1		ea.	\$ 586.10


Mounting Bracket (55 mm)
Stk# 79991

Plastic mounting bracket which allows easy 'snap-on' mounting of manifolds.

- 1 additional bracket should be used on 6 to 8 loop manifolds.
- 2 additional brackets should be used on 9 to 11 loop manifolds.
- 3 additional brackets should be used on 12 loop manifolds.

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79991	TwistSeal® (55mm) Mounting Bracket	1		ea.	\$ 28.35


TwistSeal® Deluxe (55 mm) Supply / Return Modules c/w Heavy Duty Zone Valve Supply & Balancing Return
Stk# 78400

The supply module provides on/off manual control to allow isolation of individual loops, and may be fitted for electric actuator and thermostat operation. The return module permits the balancing of the flow rate. Comes with o-rings. Modules can be locked in place with a couple of turns. No threaded rod, solder, or tools required. Just twist and seal.

For complete specifications, see submittal [SUB79400](#).

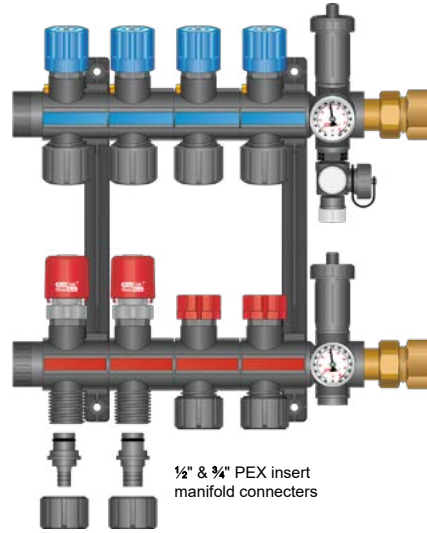
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
78400	TwistSeal® Deluxe (55mm) Z.V. Supply & Balancing Return Module Pair	1	10	pair	\$ 214.87

Features & Benefits :

- Modular “tool-less” assembly.
- Multiple configurations ,all interchangeable; can be reconfigured on-site.
- Unlike a fixed loop manifold, loops can be added or removed as required.
- Stock is flexible, as there is no need to stock fixed-length manifolds. Minimal SKUs on the shelf.
- Maximum trunk flow rate: 11 US gpm (2.5 m³/h)
- Maximum circuit flow rate:
7830x - 1 US gpm (0.23 m³/h)
78200 - 1.25 US gpm (0.28 m³/h)
- ½", ⅝", and ¾" PEX to manifold connectors available.
- Test rated to over 230 PSI @ 180°F water temperature.
- 5 year limited warranty.

Typical Applications:

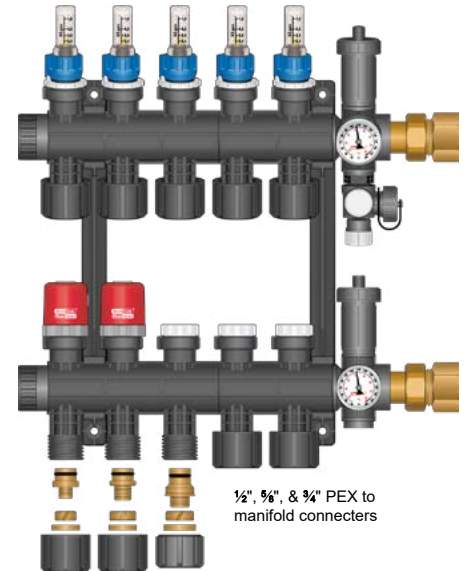
- Residential.
- Small commercial.



(79200 assembly kit shown with 78200 module pairs and 2 actuators)

78200 Module Specific Features:

- Flow balancing return.
- Zone valve supply with manual shut-off; accepts optional actuators.



(79200 assembly kit shown with 78302 and 78303 module pairs and 2 actuators)

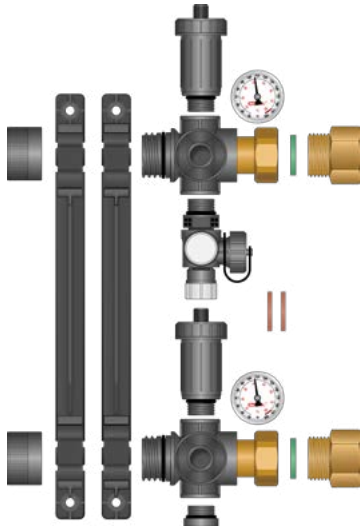
7830x Module Specific Features:

- Lockable balancing return with 0.4 - 1 US gpm (1.5 - 3.8 L/min) flow meter.
- Zone valve supply with manual shut-off; accepts optional actuators.

Assembly Kit	# of Loops	Choose Module Type		Additional Brackets	Recommended Housing*	
		Balancing	Multiport Flow Meter		Recessed	Surface Mount with Rails
79200	2	2× 78200	1× 78302	-	71724	72434
	3	3× 78200	1× 78303	-	71724	72434
	4	4× 78200	2× 78302	-	71724	72434
	5	5× 78200	1× 78302 1× 78303	-	71730	72434
	6	6× 78200	2× 78303	1× 79892	71730	72434
	7	7× 78200	2× 78302 1× 78303	1× 79892	71730	72434
	8	8× 78200	1× 78302 2× 78303	1× 79892	71743	72434
	9	9× 78200	3× 78303	2× 79892	71743	72442
	10	10× 78200	2× 78302 2× 78303	2× 79892	71743	72442
	11	11× 78200	1× 78302 3× 78303	2× 79892	71743	72442
	12	12× 78200	4× 78303	3× 79892	71743	72442
	Actuator Selection					
	Actuator with LED	56200	56202			
	Actuator with End Switch	56230	56232			

Tubing Size	Tubing to Manifold Connectors / Loop		Conduit Elbows / Loop for “Wet” Installation
	Compression	PEX Insert	
½"	77005	2× 23015	2× 86005
⅝"	77019	n/a	2× 86020
¾"	77022	2× 23032	2× 86022

* Recommended housing based on 79200 kit and 90° mains piping


**TwistSeal® Mini (40 mm) Deluxe Manifold Assembly Kit
Stk# 79200**

This package contains the items needed to assemble a mini deluxe heating manifold. Contents include:

- 2 mounting brackets
- 2 - 1" union cross tee end connection c/w green fibre gasket
- 2 - 1" MBSP × 1" FNPT adapter
- 2 red rubber gaskets for air testing
- 2 closed end caps
- 1 - 1/2" cross tee plug
- 1 thermometer pair
- 2 automatic air vents
- 1 hose bib
- 1 lubricant package

For complete specifications, see submittal [SUB78200](#) or [SUB78300](#).

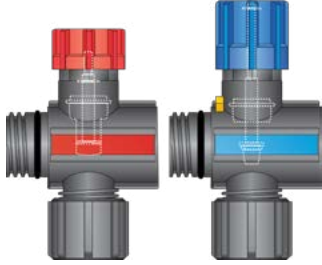
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79200	1" TwistSeal® Mini (40mm) Deluxe Manifold Assembly Kit	1		ea.	\$ 265.51

**Mini Mounting Bracket (40 mm)
Stk# 79892**


Plastic mounting bracket which allow easy 'snap-on' mounting of manifolds. Offset provides tubing passage behind second manifold.

- 1 additional bracket should be used on 6 to 8 loop manifolds.
- 2 additional brackets should be used on 9 to 11 loop manifolds.
- 3 additional brackets should be used on 12 loop manifolds.

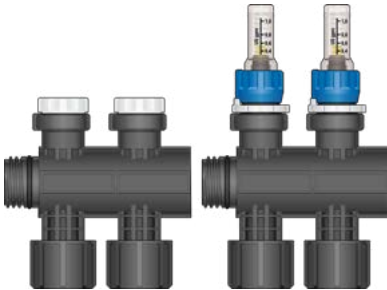
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79892	TwistSeal® Multiport (40mm) Double Mounting Bracket	1	20	ea.	\$ 23.34


**TwistSeal® Mini Deluxe (40 mm) Supply / Return Modules
c/w Heavy Duty Zone Valve Supply & Balancing Return
Stk# 78200**

The supply module provides on/off manual control to allow isolation of individual loops. The return module permits balancing of the flow rate with flow setting dial. Comes with o-rings.

For complete specifications, see submittal [SUB78200](#).

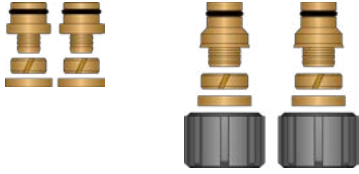
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
78200	TwistSeal® Mini Deluxe (40mm) Z.V. Supply & Balancing Return Module Pair	1	10	pair	\$ 167.10


**TwistSeal® Mini (40 mm) Multiport Zone Valve Supply &
Flow Meter Balancing Return Module Pair
78300 Series**

The supply module provides on/off manual control to allow isolation of individual loops. The return module permits visual balancing of the flow rate with the flow meter. Comes with o-rings.

For complete specifications, see submittal [SUB78300](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
78302	TwistSeal® Mini (40mm) 2-port Z.V. Supply & Flow Meter Return Module Pair	1	6	pair	\$ 263.13
78303	TwistSeal® Mini (40mm) 3-port Z.V. Supply & Flow Meter Return Module Pair	1	4	pair	\$ 394.66

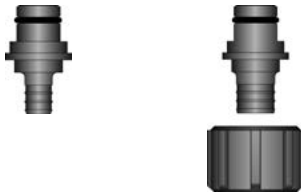


PEX Connecters for TwistSeal® Manifolds 77000 Series

Solid brass fitting attaches to the end of the PEX tubing and allows for easy installation onto the bottom of the manifold module. Comes with o-ring.

For complete specifications, see submittal [SUB77000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
77005	1/2" PEX to TwistSeal® Manifold Connector	1	10	pair	\$ 26.20
77019	5/8" PEX to TwistSeal® Manifold Connector	1	10	pair	\$ 34.98
77022	3/4" PEX to TwistSeal® Manifold Connector c/w Nut	1		pair	\$ 57.05



PEX Insert Connecters for TwistSeal® Manifold 23000 Series

Plastic fitting is installed into the bottom of the manifold module and is held in place by the nut. The tubing is then pressed on to this fitting. Comes with o-ring. SS press sleeves sold separately ([page 12](#)). *Not for potable water use.*

For complete specifications, see submittal [SUB23000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
23015	1/2" PEX Insert Manifold Connector	5		ea.	\$ 5.69
23032	3/4" PEX Insert Manifold Connector c/w Nut	5		ea.	\$ 10.58



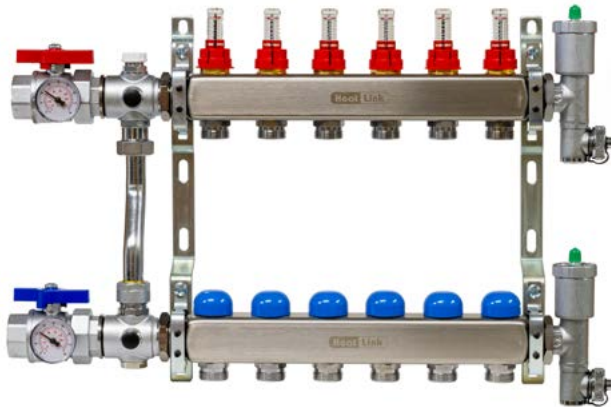
1-1/4" Stainless Steel Manifolds

Common Features:

- Preassembled configurations from 2 to 12 loops.
- Integrated 1" FNPT isolation valves and hosebibs.
- Zone valve return with manual shut-off; accepts optional actuators.
- Maximum trunk flow rate: 18 US gpm (4.1 m³/h)
- 1/2", 5/8", and 3/4" PEX connectors available.

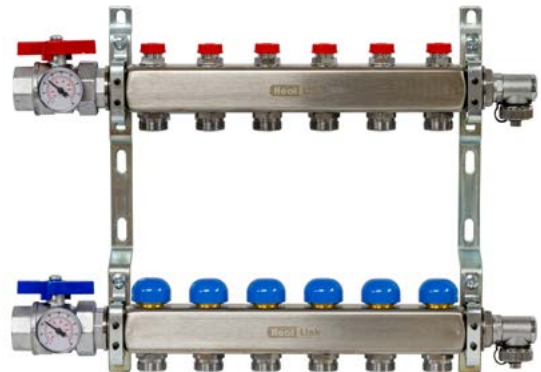
75100 Series

75106 - 6 loop model shown with pressure bypass valve kit and side mount auto air vent kit



75200 Series

75206 - 6 loop model shown



Model Specific Features:

- Maximum circuit flow rate: 2 US gpm (0.45 m³/h)
- Balancing supply with 0-2 US gpm (0-7.5 L/min) flow meter.
- Maximum operating temperature: 160°F (71°C)
- Maximum operating pressure: 87 psi (6 bar)

Typical Applications:

- Residential.
- Small commercial.

Model Specific Features:

- Maximum circuit flow rate: 2.5 US gpm (0.57m³/h)
- Balancing supply.
- Maximum operating temperature: 185°F (85°C)
- Maximum operating pressure: 145 psi (10 bar)

Typical Applications:

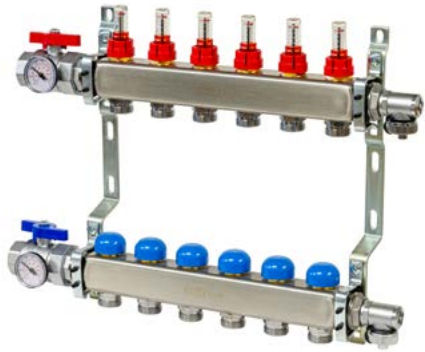
- Commercial.
- Snow melting.

# of Loops	Recommended Housing*	
	Recessed	Surface Mount with Rails
2	71724	72434
3	71724	72434
4	71730	72434
5	71730	72434
6	71730	72434
7	71743	72434
8	71743	72434
9	71743	72434
10	71743	72442
11	71743	72442
12	71743	72442

PEX Size	PEX Connecters / Loop		Conduit Elbows / Loop for "Wet" Installation
	Compression	F1960 Expansion	
1/2"	77105	EX77305	2× 86005
5/8"	77119	EX77319	2× 86020
3/4"	77122	EX77322	2× 86022

Manifold Series	Actuator with LED	Actuator with End Switch	DDC Actuator
1-1/4" Stainless Steel (75100 or 75200 series)	56201	56231	56121

* Recommended housing based on 90° mains piping



1-1/4" Stainless Steel Manifolds with Flow Meters 75100 Series

The supply manifold comes with a 1" FNPT isolation valve, thermometer, hose bib/air vent, and lockable 0-2 US gpm (0-7.5 L/min; ±10% precision) visual flow meters.

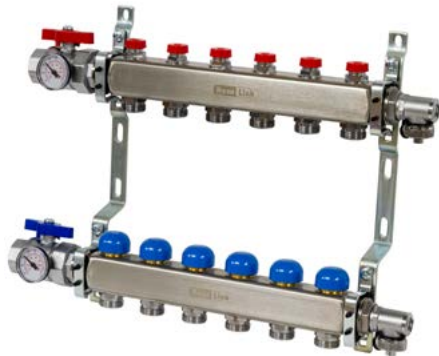
The return manifold comes with a 1" FNPT isolation valve, thermometer, hose bib/air vent, and shut-off valves that accept optional actuators.

Two metal mounting brackets are included.

PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUB75100](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
75102	2 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 634.00
75103	3 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 739.47
75104	4 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 842.36
75105	5 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 947.65
75106	6 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,048.87
75107	7 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,155.22
75108	8 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,252.52
75109	9 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,355.91
75110	10 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,505.96
75111	11 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,613.21
75112	12 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,726.79



1-1/4" High Flow Stainless Steel Manifolds 75200 Series

The supply manifold comes with a 1" FNPT isolation valve, thermometer, hose bib/air vent, and flow balancing valves.

The return manifold comes with a 1" FNPT isolation valve, thermometer, hose bib/air vent, and shut-off valves that accept optional actuators.

Two metal mounting brackets are included.

PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUB75200](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
75202	2 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 611.06
75203	3 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 704.17
75204	4 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 798.28
75205	5 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 893.12
75206	6 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 983.94
75207	7 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,080.28
75208	8 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,170.24
75209	9 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,265.55
75210	10 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,406.25
75211	11 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,506.79
75212	12 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,612.33



Port Caps for 1-1/4" Stainless Steel Manifolds Stk# 77100

Caps off unused ports on the 1-1/4" Stainless Steel Manifold (75100, 75200, 76100, and 76200 series). Includes fiber gasket.

For complete specifications, see submittal [SUB77100](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
77100	Port Cap for 1-1/4" SS Manifold	1	10	pair	\$ 24.38



PEX Compression Connecters for 1-1/4" Stainless Steel Manifolds 77100 Series

Solid brass fitting attaches to the end of the PEX tubing and allows for easy installation onto the bottom of the 1-1/4" SS manifold (75100, 75200, 76100, and 76200 series). Comes with o-ring.

For complete specifications, see submittal [SUB77100](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
77105	1/2" PEX to 1-1/4" SS Manifold Connector	1	10	pair	\$ 27.14
77119	3/8" PEX to 1-1/4" SS Manifold Connector	1	10	pair	\$ 29.14
77122	1/4" PEX to 1-1/4" SS Manifold Connector	1	10	pair	\$ 81.35



PEX F1960 Connecters for 1-1/4" Stainless Steel Manifolds EX77300 Series

Solid brass fitting is installed into the bottom of the manifold (75100, 75200, 76100, and 76200 series) and is held in place by the nut. The tubing and ring is then expanded and placed over the F1960 insert. Comes with o-ring. PEX-a expansion rings sold separately ([page 31](#)). *Not for potable water use.*

For complete specifications, see submittal [SUBEX77300](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX77305	1/2" PEX F1960 to 1-1/4" SS Manifold Connector	1	10	pair	\$ 35.99
EX77319	3/8" PEX F1960 to 1-1/4" SS Manifold Connector	1	10	pair	\$ 37.16
EX77322	1/4" PEX F1960 to 1-1/4" SS Manifold Connector	1	10	pair	\$ 38.45



Side Mount Automatic Air Vent Kit for 1-1/4" SS Manifold Stk# 76944

Used to add automatic air vents to 1-1/4" stainless steel manifolds (75100 and 75200 series) without taking up a loop. Each kit contains a pair of side mount tees, automatic air vents, and hose bibs.

For complete specifications, see submittal [SUB76944](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76944	Side Mount Automatic Air Vent Kit for 1-1/4" SS Manifold	1	10	ea.	\$ 181.70



Pressure Bypass Kit for 1-1/4" SS Manifold Stk# 76945

This differential bypass kit for the 1-1/4" SS manifold (75100 and 75200 series) reduces overpressure in the supply manifold by an automatic check valve that opens and directs some flow to the return manifold. This kit can be installed on either side of the manifold.

For complete specifications, see submittal [SUB76945](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76945	Pressure Bypass Kit for 1-1/4" SS Manifold	1	5	ea.	\$ 195.58



Coupling Kit for 1-1/4" SS Manifold Stk# 76946

Used to couple together 1-1/4" stainless steel manifolds (75100 and 75200 series). Each kit contains a pair of couplings.

For complete specifications, see submittal [SUB76946](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76946	Coupling Kit for 1-1/4" SS Manifold	1		ea.	\$ 82.11



Elbow Kit for 1-1/4" SS Manifold Stk# 76947

Used to insert a 90 degree turn between the ball valve and manifold body of 1-1/4" stainless steel manifolds (75100 and 75200 series). Each kit contains a pair of elbows and gaskets.

For complete specifications, see submittal [SUB76947](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76947	Elbow Kit for 1-1/4" SS Manifold	1	10	ea.	\$ 147.13



Insulation Kits for 1-1/4" SS Manifold Stk# 76948 and 76949

These pre-formed insulating shells are used to resist heat loss or gain by the distribution manifolds (75100 and 75200 series).

For complete specifications, see submittal [SUB76948](#) and [SUB76949](#).

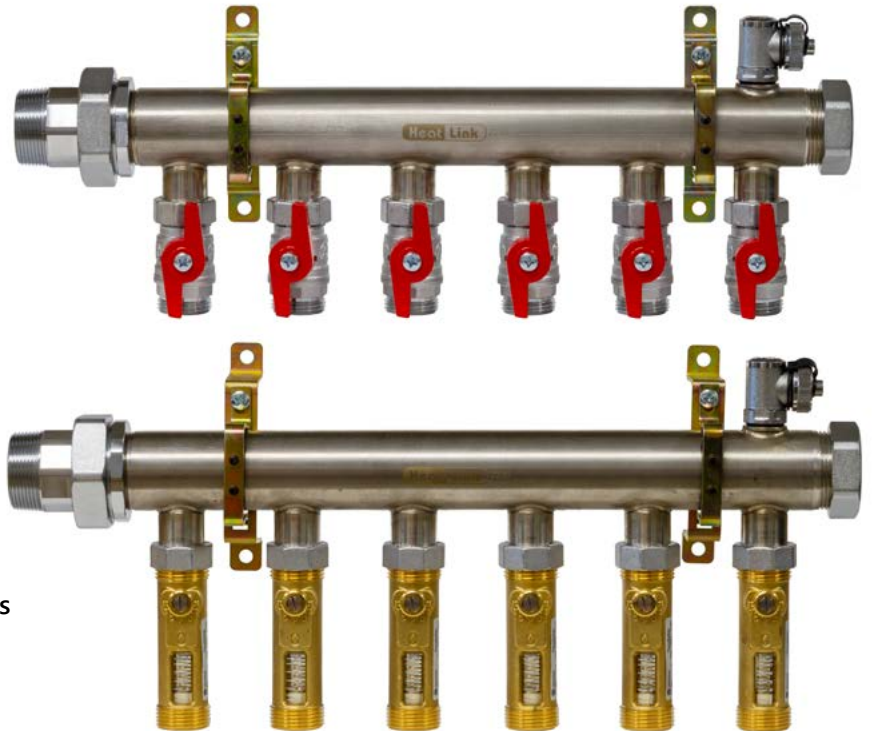
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76948	Insulation Kit for 1-1/4" SS Manifold, 12 Ports	1	10	ea.	\$ 110.63
76949	Insulation Kit for 1-1/4" SS Manifold Ball Valve	1	10	ea.	\$ 35.89

Features:

- Preassembled configurations from 6 to 12 loops
- Ball valve isolation for each supply loop.
- 0-8 US gpm (0-30 L/min) flow meters for each return loop.
- 1-1/2" MNPT union open end adapters.
- Maximum trunk flow rate: 50 US gpm (11.4 m³/h).
- Branch pair Cv = 5.5 (Kv = 4.8).

Typical Applications:

- Large commercial.
- Snow melting.
- Distribution header.



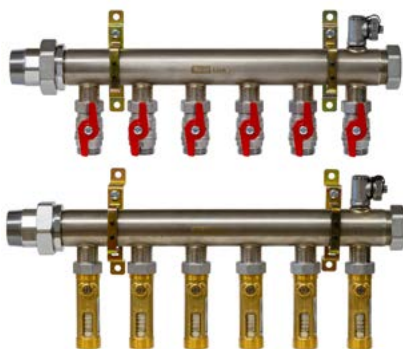
PEX compression connectors

- 5/8" and 3/4" PEX sizes
- sold in pairs



PEX F1960 connectors

- 5/8", 3/4", and 1" PEX sizes
- sold in pairs
- PEX-a expansion rings sold separately



1-1/2" Stainless Steel Manifolds 76700 Series

Stainless steel manifold with high flow characteristics for use as a distribution header or snow melt manifold. Comes with two open end manifold unions with gaskets and o-rings, two closed end caps with gaskets, two 1-1/2" manifold bodies, 3/4" full port ball valve with gasket for each supply branch, 0-8 US gpm (0-30 L/min) flow meter with gasket for each return branch, two hose bib/air vents, and two low and two high metal mounting brackets.

PEX connectors and port caps sold separately.

For complete specifications, see submittal [SUB76700](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76706	6 Loop 1-1/2" SS Manifold with Flow Meters	1		ea.	\$ 3,107.25
76708	8 Loop 1-1/2" SS Manifold with Flow Meters	1		ea.	\$ 3,687.02
76710	10 Loop 1-1/2" SS Manifold with Flow Meters	1		ea.	\$ 4,016.97
76712	12 Loop 1-1/2" SS Manifold with Flow Meters	1		ea.	\$ 4,558.15



PEX Compression Connectors for 1-1/2" Stainless Steel Manifolds 77500 Series

Solid brass fitting attaches to the end of the PEX tubing and allows for easy installation onto the bottom of the 1-1/2" SS manifold (76700 series). Comes with o-ring.

For complete specifications, see submittal [SUB77500](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
77519	5/8" PEX to 1-1/2" SS Manifold Connector	1	10	pair	\$ 62.03
77522	3/4" PEX to 1-1/2" SS Manifold Connector	1	10	pair	\$ 63.12



PEX F1960 Connectors for 1-1/2" Stainless Steel Manifolds EX77400 Series

Solid brass fitting is installed into the bottom of the 1-1/2" SS manifold (76700 series) and is held in place by the nut. The tubing and ring is then expanded and placed over the F1960 insert. Comes with o-ring. PEX-a expansion rings sold separately ([page 31](#)). *Not for potable water use.*

For complete specifications, see submittal [SUBEX77400](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX77419	5/8" PEX F1960 to 1-1/2" SS Manifold Connector	1	10	pair	\$ 56.20
EX77422	3/4" PEX F1960 to 1-1/2" SS Manifold Connector	1	10	pair	\$ 56.52
EX77428	1" PEX F1960 to 1-1/2" SS Manifold Connector	1	10	pair	\$ 64.43



Coupling Kit for 1-1/2" SS Manifold Stk# 76964

Used to couple together 1-1/2" stainless steel manifolds (76700 series). Each kit contains a pair of three brass pieces with a rubber flat gasket. Loctite 55 pipe sealing cord is recommended for thread sealing (not included).

For complete specifications, see submittal [SUB76964](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76964	Coupling Kit for 1-1/2" SS Manifold	1		ea.	\$ 323.92


Loctite 55
Stk# 76601

Loctite 55 pipe sealing cord recommended for sealing threads on 1-1/2" SS Manifold Couplings. 5,700 inches (145m) for 60 applications (2" pipe).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76601	Loctite 55	1		ea.	\$ 151.02


1" Cap and Washer for 1-1/2" Stainless Steel Manifold
Stk# 76675

Cap to seal 1-1/2" SS manifold (76700 series) outlet.

For complete specifications, see submittal [SUB76675](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76675	1" Cap and Washer for 1-1/2" and 2" SS Manifold	1		pair	\$ 55.39


Metal Automatic Air Vent
Stk# 79932

Add an automatic air vent to the 1-1/2" SS manifold (76700 series) by replacing a hose bib. Comes with o-ring.

For complete specifications, see submittal [SUB79932](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79932	Metal Automatic Air Vent	1		ea.	\$ 89.46


PEX-a Expansion Rings with Stop
EX24200 Series

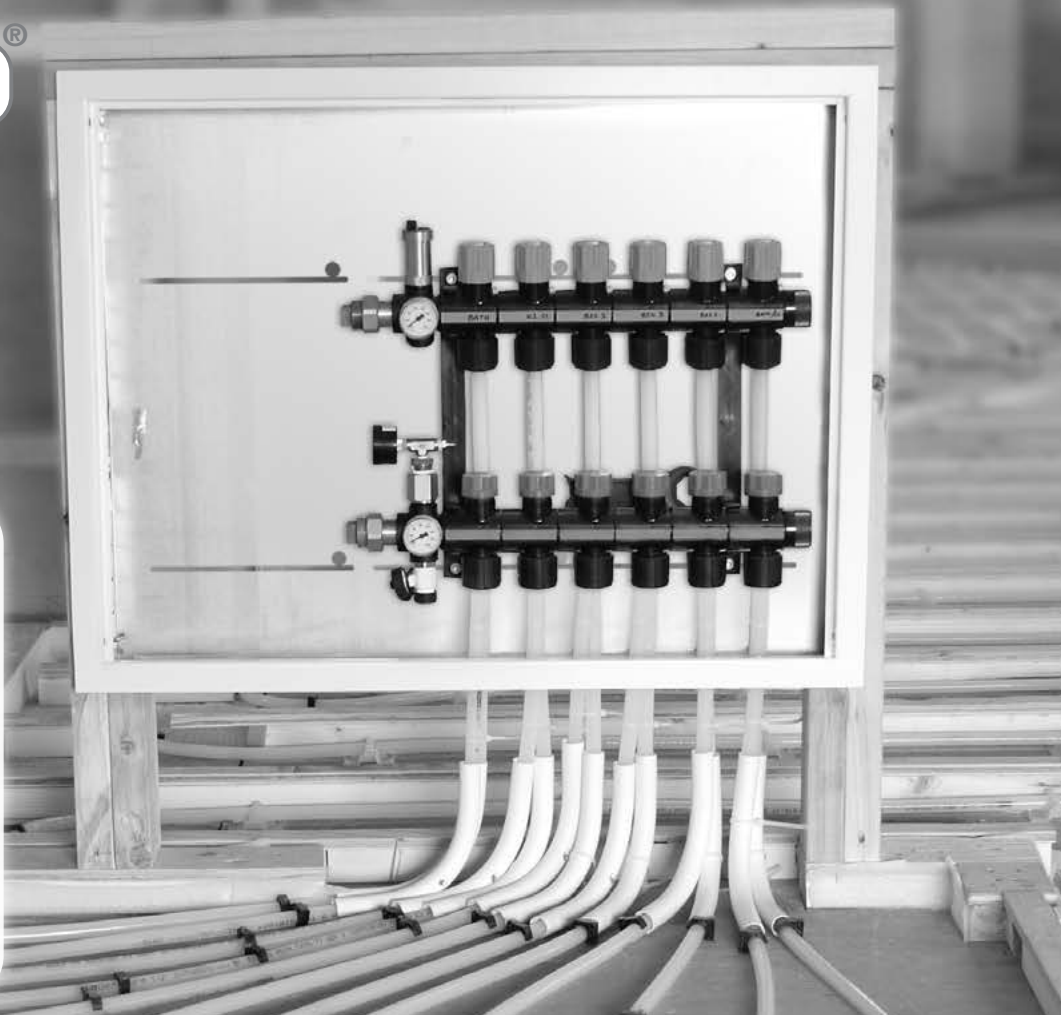
PEX-a expansion rings with 360 degree stop collar for use with PEX F1960 fittings and manifold connectors.

For complete specifications, see submittal [SUBEX24200](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX24205	1/2" PEX F1960 Expansion Ring	100	1000	ea.	\$ 0.501
EX24219	5/8" PEX F1960 Expansion Ring	50	750	ea.	\$ 0.84
EX24222	3/4" PEX F1960 Expansion Ring	50	500	ea.	\$ 0.987
EX24228	1" PEX F1960 Expansion Ring	50	250	ea.	\$ 2.071



Manifold Housings



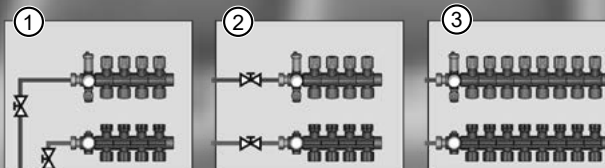
Features & Benefits

- ☑ allows easy access to manifold
- ☑ visible parts made of satin coated steel and are ready to paint without priming
- ☑ cover enables a structural flush seal
- ☑ locking, removable (lift off) door
- ☑ stylish ventilation apertures to prevent build up of heat and formation of condensation
- ☑ openings for mains piping on left & right sides (recessed only)

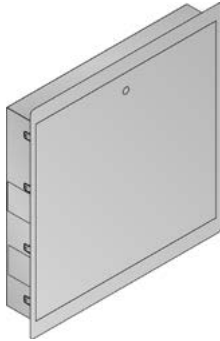
Stk. #	Width	Height	Depth	Max # of Loops with Manifold Assembly Kit #:		Max # of 1-1/4" SS Manifold Loops	Max # of 1-1/2" SS Manifold Loops			
				79400*	79200					
Surface Mount				①	①	①	①			
72434	34-1/2" (876 mm)	28-1/2" (724 mm)	5-7/8" (149 mm)	8	8	9	7			
72442	42-1/2" (1080 mm)	28-1/2" (724 mm)	5-7/8" (149 mm)	12	12	12	10			
72446	46-1/2" (1180 mm)	28-1/2" (724 mm)	5-7/8" (149 mm)	-	-	-	11			
72469	69" (1753 mm)	28-1/2" (724 mm)	5-7/8" (149 mm)	-	-	-	18			
72481	85" (2160 mm)	28-1/2" (724 mm)	5-7/8" (149 mm)	-	-	-	24			
72493	93" (2360 mm)	28-1/2" (724 mm)	5-7/8" (149 mm)	-	-	-	-			
Recessed				① ②	③	① ②	③	① ②	③	
71724	24" (610 mm)	23" (584 mm)	3-7/8" (98 mm)	4	7	4	8	3	7	-
71730	30-1/4" (768 mm)	23" (584 mm)	3-7/8" (98 mm)	6	9	7	10	6	10	-
71743	43-1/2" (1105 mm)	23" (584 mm)	3-7/8" (98 mm)	11	12	12	12	12	12	-

Installation Methods:

- ① Allowance for 90° mains piping.
- ② Allowance for straight isolation valves.
- ③ Manifolds only, no piping allowances.



* Thermometers must be removed in recessed housing.



Manifold Housing: Recessed 71700 Series

Allows easy access to the manifold through its locking, removable door.

Satin coated steel is well suited for painting. Openings for mains piping on left and right sides. Depth allows for mounting a manifold in a 2x4 wall. Space is available for mounting a StatLink® module above the manifold.

71700 series housings are not compatible with 1-1/2" (76700 series) Stainless Steel Manifolds.

For complete specifications, see submittal [SUB71700](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
71724	Recessed Manifold Housing 24"x23"x3-7/8"	1		ea.	\$ 644.82
71730	Recessed Manifold Housing 30"x23"x3-7/8"	1		ea.	\$ 712.19
71743	Recessed Manifold Housing 43-1/2"x23"x3-7/8"	1		ea.	\$ 830.06



Manifold Housing: Recessed 72500 Series

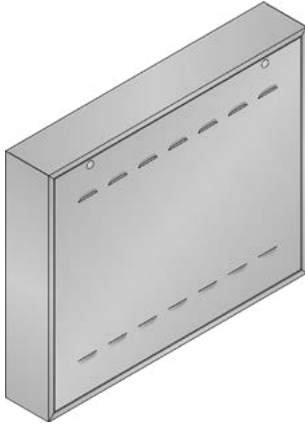
Allows easy access to the manifold through its locking, removable door.

Satin coated steel is well suited for painting. Openings for mains piping on left and right sides. Depth allows for mounting a manifold in a 2x6 wall. Space is available for mounting a StatLink® module above the manifold.

72500 series housings are compatible with 1-1/2" (76700 series) Stainless Steel Manifolds.

For complete specifications, see submittal [SUB72500](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
72534	Recessed Manifold Housing 34-1/2"x28-1/2"x5-7/8"	1		ea.	\$ 1,475.70
72542	Recessed Manifold Housing 42-1/2"x28-1/2"x5-7/8"	1		ea.	\$ 1,530.40
72546	Recessed Manifold Housing 46-1/2"x28-1/2"x5-7/8"	1		ea.	\$ 1,627.76



Manifold Housing: Surface Mount
72400 Series

Allows easy access to the manifold through its locking, removable door.

Features: made of satin coated steel, surfaces ready to paint without priming, and stylish ventilation apertures to prevent build up of heat and formation of condensation. Skirting by others.

72400 series housings are compatible with 1-1/2" (76700 series) Stainless Steel Manifolds

For complete specifications, see submittal [SUB72400](#).

Special Order*
Special Order*
Special Order*

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
72434	Surface Mounted Manifold Housing 34-1/2"×28-1/2"×5-7/8"	1		ea.	\$ 978.70
72442	Surface Mounted Manifold Housing 42-1/2"×28-1/2"×5-7/8"	1		ea.	\$ 1,151.97
72446	Surface Mounted Manifold Housing 46-1/2"×28-1/2"×5-7/8"	1		ea.	\$ 1,292.32
72469	Surface Mounted Manifold Housing 69"×28-1/2"×5-7/8"	1		ea.	\$ 2,011.01
72481	Surface Mounted Manifold Housing 85"×28-1/2"×5-7/8"	1		ea.	\$ 2,370.09
72493	Surface Mounted Manifold Housing 93"×28-1/2"×5-7/8"	1		ea.	\$ 2,661.74

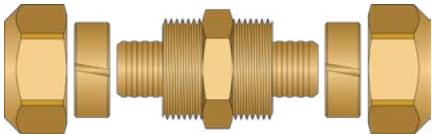


Key Lock for Manifold Housing Door
Stk# 71901

Key lock with offset lever that can field replace the standard coin/screwdriver lock of manifold housings (72400 or 72500 Series).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
71901	Key Lock for Manifold Housing Door	1		ea.	\$ 39.14

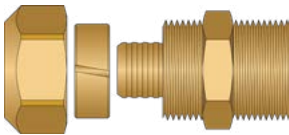
* Lead time may vary. Call to confirm time line.



PEX Tubing Compression Couplings 69000 Series

Solid brass fittings couples PEX tubing to PEX tubing.
For complete specifications, see submittal [SUB69000](#).

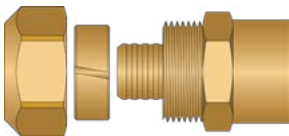
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
69005	1/2" x 1/2" PEX Comp. Coupling	1	25	ea.	\$ 47.70
69019	5/8" x 5/8" PEX Comp. Coupling	1	25	ea.	\$ 47.49
69022	3/4" x 3/4" PEX Comp. Coupling	1	25	ea.	\$ 67.49



PEX Compression to MNPT Adapters 68000 Series

Solid brass fittings adapts PEX tubing to male NPT thread.
Note: When used with PEX tubing there is a risk of thermal expansion / contraction due to temperature fluctuation. It is recommended that a swing joint or expansion loop is installed at the high temp (supply) end of the tubing.
For complete specifications, see submittal [SUB68000](#).

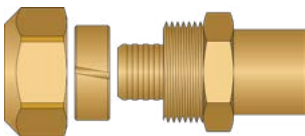
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
68019	5/8" PEX Comp. x 3/4" MNPT Adapter	1	25	ea.	\$ 28.72



PEX Compression to Female Sweat Adapters 67100 Series

Solid brass fittings adapts PEX tubing to female copper pipe.
For complete specifications, see submittal [SUB67000S](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
67119	5/8" PEX Comp. x 3/4" F/Sweat Adapter	1	25	ea.	\$ 30.89

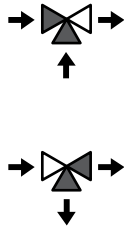


PEX Compression to Male Sweat Adapters 67000 Series

Solid brass fittings adapts PEX tubing to male copper pipe.
For complete specifications, see submittal [SUB67000S](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
67019	5/8" PEX Comp. x 3/4" M/Sweat Adapter	1	25	ea.	\$ 30.33

Note: For 1/2", 3/4", 1", 1-1/4", and 1-1/2" PEX, "Press System" or "Expansion System" fittings can be used, see the appropriate section.



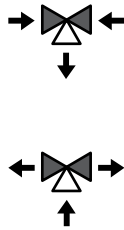
Compact 3-Way Mixing Valves 63700V Series

Three-way mixing valve for fluid temperature control in heating and cooling systems, and can be used in diverting or mixing applications. Bronze valve body with brass nipples, protective cap, and stainless spindle with double O-ring seal. Threads are compatible with actuators (#56201, #56231, #56121; [page 70](#)) and thermostatic heads (#57094; [page 65](#)).

3/4" Cv = 5.1 (Kv = 4.4)
1" Cv = 6.6 (Kv = 5.7)

For complete specifications, see submittal [SUB63700V](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	63720V	3/4" Compact 3-Way Mixing Valve	1		ea.	\$ 512.62
WSL	63725V	1" Compact 3-Way Mixing Valve	1		ea.	\$ 656.47



Compact 3-Way Mixing Valves 63700VB Series

Three-way mixing valve for fluid temperature control in heating and cooling systems, and can be used in diverting or mixing applications. Bronze valve body with brass nipples, protective cap, and stainless spindle with double O-ring seal. Threads are compatible with actuators (#56201, #56231, #56121; [page 70](#)) and thermostatic head (#57094; [page 65](#)).

3/4" Cv = 4.97 (Kv = 4.3)
1" Cv = 6.13 (Kv = 5.3)

For complete specifications, see submittal [SUB63700VB](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
Call for Avail.	63720VB	3/4" Compact 3-Way Mixing Valve	1		ea.	\$ 593.99
Call for Avail.	63725VB	1" Compact 3-Way Mixing Valve	1		ea.	\$ 791.40

Straight Zone / Injection / Radiator Valves 62000V Series



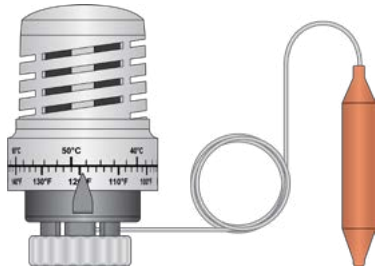
Provides on/off or modulated flow control for baseboard, fan coils, manifolds, injection controls, or miscellaneous supplemental heating units (e.g. towel warmers).

Threads are compatible with actuators (#56201, #56231, #56121; [page 70](#)), wireless actuator (#56401; [page 74](#)), and thermostatic head (#57094; [page 65](#)).

#62016V – 1/2" Cv = 2.1 (Kv = 1.8)
#62020V – 3/4" Cv = 3.2 (Kv = 2.8)
#62025V – 1" Cv = 4.1 (Kv = 3.5)

For complete specifications, see submittal [SUB62000V](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	62016V	Straight Zone Valve 1/2" NPT	1		ea.	\$ 116.77
	62020V	Straight Zone Valve 3/4" NPT	1		ea.	\$ 150.56
	62025V	Straight Zone Valve 1" NPT	1		ea.	\$ 188.77



Thermostatic Head c/w Capillary
Stk# 57094

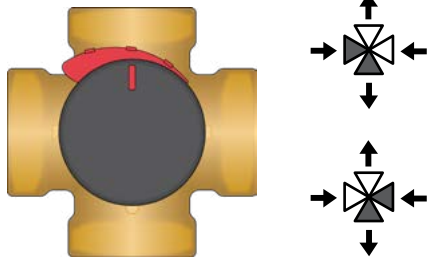
Thermostatic actuator with remote copper sensor used as a setpoint (injection) control for HeatLink® zone/injection valves. Operation is based on a sensitive element seated under the housing and connected to the remote sensor via a liquid-filled capillary. The setpoint is set by rotating the adjustment knob. The actuator adjusts the flow through the valve on which it is mounted, based on the difference between the sensor temperature and setpoint.

Temperature adjustment range: 68-158°F (20-70°C). The temperature adjustment range can be limited using stop clips.

For complete specifications, see submittal [SUB57094](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
57094	Thermostatic Head c/w Capillary (68°F-158°F)	1	5	ea.	\$ 381.80

4-Way FNPT Mixing Valves 64000 Series



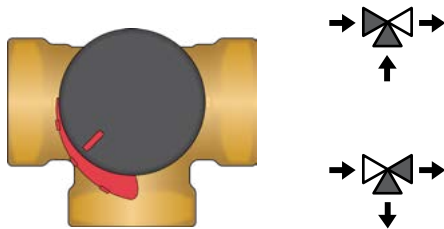
This unit mixes high temperature boiler water with heating return water to create a supply water temperature. It has the option of manual operation, or it can be fitted with a Mixing Valve Motor for 1" to 2" FNPT Valves 3-Point Floating (#58131) or Mixing Valve Motor for 1" to 2" FNPT Valves DDC (#58132) for fully automatic operation.

- 1" Cv = 11.7 (Kvs = 10)
- 1-1/4" Cv = 18.7 (Kvs = 16)
- 1-1/2" Cv = 29.3 (Kvs = 25)
- 2" Cv = 46.8 (Kvs = 40)

For complete specifications, see submittal [SUB64001](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
64026	1" × 4-Way FNPT Mixing Valve	1		ea.	\$ 556.10
64031	1-1/4" × 4-Way FNPT Mixing Valve	1		ea.	\$ 559.06
64041	1-1/2" × 4-Way FNPT Mixing Valve	1		ea.	\$ 894.68
64051	2" × 4-Way FNPT Mixing Valve	1		ea.	\$ 1,122.07

3-Way FNPT Mixing / Diverting Valves 63500 Series



This unit mixes high temperature boiler water with heating return water to create a supply water temperature. It has the option of manual operation, or it can be fitted with a Mixing Valve Motor for 1" to 2" FNPT Valves 3-Point Floating (#58131) or Mixing Valve Motor for 1" to 2" FNPT Valves DDC (#58132) for fully automatic operation.

- 3/4" Cv = 4.7 or 7.3 (Kvs =)
- 1" Cv = 11.7 (Kvs = 10)
- 1-1/4" Cv = 18.7 (Kvs = 16)
- 1-1/2" Cv = 29.3 (Kvs = 25)
- 2" Cv = 46.8 (Kvs = 40)

For complete specifications, see submittal [SUB63501](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
63022	3/4" × 3-Way FNPT Mixing / Diverting Valve, Cv 4.7	1		ea.	\$ 475.40
63023	3/4" × 3-Way FNPT Mixing / Diverting Valve, Cv 7.3	1		ea.	\$ 475.40
63026	1" × 3-Way FNPT Mixing / Diverting Valve	1		ea.	\$ 518.01
63539	1-1/4" × 3-Way FNPT Mixing / Diverting Valve	1		ea.	\$ 591.06
63541	1-1/2" × 3-Way FNPT Mixing / Diverting Valve	1		ea.	\$ 868.25
63551	2" × 3-Way FNPT Mixing / Diverting Valve	1		ea.	\$ 1,035.24



Mixing Valve Motors for ¾" to 2" Rotary NPT Valves
Stk# 58131 & 58132

Used to automatically operate the 4-way or 3-way mixing valve. For use with 4-way FNPT mixing valves (#64026, #64031, #64041, #64051) and 3-way FNPT mixing / diverting valves (#63022, #63023, #63026, #63539, #63541, #63551).

#58131 motor is floating 3-point action mixing valve motor.
 24 Vac 50/60 Hz 2 VA

#58132 motor is DDC mixing valve motor.
 24 Vac/dc 50/60 Hz 4 VA

For complete specifications, see submittal [SUB58131](#) or [SUB58132](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
58131	Mixing Valve Motor for ¾" to 2" FNPT Valves 3-Point Floating	1		ea.	\$ 865.53
58132	Mixing Valve Motor for ¾" to 2" FNPT Valves DDC	1		ea.	\$ 1,176.92



Mixing Valve Motors for 2" to 4" Flange Mixing Valves
Stk# 58200 & 58300

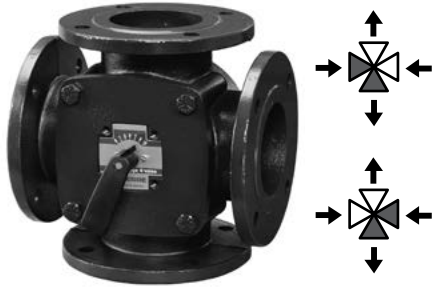
Used to automatically operate the 4-way flange mixing valve. For use with flanged 2" to 4" mixing valves (#64164, #64166, #64181, #65000).

#58200 motor is floating 3-point action mixing valve motor.
 24 Vac 50/60 Hz 2 VA

#58300 motor is DDC mixing valve motor.
 24 Vac/dc 50/60 Hz 5 VA

For complete specifications, see submittal [SUB58200](#) or [SUB58300](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
58200	Mixing Valve Motor for 2" to 4" Flange Mixing Valves 3-Point Floating	1		ea.	\$ 1,493.48
58300	Mixing Valve Motor for 2" to 4" Flange Mixing Valves DDC	1		ea.	\$ 2,667.10



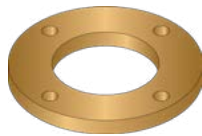
4-Way Flange Mixing Valves 64100 Series

This unit mixes high temperature boiler water with heating return water to create a supply water temperature. It has the option of manual operation, or it can be fitted with a Mixing Valve Motor for 2" to 4" Flange Valves 3-Point Floating (#58200) or Mixing Valve Motor for 2" to 4" Flange Valves DDC (#58300) for fully automatic operation. Flanges are DIN compatible.

- 2" Cv = 69.4 (Kvs = 60)
- 2-½" Cv = 104.0 (Kvs = 90)
- 3" Cv = 173.4 (Kvs = 150)
- 4" Cv = 260.1 (Kvs = 225)

For complete specifications, see submittal [SUB64101](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
64164	2" × 4-Way Flange Mixing Valve	1		ea.	\$ 2,105.69
65000	4" × 4-Way Flange Mixing Valve	1		ea.	\$ 4,280.48

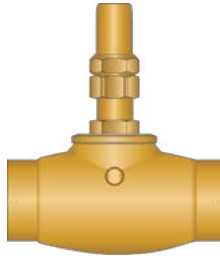


DIN Flanges and Gaskets for 4-Way Flange Mixing Valves 64100F & 64100G Series

Four flanges and four gaskets are required for each 4-way flange mixing valve.

For complete specifications, see submittal [SUB64100F](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
64164F	2" DIN Flange	1		ea.	\$ 91.44
65000F	4" DIN Flange	1		ea.	\$ 210.95
64164G	2" Gasket for DIN Flange	1		ea.	\$ 28.57
65000G	4" Gasket for DIN Flange	1		ea.	\$ 78.92



Straight Balancing Valve 1" Female Sweat
Stk# 62325

Flow balancing valve for use in injection systems and with the side stream filter.

For complete specifications, see submittal [SUB62325](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
62325	Straight Balancing Valve 1" F/Sweat	1	24	ea.	\$ 196.84



Pressure Activated Bypass Valves
60000V Series

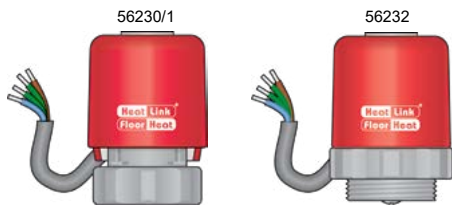
This valve prevents a steep rise of the pump head and maintains flow at a stable rate. Also ensures only required amount of circulating water is used for hydronic systems. The valves can be adjusted to any point between 2 and 17 ft H₂O (50 and 500 mbar).

Flow ranges:

- ¾" = 0 - 8.7 US gpm (0 - 1976 L/h)
- 1" = 0 - 13.5 US gpm (0 - 3066 L/h)
- 1-¼" = 13.5 - 26.9 US gpm (3066 - 6110 L/h)

For complete specifications, see submittal [SUB60000V](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
60020V	Pressure Activated Bypass Valve ¾"	1		ea.	\$ 254.70
60025V	Pressure Activated Bypass Valve 1"	1		ea.	\$ 331.73
60040V	Pressure Activated Bypass Valve 1-¼"	1		ea.	\$ 438.39

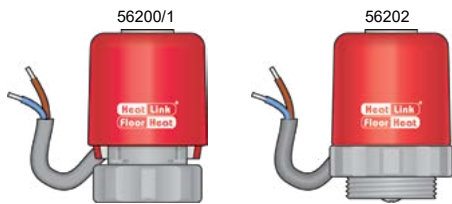


Actuators c/w End Switch 56230 Series

These motors allow for additional room temperature control in conjunction with a room thermostat by mounting on a TwistSeal® supply manifold module (56230), Stainless Steel Manifold (56231), HeatLink® 62000V & 63700V series zone valves (56231), or TwistSeal® Multiport Manifold (56232). Comes complete with end switch to allow pump and/or boiler switching.

For complete specifications, see submittal [SUB56230](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
56230	HeatLink® TwistSeal® Manifold Actuator c/w End Switch	1	100	ea.	\$ 195.91
56231	HeatLink® Valve & SS Manifold Actuator c/w End Switch	1	100	ea.	\$ 175.64
56232	HeatLink® Multiport Manifold Actuator c/w End Switch	1	100	ea.	\$ 199.29



Actuators 56200 Series

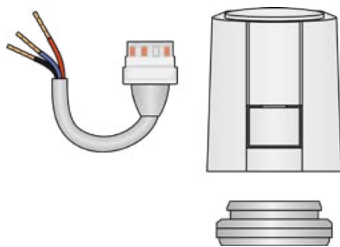
These actuators allow for additional room temperature control in conjunction with a room thermostat by mounting on a TwistSeal® supply manifold module (56200), Stainless Steel Manifold (56201), HeatLink® 62000V & 63700V series zone valves (56201), or TwistSeal® Multiport Manifold (56202). Includes a heat demand LED indicator.

For complete specifications, see submittal [SUB56200](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
56200	HeatLink® TwistSeal® Manifold Actuator with LED	1	100	ea.	\$ 128.93
56201	HeatLink® Valve & SS Manifold Actuator with LED	1	100	ea.	\$ 112.82
56202	HeatLink® Multiport Manifold Actuator with LED	1	100	ea.	\$ 124.84

How to tell the 562x0 and 562x1 actuators apart

Actuator	LED	End Switch	Female Thread	Center Pin	Mounts on
56200	Yes	No	Fine	Yes	TwistSeal® 78200 & 78400
56201	Yes	No	Coarse	No	Valves & SS manifolds
56230	No	Yes	Fine	Yes	TwistSeal® 78200 & 78400
56231	No	Yes	Coarse	No	Valves & SS manifolds



DDC Actuator Stk# 56121

These actuators allow for additional room temperature control when used in conjunction with a direct digital control system by mounting on a Stainless Steel Manifold, or HeatLink® 62000V & 63700V series zone valves.

For complete specifications, see submittal [SUB56121](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
56121	HeatLink® DDC Actuator for Manifolds and Valves	1	100	ea.	\$ 295.28

Heat Link[®] SMART SYSTEM

Products in the HeatLink[®] Smart System line include thermostats, modules, actuators and relays to wirelessly control a heating system. The addition of smart plugs and sensors expand the system into day to day life. It all begins with the heart of the system, the Wireless Internet Gateway. The Gateway coordinates the ZigBee HA wireless protocol that the Smart System devices use to interact, and connects to the building's Internet router to create a secure path to the HeatLink[®] Smart System app. Then the user can quickly add and operate any of the products from the HeatLink[®] Smart System line.

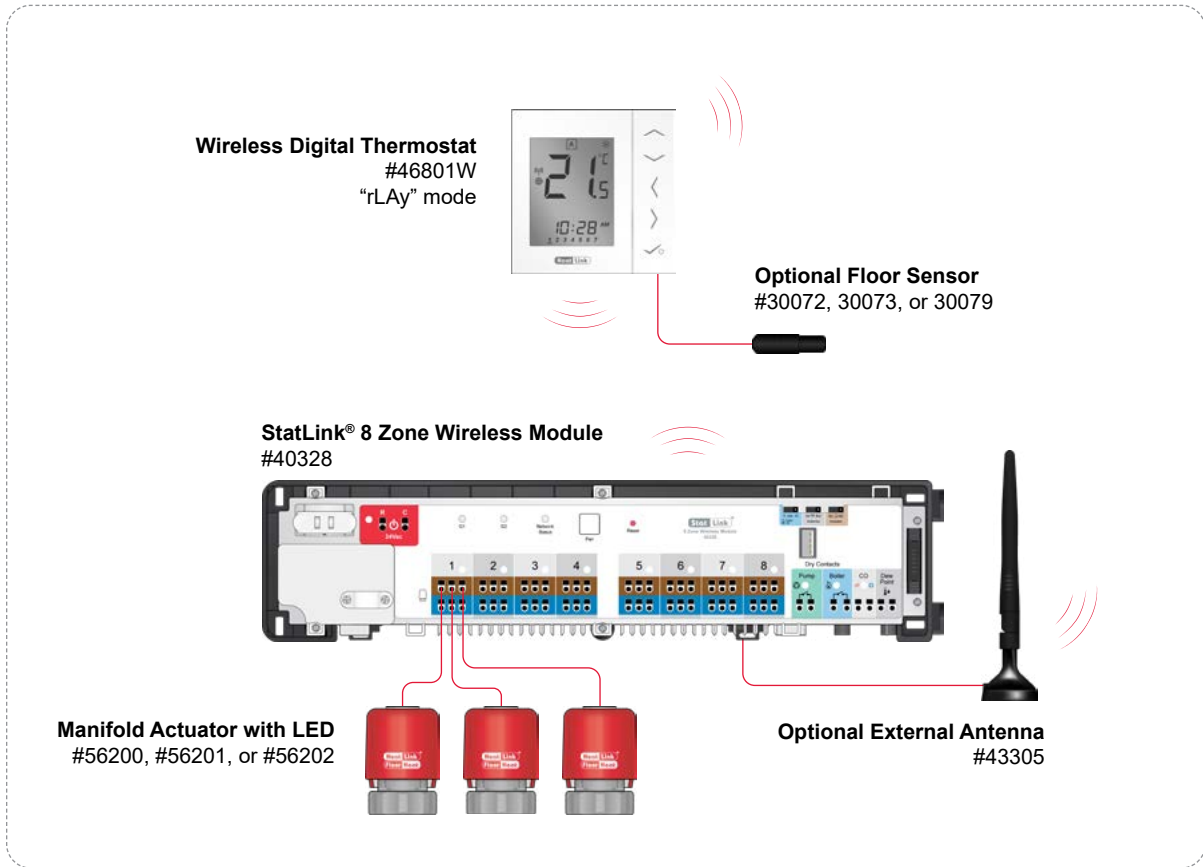


HeatLink[®] Smart System app

Features & Benefits:

- Wireless communication. Save the time and cost of running wires.
- Control your system from anywhere. User friendly Web, Android and iOS apps available.
- The app includes customizable schedules and rules.
- System devices can be added, deleted, or configured quickly and easily using the app.
- Compatibility with other third party devices and Amazon Alexa.
- The system can be setup without internet access (offline). When internet access is available the system can then be app enabled (online).

Radiant floor heating with manifold

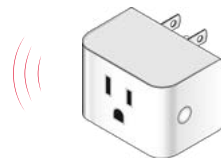
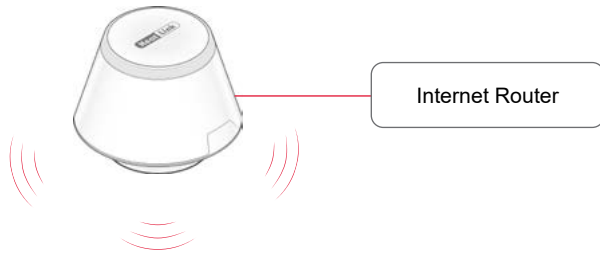


Product Compatibility

Item	Stk#	Gateway - Offline #43301	Gateway - Online #43301
HeatLink [®] Smart System App			•
HeatLink [®] Wireless Digital Thermostat	46801W	•	•
StatLink [®] 8 Zone Wireless Module	40328	•	•
Wireless Valve Actuator	56401	•	•
Wireless Relay	43302	•	•
Wireless Smart Plug / Repeater	43304		•
Water Leak Sensor	43310		•
Inline Shutoff Valve	43311		•

**Wireless Internet Gateway
#43301**

The heart of a HeatLink Smart System.



**Wireless Smart Plug / Repeater
#43304**

Create schedules or rules to automatically turn devices on or off.

Monitor energy consumption.

E.g. towel warmer, hair iron, lamp, space heater, air conditioner, or slow cooker.

**Radiant floor heating with zone valve or
baseboard / radiator heating**



**Wireless Digital Thermostat
#46801W
"rAd" mode**



**Wireless Valve Actuator
#56401
up to 6 per thermostat**

Heating for an individual zone

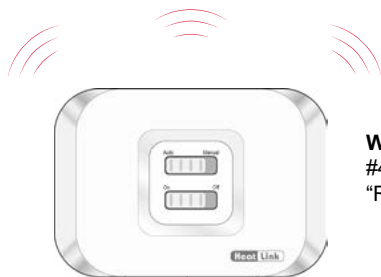


**Wireless Digital Thermostat
#46801W
"rEC2" mode**



**Wireless Relay
#43302
"RX2" mode**

Motorized Valve,
Thermal Actuator, Fan
Coil, or Pump



**Wireless Relay
#43302
"RX1" mode**

Heat Source

Pump



Wireless Internet Gateway
Stk# 43301

The Wireless Internet Gateway is the heart of a HeatLink Smart System. The Gateway coordinates the ZigBee HA wireless protocol that the Smart System devices use to interact, and connects to the building's Internet router to create a secure path to the HeatLink app.

Unlike some connected home systems, the Gateway is the only device that needs to be connected to the Internet, so it is quick to setup and simple to manage and grow the Smart System with more devices as required.

You can connect up to 200 devices to one gateway.

Includes USB power adapter, USB power cable, and ethernet cable.

120 Vac 60 Hz NEMA 1 (Type A) plug.

For complete specifications, see submittal [SUB43301](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
43301	Wireless Internet Gateway	1	16	ea.	\$ 442.85



HeatLink® Wireless Digital Thermostat
Stk# 46801W

The HeatLink Wireless Digital Thermostat delivers an easy to install solution for heating control when connected to a StatLink® wireless module, wireless valve actuator, or wireless relay. Place anywhere capability, not just where the wires can reach.

Features:

- Clear and intuitive LCD display.
- Stylish contemporary design.
- Full local control.
- Wireless installation using ZigBee protocol.
- Pulse width modulation.
- Fully programmable with both temperature and scheduling control.
- Pre-programmed pre-set modes including vacation, party, frost, and manual override.
- Battery operated for quick and trouble-free wireless installation.
- Valve protection function exercises the valve(s) one a week.
- Optional 10K external sensor.

Includes 4× AAA alkaline batteries and mounting screws.

For complete specifications, see submittal [SUB46801](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
46801W	HeatLink® Wireless Digital Thermostat	1	40	ea.	\$ 221.87

StatLink® 8 Zone Wireless Module Stk# 40328

The StatLink Wireless Module for eight-zone radiant floor heating with wireless communication. Zones are controlled by Wireless Digital Thermostats.



Features:

- Can be used with NO or NC thermal actuators.
- Terminals for three actuators per zone.
- Pump dry contact 3 min on/off delay.
- Boiler dry contact 3 min on delay and 0 or 15 min off delay.
- Contacts for heating/cooling changeover, and humidity sensor.
- Plug-in connections.
- LED status indication.
- Strain relief fittings.
- USB plug to provide power to a Co-ordinator
- Optional external antenna.

Includes 13 ¾" (35 cm) DIN rail and mounting screws.

24 Vac 60 Hz

For complete specifications, see submittal [SUB40328](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
40328	StatLink® 8 Zone Wireless Module	1	16	ea.	\$ 637.85

Wireless Valve Actuator Stk# 56401

The Wireless Valve Actuator replaces the traditional wax element TRV actuator with a smart electrical device to open and close a zone or radiator valve.



A Wireless Digital Thermostat controls the operation and is remote from the radiator so it monitors the actual ambient room temperature to ensure optimum heating accuracy.

A single thermostat can control up to six actuators in the same zone to maintain the desired room temperature and increase energy efficiency.

Features & benefits:

- Temperature is monitored by the room thermostat, not the valve, for optimum accuracy, efficiency and comfort.
- Modulates independently to find correct temperature and maintain efficiency using one of three control modes: On/Off, Auto, or Learning.
- Fits most standard zone or radiator valves with supplied adapter.
- Fail safe mode (uses its internal sensor and fixed setpoint of 15°C to control the temperature when signal is lost, or opens 25% when battery is low).
- Frost protection (if the valve has been manually closed, the thermostat will automatically maintain the frost protection setpoint)
- Valve protection (will exercise a few seconds after 14 days of inactivity).
- Manual override function.

Includes 2× AA alkaline batteries and RA valve adapter.

Compatible with 620xxV and 622xx series zone/radiator valves.

Not compatible with TwistSeal or stainless steel manifolds.

For complete specifications, see submittal [SUB56401](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
56401	Wireless Valve Actuator	1	40	ea.	\$ 288.24



Wireless Relay Stk# 43302

The Wireless Relay receives wireless signals to switch on or off a 24 Vac contact. It has an internal switch to select one of two modes:

RX1 mode - The unit is wired to a boiler or heat source to switch it on or off using the signals it receives from Wireless Modules, Wireless Digital Thermostats used with Wireless Valve Actuators, as well as a Wireless Relay in RX2 mode.

RX2 mode - Switching of the unit will be controlled by a paired Wireless Digital Thermostat to activate a pump or zone valve.

Only one unit in RX1 mode and one unit in RX2 mode can be used as part of a system.

Features & benefits:

- Manual override function.
- NO contact output, max 24 Vac, 16(5)A

24 Vac 60 Hz.

Includes mounting screws.

For complete specifications, see submittal [SUB43302](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
43302	Wireless Relay	1	20	ea.	\$ 216.12



Wireless Smart Plug / Repeater Stk# 43304

The Wireless Smart Plug / Repeater is small, yet powerful enough to provide simple on/off power control of devices using up to 15 A.

Its small size not only keeps the other outlet of a standard duplex receptacle clear, it also allows the use of a second Smart Plug.

Works with the Smart System App to allow smartphones, tablets, or PCs to turn on and off devices from anywhere. Create schedules or OneTouch™ rules to automatically turn devices on or off.

Features:

- Energy consumption measurement.
- Up to 15 Amp resistive load switching.
- Protocol repeater to extend the wireless network.

For complete specifications, see submittal [SUB43304](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
43304	Wireless Smart Plug / Repeater	1	48	ea.	\$ 186.87

Door/Window Sensor

Stk# 43303



The Door / Window Sensor is a simple device that connects wirelessly with the Gateway as part of the Smart System.

The sensor sits across both sides of the opening of a door or window and when the contact is closed or opened, a signal is sent wirelessly to the Gateway. User programmed rules easily created in the Smart System app then define what should be done in response and the Gateway wirelessly controls the appropriate device.

By detecting when doors and windows have been opened or closed, smart rules can be triggered to control other devices to save energy, improve efficiency, or convenience.

Features & benefits:

- Monitor door/window access from anywhere using a Smartphone, Tablet, or PC via the app.
- Optimize heating/cooling efficiency by controlling your thermostats to react when doors or windows are opened.
- Program your system to remind you if doors or windows are left open when you leave the home.
- Anti-tamper switch will notify you of tampering.

Includes 1 × CR3032 3V Lithium battery and mounting kit.

For complete specifications, see submittal [SUB43303](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	43303	Door/Window Sensor	1	60	ea.	\$ 140.71

External Antenna

Stk# 43305



The External Antenna improves the performance of the StatLink® 8 Zone Wireless Module to either overcome radio shadows or extend the range.

Features & benefits:

- Minimize cost of additional repeaters and shorten installation time
- Quick and easy to install
- Magnetic mount.

Cable length: 39" (1 m)

For complete specifications, see submittal [SUB43305](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	43305	External Antenna	1	100	ea.	\$ 106.88

Water Leak Sensor Stk# 43310



The Water Leak Sensor detects the presence of water on a surface or across remote leads. This sensor may be used on horizontal surfaces with low overhead clearance, narrow vertical spaces with the wall mounting bracket (shown), or in difficult locations using the remote leads (not shown). The Water Leak Sensor connects wirelessly with a Gateway.

Features and benefits:

- When used in conjunction with a Inline Shutoff Valve, costly water damage can be avoided by shutting off the water supply.
- Automated leak detection.
- Monitoring from anywhere using a Smartphone, Tablet, or PC via the app.
- Easy to install.
- Waterproof.
- Battery Operated.

Includes 1× CR2 3V Lithium battery, wall mounting bracket, mounting kit, and 78" (2 m) remote leads.

For complete specifications, see submittal [SUB43310](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
43310	Water Leak Sensor	1		ea.	\$ 129.90

Inline Shutoff Valve Stk# 43311



The Inline Shutoff Valve controls water supply as part of a HeatLink Smart System. This inline valve can communicate with one or more Water Leak Sensors to automatically shut off the water supply in the event of a water leak. The Inline Shutoff Valve connects wirelessly with a Gateway.

Features and benefits:

- When used in conjunction with one or more Water Leak Sensors, costly water damage can be avoided by shutting off the water supply.
- Automated water flow control.
- Monitoring from anywhere using a Smartphone, Tablet, or PC via the app.
- No Lead Brass valve.
- ¾" NPT female pipe connections.
- LED status indicator.
- 120 Vac – 60 Hz.
- Local manual override.

Includes AC adapter and cable clips.

For complete specifications, see submittal [SUB43311](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
43311	Inline Shutoff Valve	1		ea.	\$ 522.80

Co-ordinator Stk# 43306



The Co-ordinator is a simple USB powered device that coordinates Smart System devices across the Zigbee network.

It's a cost effective alternative to a Wireless Internet Gateway for systems *where remote monitoring and control are not required.*

The Co-ordinator can handle up to 30 Wireless Thermostats to coordinate up to 90 Wireless Valve Actuators or up to nine (9) StatLink® 8 Zone Wireless Modules.

When more than 32 battery powered devices are used, #43307 Repeaters may be required depending on which Smart System AC powered devices are on the network (#40328 or #43302). Each AC powered device increases the system capacity for battery operated devices by 32.

Includes USB AC adapter.

Note: Not compatible with the HeatLink Smart System app.

For complete specifications, see submittal [SUB43306](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	43306	Co-ordinator	1	60	ea.	\$ 157.88

Repeater Stk# 43307



The Repeater can be used to boost the signal or extend the network when required, for example, areas with numerous concrete obstructions or for extended distances between devices.

When more than 32 battery powered devices are used, additional Repeaters may be required depending on which Smart System AC powered devices are on the network.

Features & Benefits

- Extends the range of network in areas with obstructions or between extended distances.
- Increases the capacity of battery powered devices on the ZigBee network by 32.

Includes USB AC adapter.

For complete specifications, see submittal [SUB43307](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	43307	Repeater	1	60	ea.	\$ 192.51

Plug-in Transformers PLINTR Series



24 Vac plug-in transformers for use with panels or low voltage electronics.

For complete specifications, see submittal [SUBPLINTR](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	PLINTR40VA	24Vac 40VA Plug-In Transformer for Panels	1		ea.	\$ 234.12

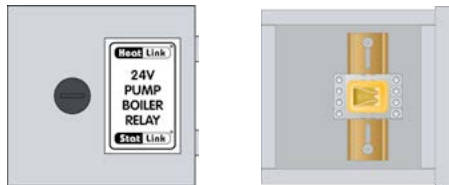


HeatLink® Wired Digital Timer Thermostat Stk# 46645

This HeatLink Wired Digital Timer Thermostat is a stylish and accurate 24V digital display room thermostat. This attractive, modern thermostat has been specifically designed to be used for radiant floor heating applications. With silent switching, Triac technology, pulse width modulation (PWM), a large, easy to read digital display, and fully programmable for time and heat schedules. Optional 10K external sensor.

For complete specifications, see submittal [SUB46645](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
46645	HeatLink® Wired Digital Timer Thermostat	1	40	ea.	\$ 157.81



24Vac DPDT Pump Relay Box Stk# 45112

Electrical enclosure complete with #45012 relay, #45032 socket, and DIN rail.

Contacts:

- 10A resistive, 7.5A inductive @ 110 Vac, ¼ hp.
- 7.5A resistive, 5.0A inductive @ 220 Vac, ⅓ hp.

For complete specifications, see submittal [SUB45112](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
45112	HeatLink® 24Vac DPDT Pump Relay Box	1		ea.	\$ 289.27

Pump Wiring Center 4130 Series

The Pump Wiring Centers allow wired thermostats to control pumps and boilers for hydronic systems while supporting the following functions and features:

- Primary pump control.
- Priority zone support (domestic hot water).
- Purge – Priority pump continues to run for 2 minutes after end of priority call.
- Exercise – pumps turn ON for 30 sec. after 72 hours of inactivity.
- Thermostat grouping.
- ZC/ZR boiler enable support.
- XX and AUX normally open contacts support.
- Master / Slave function for up to 5 units (1 master / 4 slaves).
- LED indicators for zones and Priority status.

For complete specifications, see submittal [SUB41310](#).



Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
41316	6 Zone Pump Wiring Center	1	4	ea.	\$ 655.34

StatLink® 4 Zone Module
Stk# 40414



The HeatLink® StatLink 40414 4 Zone Module is designed for use with HeatLink 46645 3-wire thermostats to control up to 4 zones, with up to 3 HeatLink actuators connected to each zone terminal. Each zone controls the associated actuator output terminal.

Jumpers can be used to extend the number of actuators per zone. The module comes with a factory installed fuse for protection. The end switch circuit from the actuators output terminals is ganged through the controller for easy wiring. 24V power from an external transformer of adequate VA is required.

The module can be mounted to a DIN rail or directly to a wall.
For complete specifications, see submittal [SUB40414](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
40414	StatLink® 4 Zone Module	1		ea.	\$ 138.56

Installation Track for StatLink® Modules
Stk# 44325



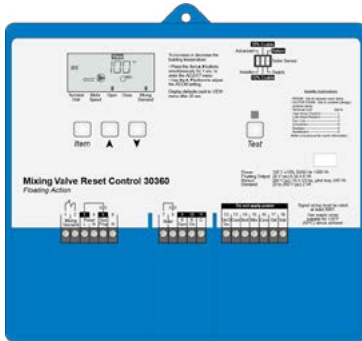
Allows for easy and fast installation of all control modules.

Length = 25"

For complete specifications, see submittal [SUB44325](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
44325	StatLink® Installation Track, 25"	1		ea.	\$ 21.18

**Indoor/Outdoor Mixing Valve Reset Control
Stk# 30360**



The 30360 mixing control is designed to operate a mixing valve using outdoor temperature reset. It can be used in applications ranging from radiant floor heating to commercial baseboard systems for boiler protection with full reset. This control regulates a single heating water temperature through outdoor temperature reset. It controls the mixing by opening or closing a floating type mixing valve actuator (3 or 4 way valves), and also provides control of the mix system pump.

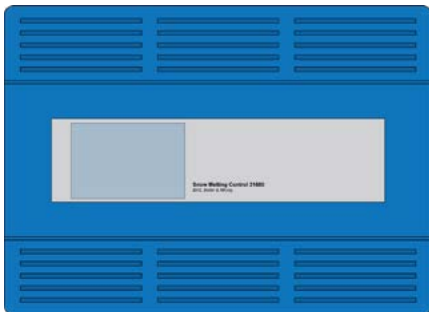
Outdoor sensor and 2 universal sensors are included.

120 Vac 60 Hz 1300 VA

For complete specifications, see submittal [SUB30360](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
30360	Indoor/Outdoor Mixing Valve Reset Control	1		ea.	\$ 2,164.76

**Snow Melt Control 680-BMS BACnet
Stk# 31680**



The 31680 Snow Melt Control is designed to control a single zone snow melting system. Up to two Snow/Ice Sensors (#30090) can be connected, allowing for a larger detection area and redundancy. The control automatically adjusts the mixed supply water to the snow melting system by controlling a variable speed injection pump or mixing valve. The 31680 control includes a large Liquid Crystal Display (LCD) in order to view system status and operating information.

Outdoor sensor and 3 universal sensors are included.

115 Vac 60 Hz 320 VA (max)

For complete specifications, see submittal [SUB31680](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
31680	Snow Melt Control 680-BMS BACnet (30090,30091,Snow/Ice Sensor sold sep)	1		ea.	\$ 8,020.56



Snow Melt Control
Stk# 30654

The 30654 Snow Melt Control is designed to control a single zone snow melting system. Using a Snow/Ice Sensor (#30090; sold separately) the control automatically adjusts the mixed supply water to the snow melting system by controlling a variable speed injection pump or mixing valve. The 30654 control includes a large Liquid Crystal Display (LCD) in order to view system status and operating information.

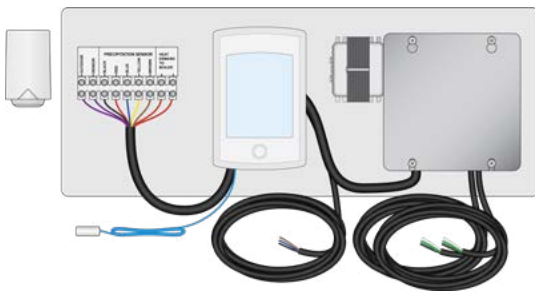
Outdoor sensor and 1 universal sensor are included.

24 Vac 60 Hz 100 VA (max)

For complete specifications, see submittal [SUB30654](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
30654	Snow Melt Control	1		ea.	\$ 2,062.01

Snow Melt Control Package - 30654
Stk# SMCP-654



The SMCP-654 Snow Melt Control Package is designed to control a single zone snow melting system. It includes the 30654 snow melt control and electrical components for a hydronic mixing system.

The SMCP-654PWM version adds wiring connections on the terminal strip for a modulating boiler.

A 40VA 24 Vac transformer is pre-wired provides low voltage power.

An SPDT relay is pre-wired for auxiliary contacts / boiler demand.

A DPDT relay is pre-wired for primary and secondary pumps.

Outdoor sensor and 1 universal sensor are included.

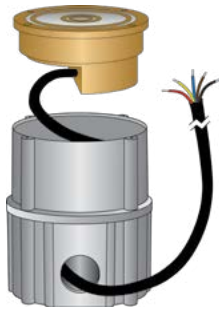
DDC actuator (#56121) or mixing valve motor (#58132 or #58300) sold separately.

Snow/Ice Detector (Sensor; #30090) sold separately.

120 Vac 50/60 Hz

For complete specifications, see submittal [SUBSMCP-654](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
SMCP-654	Snow Melt Control Package	1		ea.	\$ 3,016.63
New! SMCP-654PWM	Snow Melt Control Package - 30654 Pulse Width Modulation	1		ea.	\$ 3,016.63



Snow/Ice Detector (Sensor)
Stk# 30090, 30091

This snow/ice sensor in conjunction with a compatible snow melt control, activates and controls a snow melting system based on moisture (snow/ice) and slab temperature. This control is not designed as a simple detection device and will not operate properly in an unheated slab. For use with #30654 Snow Melt Control or # 31680 Snow Melt Control 680-BMS BACnet. For complete specifications, see submittal [SUB30090](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
30090	Snow/Ice Sensor (10K) 65 ft cable	1		ea.	\$ 2,207.63
30091	Snow/Ice Sensor Socket	1		ea.	\$ 501.73



Aerial Mounted Snow Sensor
Stk# 30095

This aerial mounted snow sensor in conjunction with a compatible snow melt control, activates a snow melting system based on moisture (snow). It mounts to a nominal 1/2" (16 mm) metal or PVC conduit or pole. For use with #30654 Snow Melt Control or # 31680 Snow Melt Control 680-BMS BACnet. For complete specifications, see submittal [SUB30095](#).

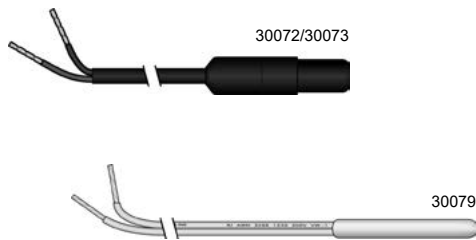
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
30095	Aerial Mounted Snow Sensor	1		ea.	\$ 469.17



Universal Sensor
Stk# 30071

Standard sensor for use as optional sensor in 30000 series controls. For complete specifications, see submittal [SUB30072](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
30071	Universal Sensor (10K)	1		ea.	\$ 94.05



Slab Sensor
Stk# 30072, 30073, 30079

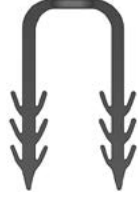
Sensors for use in measuring slab or ground temperatures. For use with 30000 series controls and 46000 series thermostats.

The 30072 and 30073 standard sensors with PVC sleeve are designed for use in soil or concrete.

The 30079 sensor with stainless steel sleeve is designed for use in concrete, thin-set and grout.

For complete specifications, see submittal [SUB30072](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
30072	Slab Sensor (10K) PVC Sleeve 20ft Cable	1		ea.	\$ 318.67
30073	Slab Sensor (10K) PVC Sleeve 40ft Cable	1		ea.	\$ 543.86
30079	Slab Sensor (10K) SS Sleeve 10ft Cable	1		ea.	\$ 114.43



Track Staples
Stk# 89010

Staples are used to fasten tubing tracking to polystyrene insulation. The hooks on the ends ensure the staple will not loosen prior to topping pour. For complete specifications, see submittal [SUB89000](#).

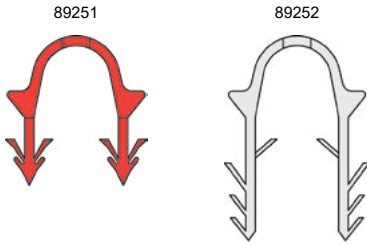
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
89010	500 Track Staples	1	20	bag	\$ 214.41



Staples for Stand-up Stapler (old style)
89240 Series

Staples for fastening up to 1/2" (or 18mm O.D.) PEX tubing to polystyrene insulation. For use with Stand-up Stapler #10220 (discontinued) or HeatLink® Deluxe Staple Gun #10230 ([page 141](#)). For complete specifications, see submittal [SUB89240](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
89244	300× 2-3/4" (60mm) Staples for Stand-up Stapler	1	20	box	\$ 80.15



Staples for Deluxe Staple Gun
89250 Series

Staples for fastening up to 5/8" (or 20mm O.D.) PEX tubing to polystyrene insulation. For use with HeatLink® Deluxe Staple Gun #10230 ([page 141](#)). For complete specifications, see submittal [SUB89250](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
89251	300× 1-1/2" Staples for HeatLink® Deluxe Staple Gun	1	20	box	\$ 103.79
89252	300× 2" Staples for HeatLink® Deluxe Staple Gun	1	–	box	\$ 128.11



HeatLink® Tie Straps
89100 Series

Used to fasten piping to wire mesh or rebar. 5-1/2" (140 mm) tie wraps (89105) are used for smaller diameter tubing. 7-1/2" (190 mm) tie wraps (89107) can be used for sizes up to 1". For complete specifications, see submittal [SUB89100](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
89105	1000 Tie Straps - 5.5"	1	10	bag	\$ 103.13
89107	1000 Tie Straps - 7.5"	1	10	bag	\$ 108.62



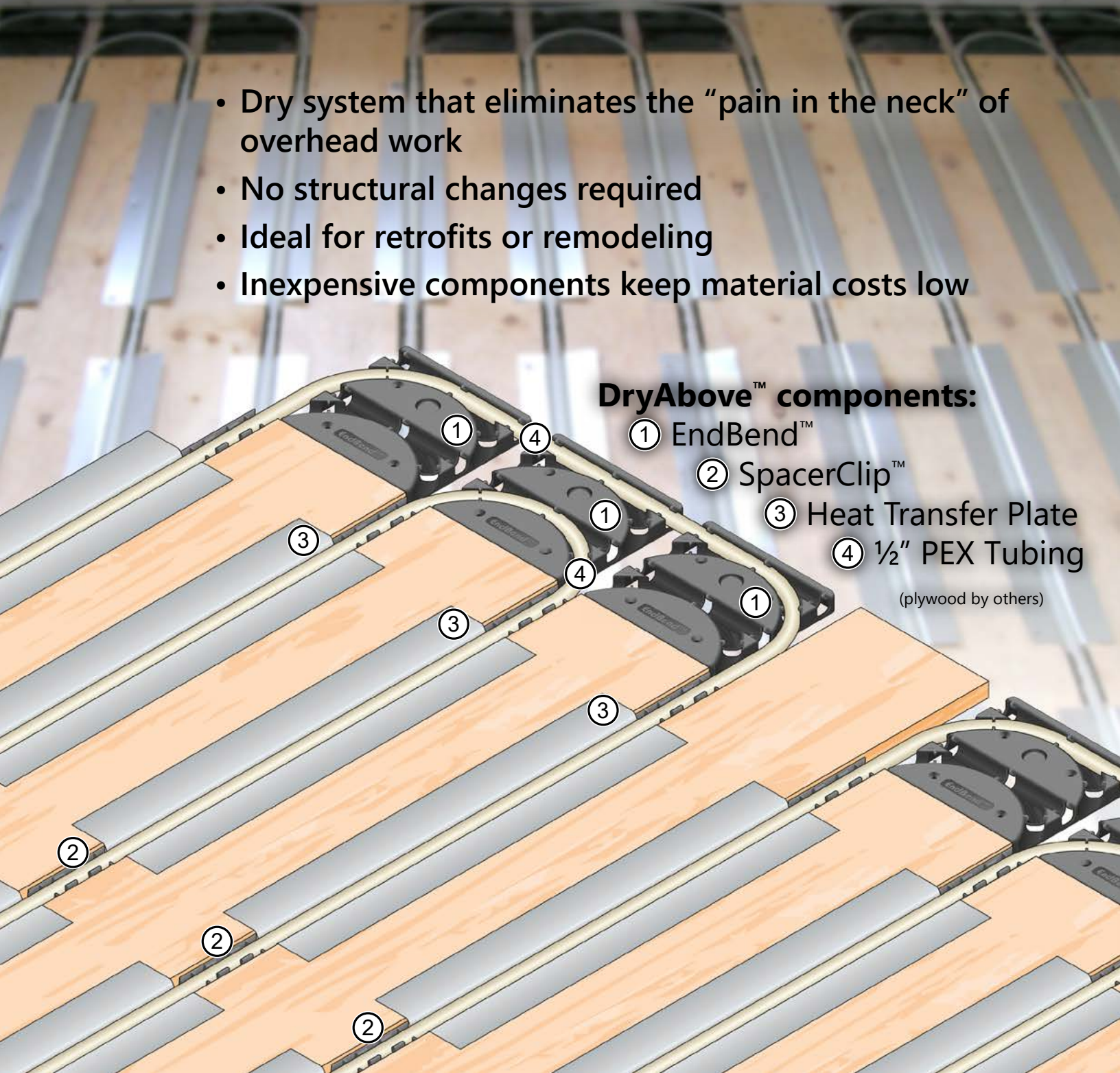
DryAbove™ System

- Dry system that eliminates the “pain in the neck” of overhead work
- No structural changes required
- Ideal for retrofits or remodeling
- Inexpensive components keep material costs low

DryAbove™ components:

- ① EndBend™
- ② SpacerClip™
- ③ Heat Transfer Plate
- ④ ½" PEX Tubing

(plywood by others)





Aluminum Heat Transfer Plate
Stk# 87024

This plating is used to provide a direct transfer and heat distribution from the PEX piping to a wooden subfloor. They can be stapled to the underside of the subfloor in a DryBelow™ system or used above the subfloor in a DryAbove™ system.
End to end gaps between plates should be from 3" to 6" (75 to 150mm).
Plates measure 24" x 4-1/4" (610 mm x 108 mm).
For complete specifications, see submittal [SUB87000](#).

Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
87024	24" Aluminum Heat Transfer Plate for DryAbove™/ DryBelow™ Systems	250	6000	ea.	\$ 6.43



EndBend™ for DryAbove™ System
Stk# 87205

The EndBend™ allows for transition on the loop ends as well as supports for supply & return piping.
For complete specifications, see submittal [SUB87200](#).

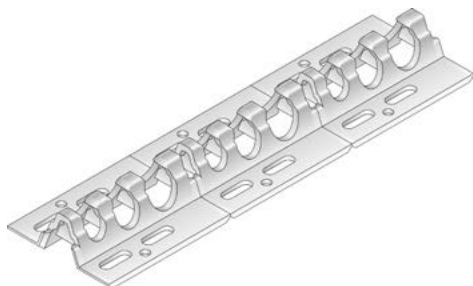
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
87205	EndBend™ for DryAbove™ System	25	50	ea.	\$ 8.85



SpacerClip™ for DryAbove™ System
Stk# 87305

The SpacerClip™ is placed between the heat transfer plates and holds the tubing in place. Tubing can be stepped into clip.
For complete specifications, see submittal [SUB87300](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
87305	SpacerClip™ for DryAbove™ System	50	500	ea.	\$ 2.96



Tubing Tracking: 3/8", 1/2" and 5/8"
Stk# 89000

Tracking provides even tubing spacing in 3" (75 mm) multiples and exact regulation of tubing heights. Tubing is slightly elevated to ensure the concrete can totally encase tubing. Tubing, track & ground insulation assembly stays at the bottom of the pour to best utilize "angle of radiation"; eliminates hot and cold spots on the surface.
Tubing can be snapped in using your feet; no more bending down or tying is needed.
They can be fastened to many surfaces, such as concrete or plywood subfloors, steel Q decking, and polystyrene insulation.
Tracking comes in 4 ft (1.22 m) lengths.
For complete specifications, see submittal [SUB89000](#).

Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
89000	Tubing Tracking	400	10000	ft.	\$ 2.16



Conduit Elbows
86000 Series

High impact strength moulded plastic 90° long radius elbow, designed to direct and protect heating tubing in transition area where tubing enters and exits concrete slab.

For complete specifications, see submittal [SUB86000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
86005	½" Conduit 90s	1	100	ea.	\$ 6.64
86020	⅝" Conduit 90s	1	50	ea.	\$ 9.03
86022	¾" Conduit 90s	1	40	ea.	\$ 13.60



Plastic Bend Support
86100 Series

Allows for easy bending support and removal.

For complete specifications, see submittal [SUB86100](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
86105	Plastic Bend Support for ⅝" and ½" Tubing	1	300	ea.	\$ 2.05
86122	Plastic Bend Support for ¾" Tubing	50	200	ea.	\$ 4.26

Molybdate Based Corrosion Inhibitor
Stk# 01205



The Molybdate Based Corrosion Inhibitor creates a protective monomolecular film over all internal surfaces of the heating system as the water circulates. The film is an anodic coating which immediately stops corrosive attack of the metallic parts. Molybdate will not harm PEX tubing or the manifolds and it is glycol compatible. Molybdate concentration between 100-150 ppm is recommended; higher concentrations are not harmful.

The molybdate will act as a preoperational cleaner if a side stream filter is installed and double the amount of molybdate required is added. The molybdate concentration should be checked after this procedure.

The contents of this 1 L (0.26 US gal) container will treat 182 L (48 US gal) of water.

Advantages: toxicity; non-pollutant; non-staining.

For more information, see submittal [SUB01205](#) and SDS [L2803](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
01205	1L Corrosion Inhibitor (Molybdate Based)	1	12	ea.	\$ 129.41

Magnetic Dirt Separator
Stk# 02330



The magnetic dirt separator is designed to remove precipitate (suspended solids) from the system fluid. Precipitate can lead to increased wear and tear of components and decreased system efficiency.

A candle-shaped magnet in the upper part of the body attracts ferromagnetic particles at the entry point into the separator. Any particles that escape the first magnet flow towards the lower section where they are attracted by three lower magnets. The four magnets eliminate almost all the circulating particles. A stainless steel mesh blocks residual impurities before the passage of the fluid to the drain chamber.

A manual air vent allows for the release of entrained air in the system. Designed for easy maintenance and cleaning.

The separator is installed on the system return pipe to protect the components mounted upstream. It is swivel mounted for installation in any connection position.

For more information, see submittal [SUB02330](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	02330	1-1/4" Magnetic Dirt Separator	1	5	ea.	\$ 488.01

Making the Complex Simple

HeatLink has found a way to make the complex more simple. With the Mechanical Room in a Box, some of the most common components of a radiant hydronic installation (mainly the wiring, pumps, and mixing valves), are installed on a panel with a plug, and boxed with a steel cover. This pre-wired, pre-fabricated, pre-engineered box is a time and money saving way to add control and consistency to an installation. Plug it in, and presto...you've got play!

Features

- Versatile solutions for simple or complex hydronic heating applications.
- Pre-fabricated, pre-engineered, pre-wired...pre-cise!
- High quality, reliable and standardized construction.
- Modular approach for ease of installation.
- Appliance-like protective steel cover; tamper-resistant.
- Closed hydronic systems can be extensively zoned.
- Solar energy sources can be seamlessly added.
- When properly piped, there is less component cycling...and more silence.

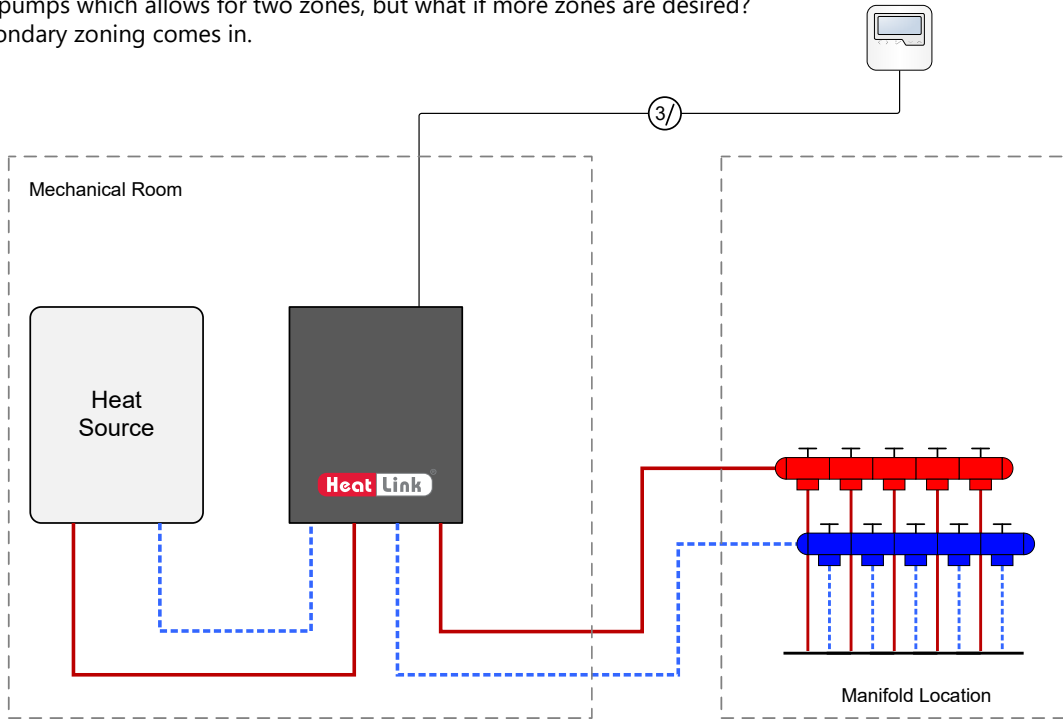
Advantages

- Pre-engineered solutions reduce design and quotation time.
- Reliable (ETL listed, UL 508, CSA standard), exceeds highest quality standards, with multiple test procedures for electrical and mechanical system components.
- Eliminate on-site design and reduced risk of on-site errors.
- Known cost; fewer surprises.
- Reduced installation times; time is money!
- Trouble-free start-ups every time!
- Fewer call-backs.
- Compact and aesthetically pleasing.
- Easily serviced and replaceable.
- Covered by a single warranty.



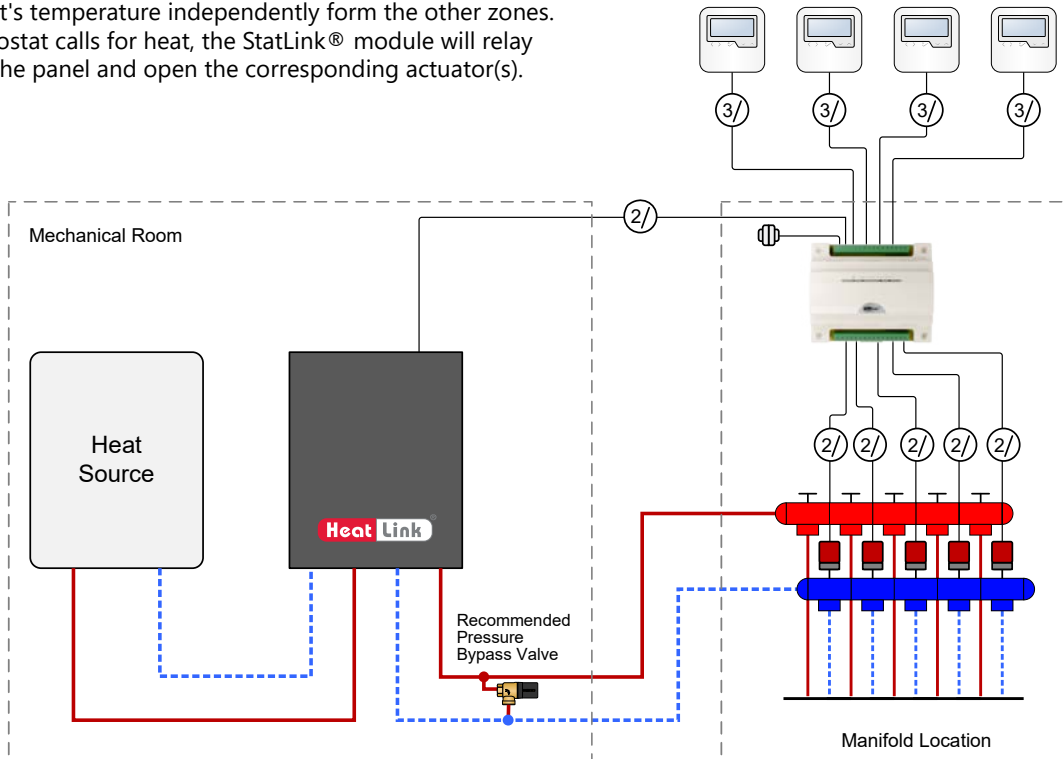
One Zone per Pump

The standard configuration of most panels is one thermostatic zone per pump circuit. This means that all areas served by the pump circuit are heated at the same time. Some panels have two pumps which allows for two zones, but what if more zones are desired? That's where secondary zoning comes in.



Secondary Zoning

The addition of a StatLink® module and manifold actuators allows for the creation of multiple zones. Each zone has its own thermostat that can control its temperature independently from the other zones. When any thermostat calls for heat, the StatLink® module will relay that demand to the panel and open the corresponding actuator(s).



Residential Panel Selection

These panels are intended for use in single family residences or small commercial buildings. Multiple panels can be used in multi-family residences.

To select the panel that will work best for your system installation use the tables and definitions below. For additional assistance contact our technical or product support team.

Definitions

- An open system uses a domestic hot water tank as the heat source, and cycles new water into the system.
- A closed system uses a dedicated boiler, or tankless water heater, and cycles the same water through the system.

Pg#	Panel Stk#	Application			Heat Source				Open System ¹	Closed System	Zoning ²	Heating Manifold	Heat Exchanger	Mixing ³	Outdoor Reset	DHW Priority	24hr Timer for Potable	BTU/hr
		Indirect Fired DHW	Radiant	High Temp	Hot Water Tank ¹	Tankless Water Heater	Boiler	Built-in										
92	ECO Series	•	•				• ⁴		•	1–2						• ¹⁰		80/100,000
93	V100 Series	•	•				• ⁵		•	1–2						• ¹⁰		80/100,000
94	CAD Series	•	•				• ⁶		•	1–2						• ¹⁰		80/100,000
95	KNIGHT Series	•	•				• ⁷		•	1–2						• ¹⁰		80/100,000
96	TFT Series	•	•				• ⁸		•	1–2						• ¹⁰		80/100,000
97	BC Series	•	•				• ⁹		•	1–2						• ¹⁰		80/100,000
98	ELBP Series		•					•	•	1								18/30/50,000
99	ELBP-TS Series		•					•	•	1	•							18/30/50,000
100	TMP040/070		•		•		•	•	•	1			•				•	40/70,000
101	TMP070Z		•		•		•	•	•	4			•				•	70,000
102	TMP085DP		•		•		•	•	•	2			•				•	85,000
103	TMP-Multi	•	•	•			•		•	2–5			•			•		
105	TWH-P Series		•			•	•	•	•	1			•		opt	•		70,000
106	TWH-Z Series		•			•	•	•	•	4			•		opt	•		70,000
107	HEP Series		•		•	•		•	•	1		•			opt	•		25/80/95,000
108	HEP025R		•		•	•		•	•	1		•			opt			25,000
109	HEP-RT Series		•		•	•		•	•	1–2		•			opt	•		25/80,000

Notes

1. If permitted by local codes.
2. Number of zones supported by the panel. Additional zones on a closed system is possible with secondary zoning.
3. Mixing allows the panel to regulate the secondary supply water temperature. Without mixing, the supply water temperature is regulated by the heat source.
4. ECO Series panels are designed for use with Weil-McLain ECO boilers.
5. V100 Series panels are designed for use with Viessmann 100-W boilers.
6. CAD Series panels are designed for use with Lochinvar Cadet boilers.
7. KNIGHT Series panels are designed for use with Lochinvar Knight boilers.
8. TFT Series panels are designed for use with NTI Trinity Tft 60-110 boilers.
9. IBC Series panels are designed for use with IBC SL G2 boilers.
10. DHW Priority is controlled by the boiler.

ECO Boiler Panels ECO Series

These panels are designed to work with Weil-McLain ECO boilers. The primary piping matches up to the ECO boiler system supply and return.

Heating sequence of operation (ECO1ZN3P):

- A heat demand from the room thermostat will send a heating demand to the boiler.
- The boiler will turn on the Primary pump and Radiant pump.
- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant and Primary pumps will stop.

Heating sequence of operation (ECO2ZN4P):

- A heat demand from either room thermostat will close its corresponding relay in the panel and send a heating demand to the boiler.

- The boiler will turn on the Primary pump and appropriate Radiant pump.
- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant pumps will stop and the Primary pump will continue to run for as long as the boiler control requires.

DHW sequence of operation (ECO1ZN3P & ECO2ZN4P):

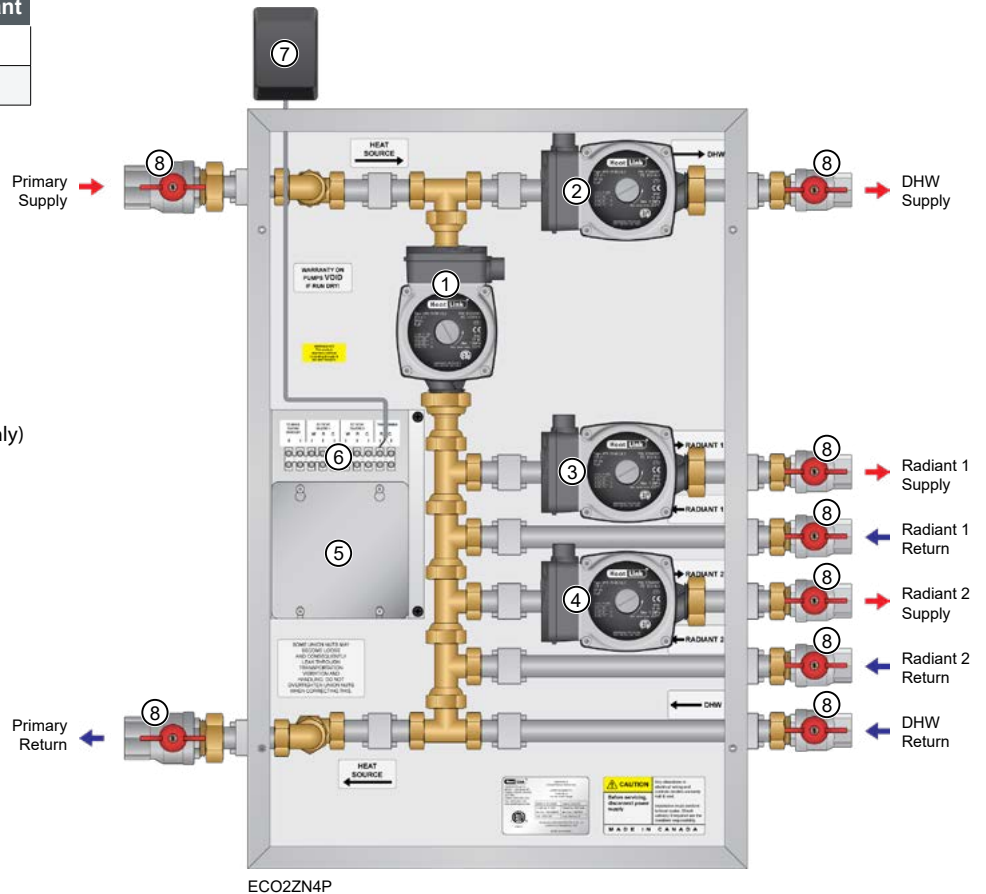
- A demand from the DHW aquastat to the boiler, the boiler will turn on the DHW pump and disable the Primary and Radiant pumps (if running) and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will continue to run for as long as the boiler control requires.

For complete specifications, see submittal [SUBECOxZNxP](#).

Panel Stk#	Pumps		
	Primary	DHW	Radiant
ECO1ZN3P	•	•	1
ECO2ZN4P	•	•	2

Panel Components

- ① Primary Pump
 - ② DHW Pump
 - ③ Radiant 1 Pump
 - ④ Radiant 2 Pump (ECO2ZN4P only)
 - ⑤ Electrical Connection Box
 - ⑥ 24V Terminal Block (ECO2ZN4P only)
 - ⑦ 24Vac Plug-in Transformer (ECO2ZN4P only)
 - ⑧ Isolation Valve
- Panel Cover (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
ECO1ZN3P	ECO Boiler Panel 3 Pump	1	ea.	\$ 4,170.00
ECO2ZN4P	ECO Boiler Panel High Capacity 4 Pump	1	ea.	\$ 4,805.00

V100 Boiler Panels V100 Series

These panels are designed to work with Viessmann Vitodens 100-W boilers. The panel primary piping matches up to the Vitodens boiler system supply and return. The V103 panel is designed to work with the Combi Boiler.

Heating sequence of operation (V101):

- A heat demand from the room thermostat will close its relay in the panel and send a heating demand to the boiler.
- The boiler will turn on the Primary pump and Radiant pump.
- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant pump will stop and the Primary pump will continue to run for as long as the boiler control requires.

Heating sequence of operation (V102 & V103):

- A heat demand from either room thermostat will close its corresponding relay in the panel and send a heating demand to the boiler.

- The boiler will turn on the Primary pump and appropriate Radiant pump.
- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant pumps will stop and the Primary pump will continue to run for as long as the boiler control requires.

DHW sequence of operation (V101 & V102):

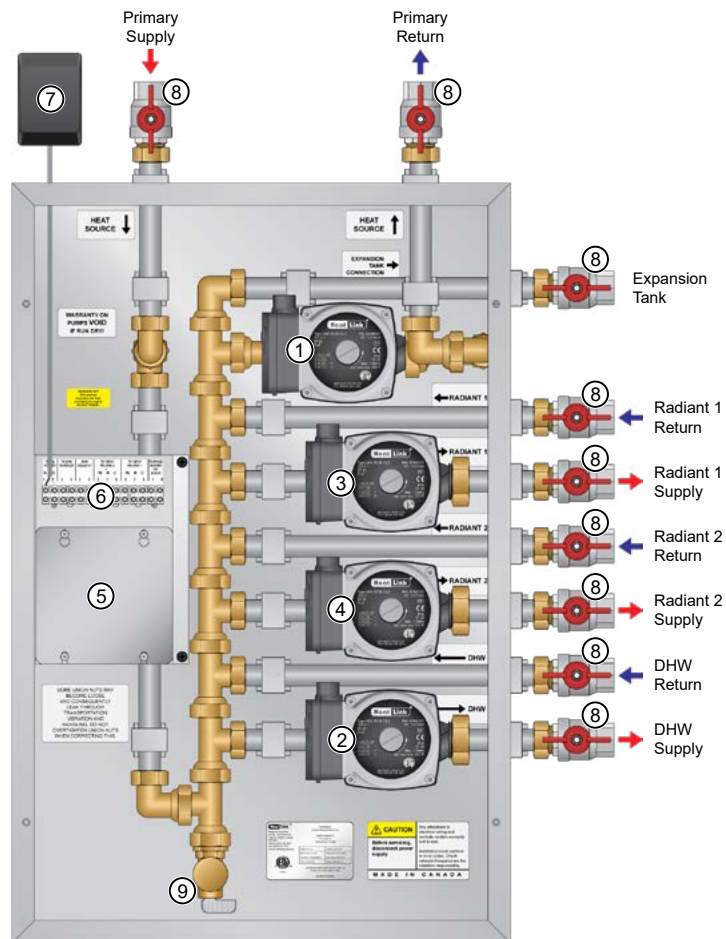
- A demand from the DHW aquastat will close its relay in the panel, disable the Radiant pump(s) (if running), and send a DHW demand to the boiler.
- The boiler will turn on the Primary and DHW pumps and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will stop and the Primary pump will continue to run for as long as the boiler control requires.

For complete specifications, see submittal [SUBV100](#).

Panel Stk#	Pumps		
	Primary	DHW	Radiant
V101	•	•	1
V102	•	•	2
V103			3

Panel Components

- ① Primary Pump (V101 & V102)
- ② DHW Pump (V101 & V102)
- ③ Radiant 3 Pump (V103 only)
- ④ Radiant 1 Pump
- ④ Radiant 2 Pump (V102 & V103)
- ⑤ Electrical Connection Box
- ⑥ 24V Terminal Block
- ⑦ 24Vac Plug-in Transformer
- ⑧ Isolation Valve
- ⑨ Drain Valve
- Panel Cover (not shown)



V102

Stk#	Description	Pkg Qty	Unit	List Price / Unit
V101	V100 Boiler Panel 1 Htg 1 DHW	1	ea.	\$ 4,367.00
V102	V100 Boiler Panel 2 Htg 1 DHW	1	ea.	\$ 5,178.00
V103	V100 Boiler Panel 3 Htg	1	ea.	\$ 5,178.00

CAD Boiler Panels CAD Series

These panels are designed to work with Lochinvar Cadet boilers. The panel primary piping matches up to the Cadet boiler system supply and return.

Heating sequence of operation (CAD01):

- A heat demand from the room thermostat will send a heating demand to the boiler.
- The boiler will turn on the Primary pump and Radiant pump.
- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant and Primary pumps will stop.

Heating sequence of operation (CAD02):

- A heat demand from either room thermostat will close its corresponding relay in the panel and send a heating demand to the boiler.

- The boiler will turn on the Primary pump and appropriate Radiant pump.
- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant pumps will stop and the Primary pump will continue to run for as long as the boiler control requires.

DHW sequence of operation (CAD01 & CAD02):

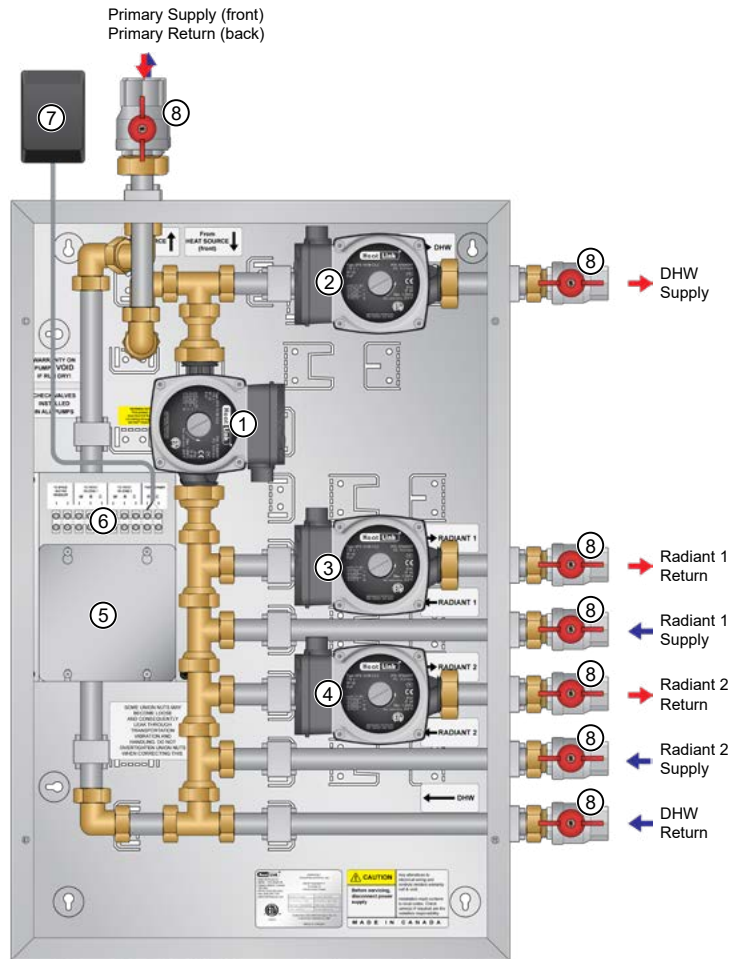
- A demand from the DHW aquastat to the boiler, the boiler will turn on the DHW pump, and turn off the Primary Pump, and the Radiant pump(s) (if running) and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will continue to run for as long as the boiler control requires.

For complete specifications, see submittal [SUBCAD00](#).

Panel Stk#	Pumps		
	Primary	DHW	Radiant
CAD01	•	•	1
CAD02	•	•	2

Panel Components

- ① Primary Pump
- ② DHW Pump
- ③ Radiant 1 Pump
- ④ Radiant 2 Pump (CAD02 only)
- ⑤ Electrical Connection Box
- ⑥ 24V Terminal Block (CAD02 only)
- ⑦ 24Vac Plug-in Transformer (CAD02 only)
- ⑧ Isolation Valve
- Panel Cover (not shown)



CAD02

Stk#	Description	Pkg Qty	Unit	List Price / Unit
CAD01	CAD Boiler Panel 3 Pump	1	ea.	\$ 4,170.00
CAD02	CAD Boiler Panel High Capacity 4 Pump	1	ea.	\$ 4,805.00

KNIGHT Boiler Panels KNIGHT Series

These panels are designed to work with Lochinvar Knight boilers.

Heating sequence of operation (Knight01):

- A heat demand from the room thermostat will send a heating demand to the boiler.
- The boiler will turn on the Primary pump and Radiant pump.
- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant and Primary pumps will stop.

Heating sequence of operation (Knight02):

- A heat demand from either room thermostat will close its corresponding relay in the panel and send a heating demand to the boiler.
- The boiler will turn on the Primary pump and appropriate Radiant pump.
- The supply water temp is determined by the boiler.

- When the heat demand is removed, the Radiant pumps will stop and the Primary pump will continue to run for as long as the boiler control requires.

DHW sequence of operation (Knight01 & Knight 02):

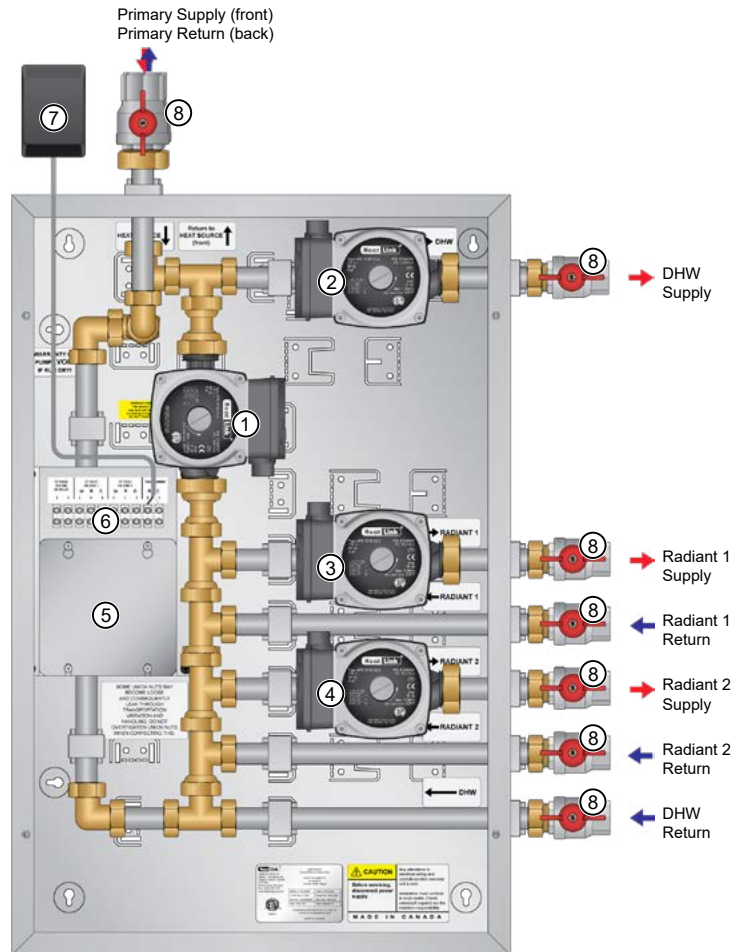
- A demand from the DHW aquastat to the boiler, the boiler will turn on the DHW pump, and turn off the Primary pump, and the Radiant pump(s) (if running) and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will continue to run for as long as the boiler control requires.

For complete specifications, see submittal [SUBKNIGHT00](#).

Panel Stk#	Pumps		
	Primary	DHW	Radiant
Knight01	•	•	1
Knight02	•	•	2

Panel Components

- ① Primary Pump
- ② DHW Pump
- ③ Radiant 1 Pump
- ④ Radiant 2 Pump (Knight02 only)
- ⑤ Electrical Connection Box
- ⑥ 24V Terminal Block (Knight02 only)
- ⑦ 24Vac Plug-in Transformer (Knight02 only)
- ⑧ Isolation Valve
- Panel Cover (not shown)



Knight02

Stk#	Description	Pkg Qty	Unit	List Price / Unit
Knight01	Panel for Knight Wall Mount Boiler (3 Pump)	1	ea.	\$ 4,170.00
Knight02	Panel for Knight Wall Mount Boiler (4 Pump)	1	ea.	\$ 4,805.00

TFT Boiler Panels TFT Series

These panels are designed to for use with NTI Trinity Tft 60-110 boilers.

Heating sequence of operation (TFT01):

- A heat demand from the room thermostat will send a heating demand to the boiler.
- The boiler will turn on the Primary pump and Radiant pump.
- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant and Primary pumps will stop.

Heating sequence of operation (TFT02):

- A heat demand from either room thermostat will close its corresponding relay in the panel and send a heating demand to the boiler.
- The boiler will turn on the Primary pump and appropriate Radiant pump.

- The supply water temp is determined by the boiler.
- When the heat demand is removed, the Radiant pumps will stop and the Primary pump will continue to run for as long as the boiler control requires.

DHW sequence of operation (TFT01 & TFT02):

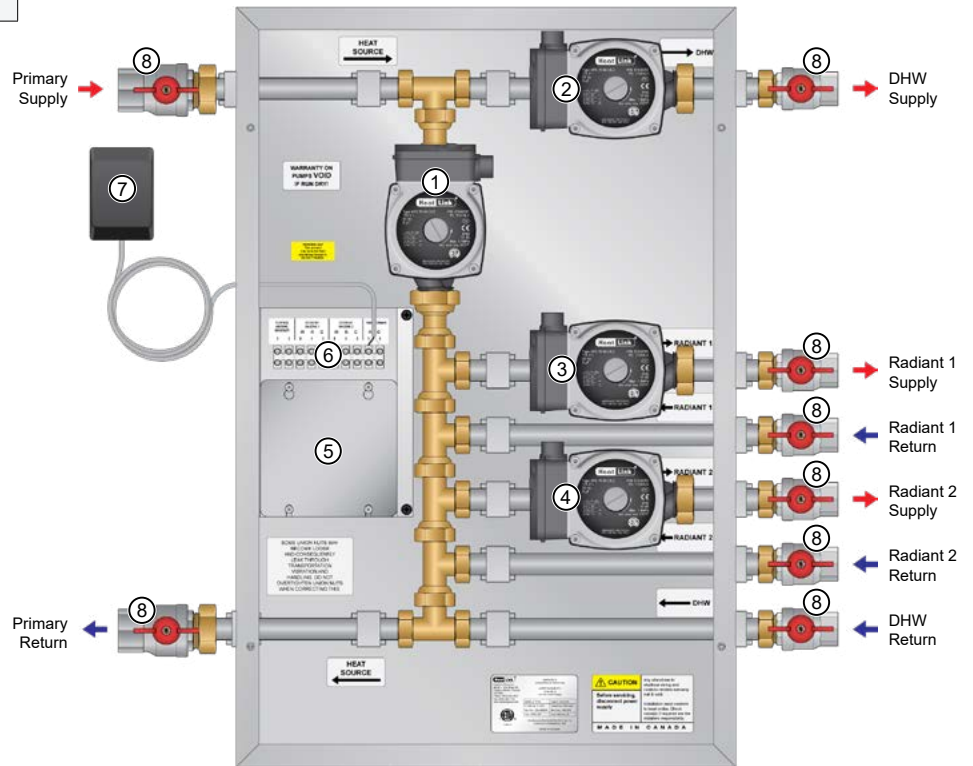
- A demand from the DHW aquastat will send a DHW demand to the boiler.
- The boiler will turn on the DHW pump and disable the Primary and Radiant pump(s) (if running) and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will continue to run for as long as the boiler control requires.

For complete specifications, see submittal [SUBTFT00](#).

Panel Stk#	Pumps		
	Primary	DHW	Radiant
TFT01	•	•	1
TFT02	•	•	2

Panel Components

- ① Primary Pump
- ② DHW Pump
- ③ Radiant 1 Pump
- ④ Radiant 2 Pump (TFT02 only)
- ⑤ Electrical Connection Box
- ⑥ 24V Terminal Block (TFT02 only)
- ⑦ 24Vac Plug-in Transformer (TFT02 only)
- ⑧ Isolation Valve
- Panel Cover (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
TFT01	TFT01 Boiler Panel 3 Pump	1	ea.	\$ 4,170.00
TFT02	TFT02 High Capacity Boiler 4 Pump	1	ea.	\$ 4,805.00

BC Boiler Panels BC Series

The BC G2-1 and BC G2-2 panels are designed to work with IBC SL G2 boilers. The panel primary piping matches up to the IBC boiler system supply and return.

The BC G2-3 panel will work with IBC DC series combi boilers.

The panel has three or four Grundfos UPS15-58 pumps. All of which are controlled by the boiler.

All the thermostats, and the DHW sensor are wired to the boiler.

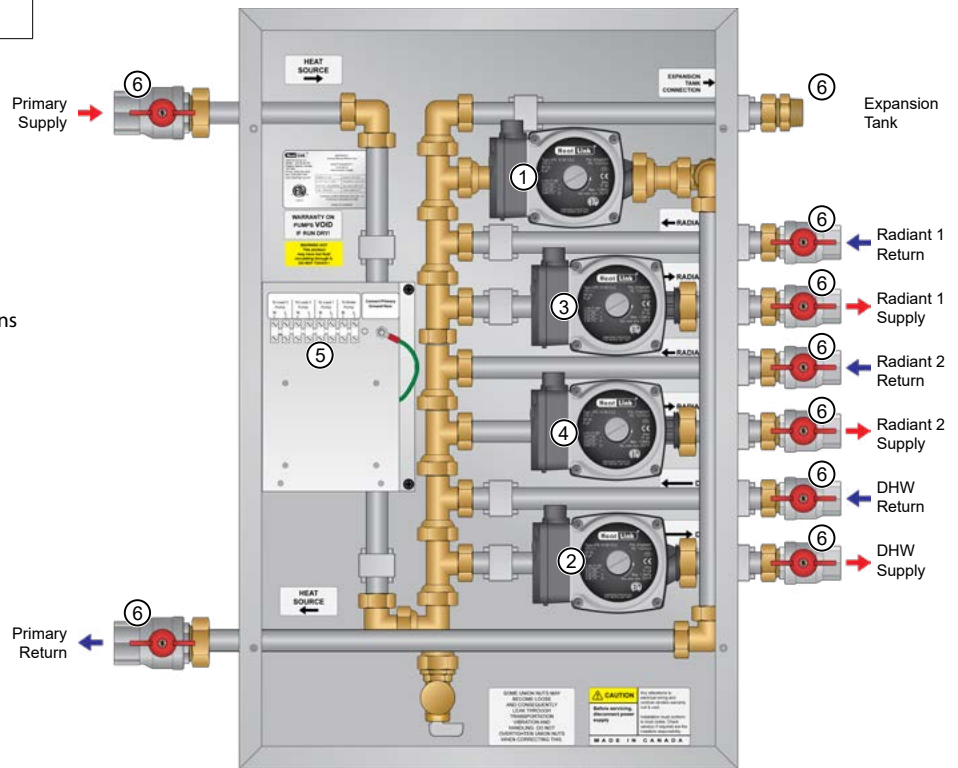
The water temperature and DHW priority is controlled by the boiler.

For complete specifications, see submittal [SUBBCG2](#).

Panel Stk#	Pumps		
	Primary	DHW	Radiant
BC G2-1	•	•	1
BC G2-2	•	•	2
BC G2-3			3

Panel Components

- ① Primary Pump (BC G2-1 & BC G2-2)
- ② DHW Pump (BC G2-1 & BC G2-2)
- ③ Radiant 3 Pump (BC G2-3 only)
- ④ Radiant 1 Pump
- ④ Radiant 2 Pump (BC G2-2 only)
- ⑤ 120V Terminal Block for pump connections
- ⑥ Isolation Valve
- Panel Cover (not shown)



BC G2-2

Stk#	Description	Pkg Qty	Unit	List Price / Unit
BC G2-1	Standard Boiler Panel 3 Pump	1	ea.	\$ 4,380.00
BC G2-2	High Capacity Boiler Panel 4 Pump	1	ea.	\$ 5,192.00
BC G2-3	BC G.Combi Boiler Panel	1	ea.	\$ 4,615.00

ELBP Electric Boiler Panel ELBP Series

The Electric Boiler Panel's primary application is for heating small areas where quick installation is needed or alternative fuel sources aren't available.

The Electric Boiler Panel includes a 6.7kW, 11kW, or 18kW electric boiler, automatic air vent, pressure relief valve, strainer, pump, connection for an expansion tank, 24Vac transformer, StatLink® Module, and electrical box for 240V connection.

Sequence of operation:

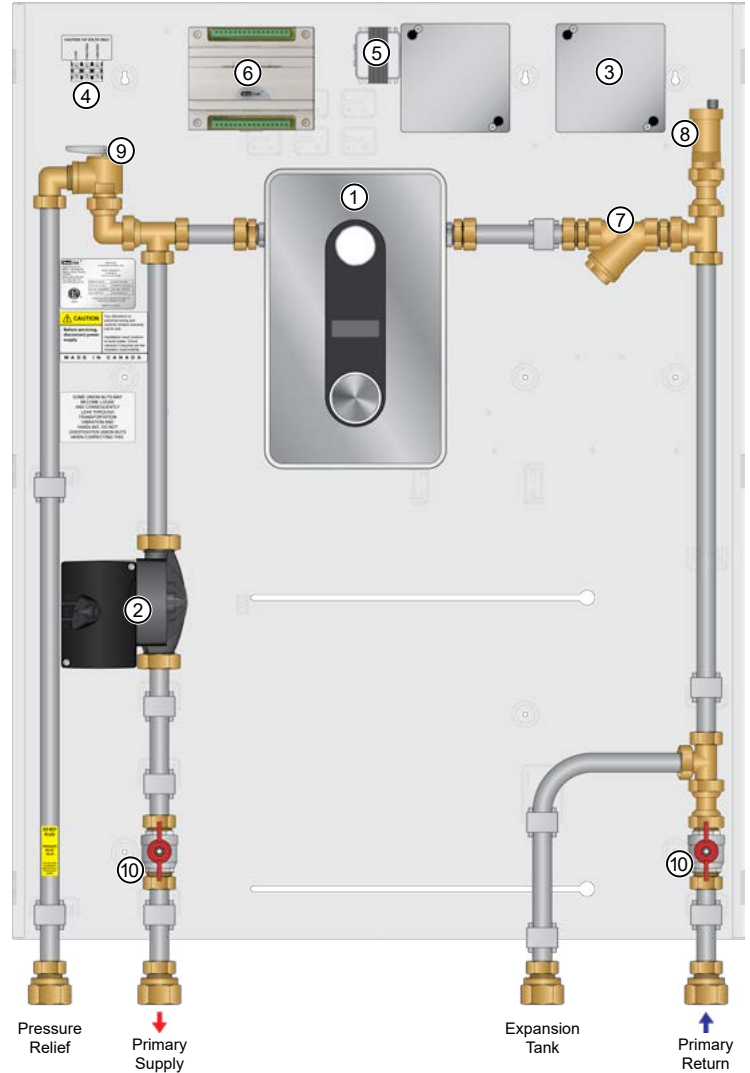
- When there is a call for heat from the thermostat wired to the StatLink® Module, the pump is activated; the electric boiler is then activated via a flow meter and supplies heat based on the user settings.

For complete specifications, see submittal [SUBELBP000](#).

Panel Components

- ① Electric Boiler
- ② Primary Pump
- ③ 240Vac Electrical Connection Box
- ④ 120Vac Terminal Block
- ⑤ 24Vac Transformer
- ⑥ StatLink® Module
- ⑦ Strainer
- ⑧ Automatic Air Vent
- ⑨ Pressure Relief Valve
- ⑩ Isolation Valve
- Panel Enclosure (not shown)

ELBP30



Stk#	Description	Pkg Qty	Unit	List Price / Unit
ELBP18	Electric Boiler Panel 18,000BTU	1	ea.	\$ 4,788.00
ELBP30	Electric Boiler Panel 30,000BTU	1	ea.	\$ 8,432.00
ELBP50	Electric Boiler Panel 50,000BTU	1	ea.	\$ 8,614.00

ELBP Electric Boiler Panel with Manifold ELBP-TS Series

The Electric Boiler Panel's primary application is for heating small areas where quick installation is needed or alternative fuel sources aren't available.

The Electric Boiler Panel includes a 6.7kW, 11kW, or 18kW electric boiler, automatic air vent, pressure relief valve, strainer, pump, connection for an expansion tank, TwistSeal® Multiport Mini Manifold, 24Vac transformer, StatLink® Module, and electrical box for 240V connection.

PEX to manifold connectors are sold separately.

Sequence of operation:

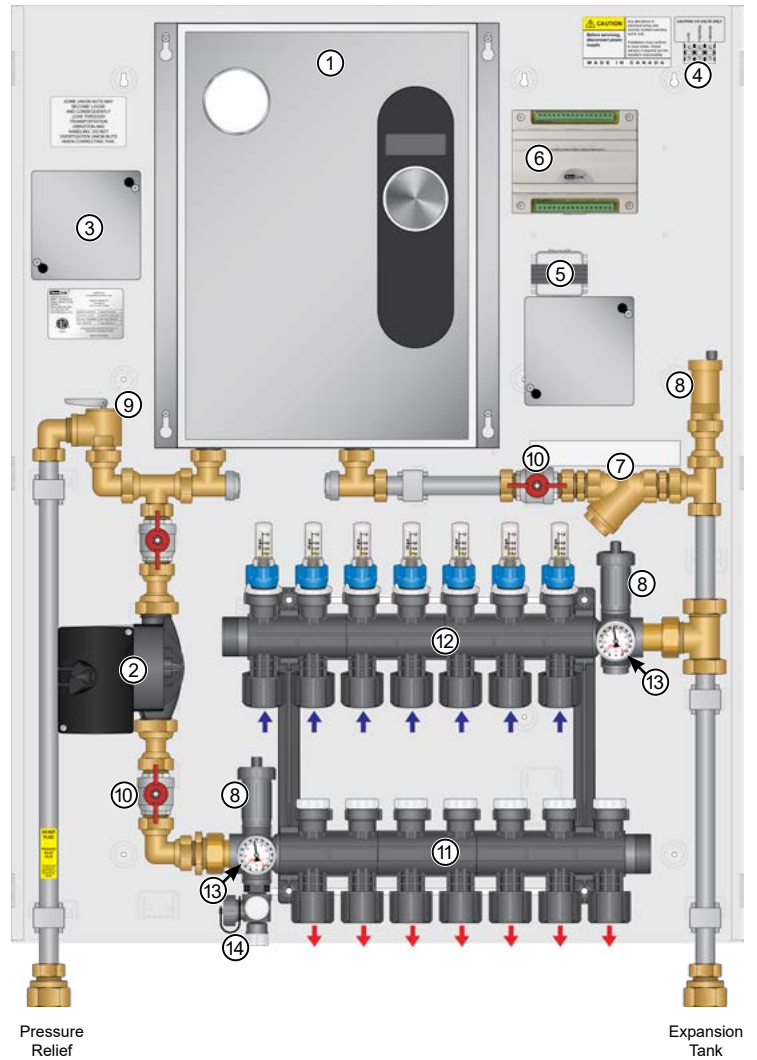
- When there is a call for heat from the thermostat wired to the StatLink® Module, the pump is activated; the electric boiler is then activated via a flow meter and supplies heat based on the user settings.

For complete specifications, see submittal [SUBELBP000TS](#).

Panel Components

- ① Electric Boiler
- ② Primary Pump
- ③ 240Vac Electrical Connection Box
- ④ 120Vac Terminal Block
- ⑤ 24Vac Transformer
- ⑥ StatLink® Module
- ⑦ Strainer
- ⑧ Automatic Air Vent
- ⑨ Pressure Relief Valve
- ⑩ Isolation Valve
- ⑪ Supply Manifold
- ⑫ Return Manifold
- ⑬ Thermometer
- ⑭ Hosebib
- Panel Enclosure (not shown)

ELBP50TS7



Stk#	Description	Pkg Qty	Unit	List Price / Unit
ELBP18TS3	Electric Boiler Panel 18,000BTU with 3 Loop Twist Seal Mini Multiport	1	ea.	\$ 5,727.00
ELBP18TS5	Electric Boiler Panel 18,000BTU with 5 Loop Twist Seal Mini Multiport	1	ea.	\$ 5,944.00
ELBP30TS3	Electric Boiler Panel 30,000BTU with 3 Loop Twist Seal Mini Multiport	1	ea.	\$ 8,957.00
ELBP30TS5	Electric Boiler Panel 30,000BTU with 5 Loop Twist Seal Mini Multiport	1	ea.	\$ 9,014.00
ELBP30TS6	Electric Boiler Panel 30,000BTU with 6 Loop Twist Seal Mini Multiport	1	ea.	\$ 9,283.00
ELBP30TS7	Electric Boiler Panel 30,000BTU with 7 Loop Twist Seal Mini Multiport	1	ea.	\$ 9,395.00
ELBP50TS7	Electric Boiler Panel 50,000BTU with 7 Loop Twist Seal Mini Multiport	1	ea.	\$ 10,001.00

TMP 40/70 MBH 3-Way Mixing Panels Stk# TMP040 & TMP070

The TMP 3-Way Mixing Panel's primary application is as a single zone mixing device where there are no flow requirements in the primary loop.

Intended to be used with DHW tanks as a heat source, the PLC is programmed with a 24hr timer for potable applications. When not used with a DHW tank as a heat source, secondary zoning downstream of the panel is possible.

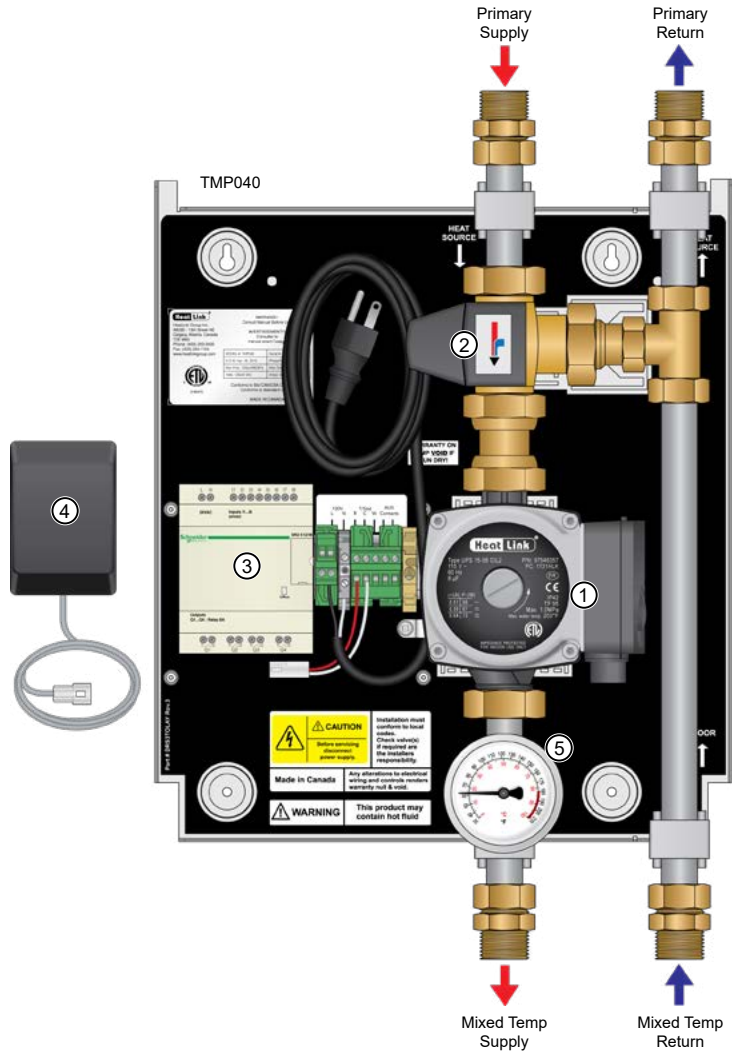
A DHW priority option for these panels is not available.

These panels can also be used as subpanels to provide additional mixed temperature loops.

Sequence of operation:

- When the thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, and the pump turns on.
- As the pump moves fluid through the panel the thermostatic mixing valve adjusts the fluid temperature based on the user settings.
- When the requirements of the thermostat are met, the internal contacts of the thermostat open, the auxiliary contacts open, and the pump stops.
- The pump is activated once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant.

For complete specifications, see submittal [SUBTMP000](#).



Panel Components

- ① Pump
- ② 3-Way Thermostatic Mixing Valve
- ③ PLC Control with 6' Power Cord
 - 24hr Timer for Potable Applications
 - Auxiliary Dry Contacts for Heat Source
 - Thermostat Inputs and Actuator Outputs for 1 Zone
- ④ 24Vac Plug-in Transformer
- ⑤ Thermometer
- ☑ Panel Enclosure (not shown)

Stk#	Description	Pkg Qty	Unit	List Price / Unit
TMP040	TMP 40MBH 3-Way Mixing Panel	1	ea.	\$ 2,952.00
TMP070	TMP 70MBH 3-Way Mixing Panel	1	ea.	\$ 3,268.00

TMP 70 MBH 3-Way Mixing Panel with Zoning

Stk# TMP070Z

The TMP 3-Way Mixing Panel's primary application is as a **multizone** mixing device where there are no flow requirements in the primary loop.

Intended to be used with DHW tanks as a heat source, the PLC is programmed with a 24hr timer for potable applications. The panel has thermostat inputs and actuator outputs for up to four zones (two actuators per zone). When used with a DHW tank as a heat source, secondary zoning downstream of the panel is possible (subject to local codes).

A DHW priority option for this panel is not available.

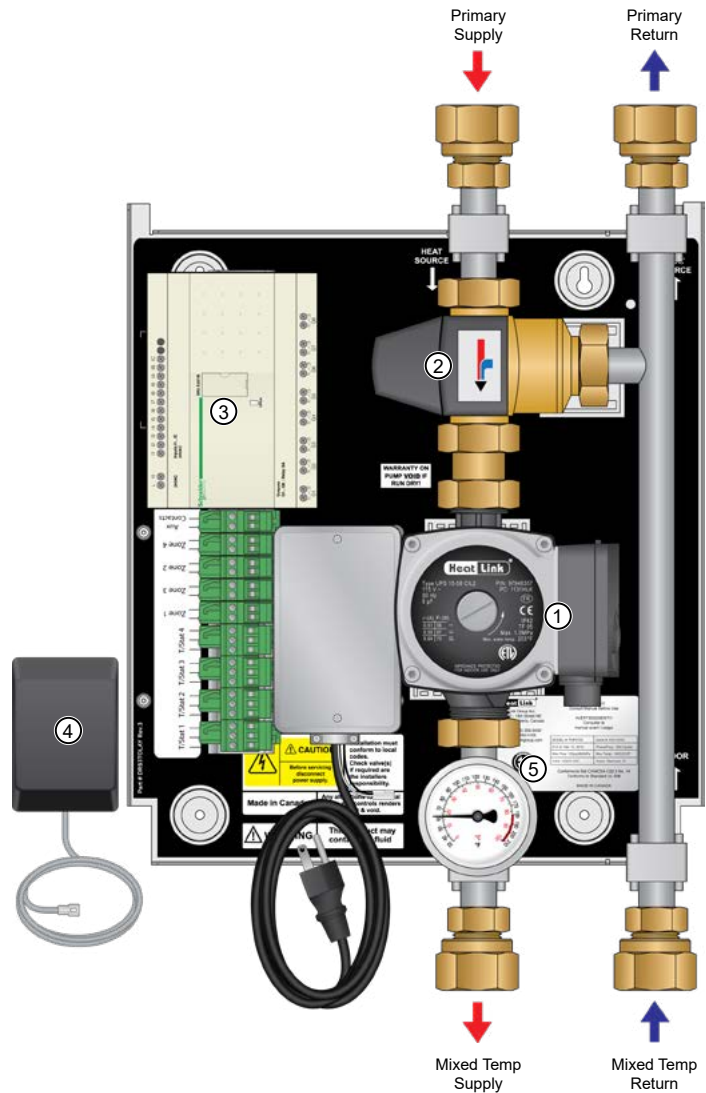
Sequence of operation:

- When a thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, the pump turns on, and its corresponding zone actuator opens.
- As the pump moves fluid through the panel the thermostatic mixing valve adjusts the fluid temperature based on the user settings.
- When the requirements of the thermostat are met, the internal contacts of the thermostat open, the auxiliary contacts open, the pump stops and the zone actuator closes.
- The pump is activated, and all zone actuators open, once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant.

For complete specifications, see submittal [SUBTMP000Z](#).

Panel Components

- ① Pump
- ② 3-Way Thermostatic Mixing Valve
- ③ PLC Control with 6' Power Cord
 - 24hr Timer for Potable Applications
 - Auxiliary Dry Contacts for Heat Source
 - Thermostat Inputs and Actuator Outputs for 4 Zones
- ④ 24Vac Plug-in Transformer
- ⑤ Thermometer
- ☑ Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
TMP070Z	TMP 70MBH 3-Way Mixing Panel with Zoning	1	ea.	\$ 4,578.00

TMP 85 MBH Dual Pump Mixing Panel Stk# TMP085DP

The TMP 3-Way Mixing Panel's primary application is as a single temperature mixing device where there are no flow requirements in the primary loop.

Intended to be used with DHW tanks as a heat source, the PLC is programmed with a 24hr timer for potable applications. The TMP085DP not only allows for higher output, but it is also a 2-zone panel. So even with a DHW heat source, you can now have two radiant floor zones. When not used with a DHW tank as a heat source, secondary zoning downstream of the panel is possible.

A DHW priority option for this panel is not available.

These panels can also be used as subpanels to provide additional mixed temperature loops.

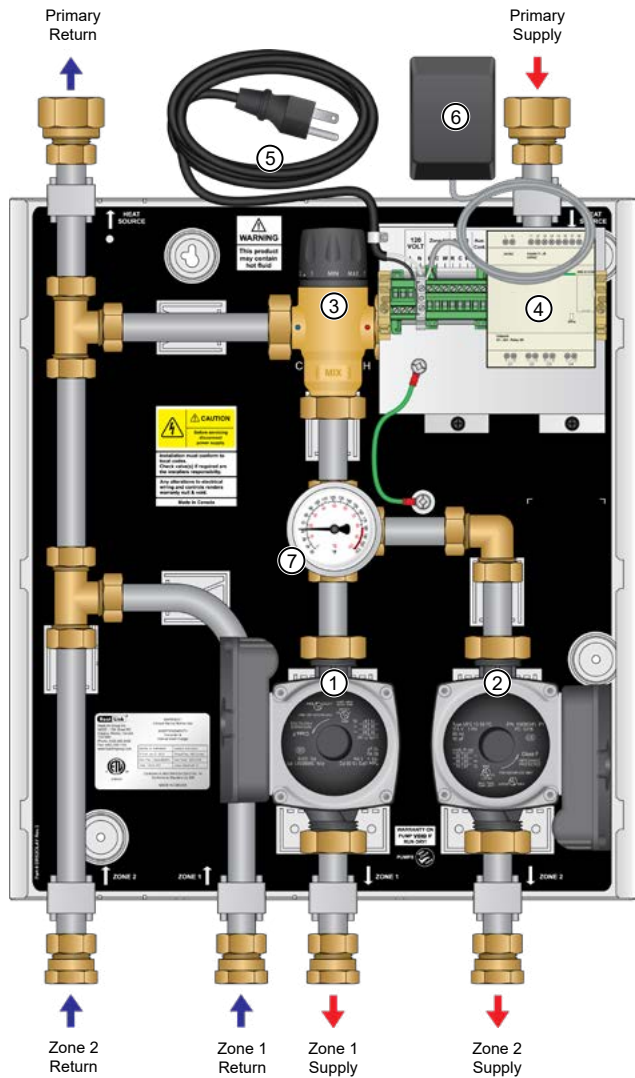
Sequence of operation:

- When the thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, and the appropriate pump turns on.
- As the pump moves fluid through the panel the thermostatic mixing valve adjusts the fluid temperature based on the user settings.
- When the requirements of the thermostat are met, the internal contacts of the thermostat open, the auxiliary contacts open, and the corresponding pump(s) stops.
- The pump is activated once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant.

For complete specifications, see submittal [SUBTMP000DP](#).

Panel Components

- ① Zone 1 Pump with Check Valve
- ② Zone 2 Pump with Check Valve
- ③ 3-Way Thermostatic Mixing Valve
- ④ PLC (Programmable Logic Control)
 - 24hr Timer for Potable Applications
 - Auxiliary Dry Contacts for Heat Source
- ⑤ 120Vac 6' Power Cord
- ⑥ 24Vac Plug-in Transformer
- ⑦ Thermometer
- Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
TMP085DP	TMP 85MBH Dual Pump 3-Way Mixing panel	1	ea.	\$ 4,784.00

TMP-Multi Panels TMP-M Series

The TMP-Multi Panel series all share a primary loop, optional primary pump, two to five secondary circuits, simple electrical wiring, thermometers, and isolation valves on all circuits.

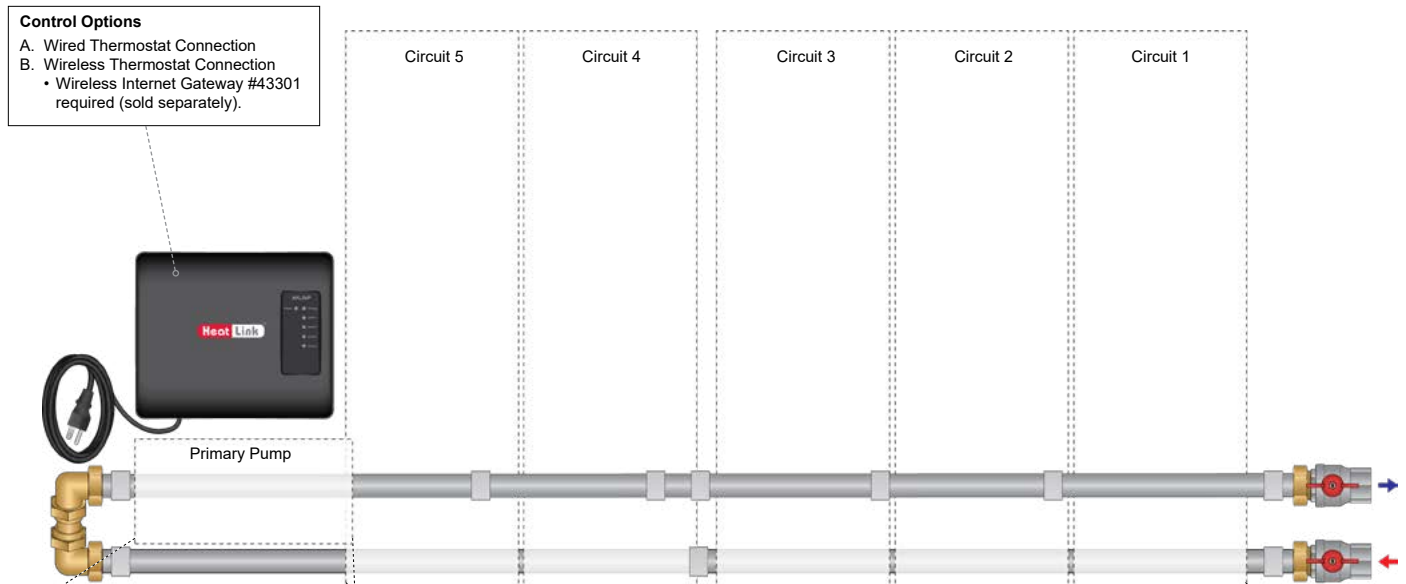
A cover for these panels is not available.

Multiple low temp circuits mean multiple supply water temperatures for different radiant areas. A common example of this is in combination radiant heating systems where basements have a “wet” installation and DryAbove™ or DryBelow™ systems are installed on upper floors.

Add secondary zoning with a StatLink® module and manifold actuators (sold separately).


The flexibility of the TMP-Multi Panels means that this is the only panel you need for your residential or small commercial heating projects.

For complete specifications, see submittal [SUBTMPMulti](#).




Primary Pump Options


A. No pump
 • For boilers with their own pump.




B. UPS 15-58
 • For low flow rate and head loss.
 • 100MBH max. output.



C. UPS 26-99
 • For moderate flow rate and head loss.
 • 300MBH max. output.




D. UPS 26-150
 • For high flow rate and head loss.
 • 300MBH max. output.




Circuit Options


A. DHW Circuit
 • One (1) possible circuit for indirect fired hot water heater with priority.
 • 100MBH max. output.




B. High Temp Circuit
 • Up to two (2) circuits for baseboards, fan coils, etc.
 • 100MBH max. output.



C. Low Temp Circuit with Small TMV
 • Up to five (5) for radiant heating areas.
 • 40MBH max. output.



D. Low Temp Circuit with Large TMV
 • Up to five (5) for radiant heating areas with higher head loss.
 • 70MBH max. output.



Low Temp Circuit sequence of operation:

- A heat demand from the room thermostat will send a heating demand to the Control.
- The Control will turn on the Primary pump (if applicable), Circuit pump, and close the auxiliary contacts.
- As the pump moves fluid through the circuit the thermostatic mixing valve adjusts the fluid temperature based on the user settings.
- When the heat demand is removed, the Circuit pump will stop. If the Circuit is the only one that had a heat demand, the Control will stop the Primary pump and open the auxiliary contacts.

High Temp Circuit sequence of operation:

- A heat demand from the room thermostat will send a heating demand to the Control.
- The Control will turn on the Primary pump (if applicable), Circuit pump, and close the auxiliary contacts.
- When the heat demand is removed, the Circuit pump will stop. If the Circuit is the only one that had a heat demand, the Control will stop the Primary pump and open the auxiliary contacts.

DHW Circuit sequence of operation:

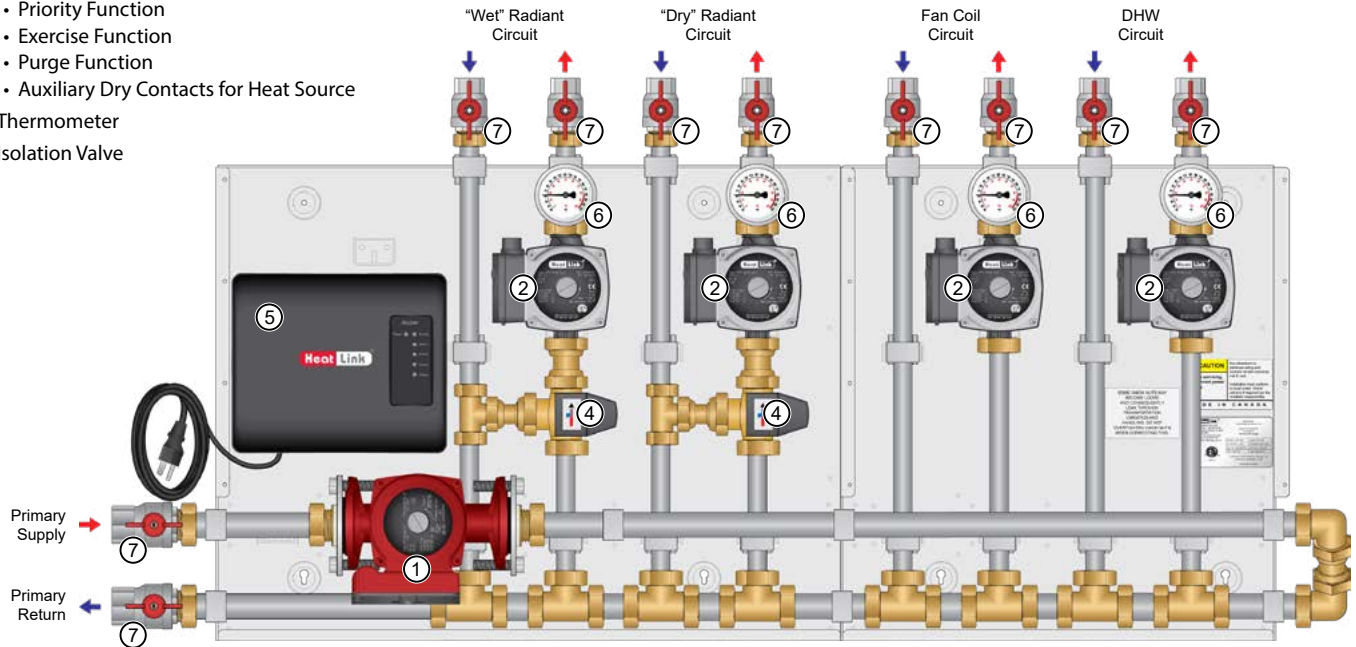
- A demand from the DHW aquastat will send a DHW demand to the Control.
- The Control will turn on the Primary pump (if applicable), Circuit pump, and close the auxiliary contacts.
- The Control will turn off all the other Circuit pump(s) (if running).
- When the DHW demand is removed, the Circuit pump will stop. If the Purge DIP switch is in the On position (default is Off), the Circuit pump will run for 2 minutes. If other circuits are calling for heat, their Circuit pumps will be turned on and the Primary pump will continue to run.

Panel Components

- ① Primary Pump
- ② Circuit Pump
- ③ 3-Way Thermostatic Mixing Valve (Large)
- ④ 3-Way Thermostatic Mixing Valve (Small)
- ⑤ Control with 120Vac 6' Power Cord
 - Priority Function
 - Exercise Function
 - Purge Function
 - Auxiliary Dry Contacts for Heat Source
- ⑥ Thermometer
- ⑦ Isolation Valve

TMP-MP2DHSS

DHW circuit with priority, one high temp circuit (e.g. fan coil), two low temp circuits (e.g. one for "wet" basement and one for "dry" main floor), and UPS 26-99 primary pump, shown with left feed.



Example configurations are listed below.

Download the [TMP-Multi Price Calculator](#) from the website for configuration and pricing.

Stk#	Thermostat		Primary Pump			Secondary Circuits					Pkg Qty	Unit		
	Wired	Wireless	None	15-58	26-99	26-150	DHW Small	DHW Large	High Temp	Low Temp Small			Low Temp Large	
TMP-MW1P0DSS	•		•				•				2		1	ea.
TMP-MW1P2DSS	•				•		•				2		1	ea.
TMP-MW1P0DHSS	•		•						1		2		1	ea.
TMP-MW1P2DHSS	•				•		•		1		2		1	ea.

TWH 70 MBH Tankless Water Heater Mixing Panels with Optional DHW Priority Stk# TWH070P & TWH070XP

The TWH Tankless Water Heater Mixing Panel's primary application is as a single zone mixing device for tankless DHW heaters.

The TWH070XP has a UPS 26-99 primary pump and is designed for applications where there is an extremely high flow resistance in the heat source.

The panel is pre-wired to work with an optional DHW priority switch which is mounted outside the panel.

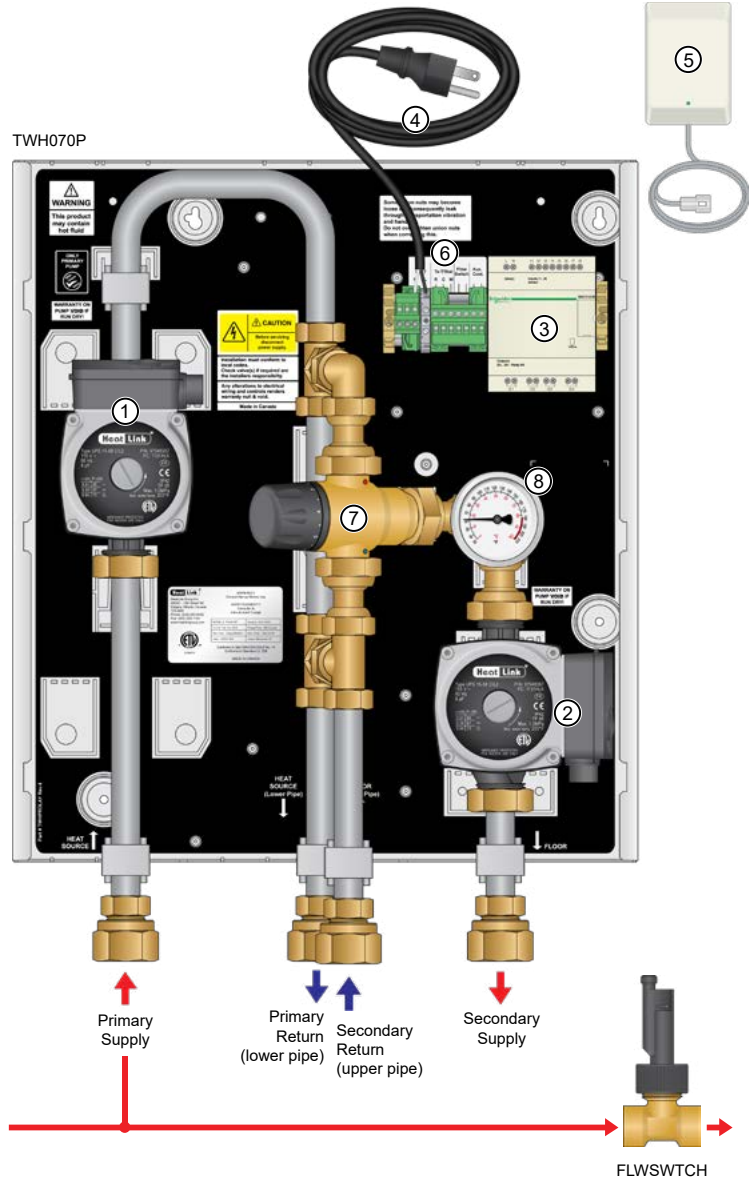
Sequence of operation:

- When a thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, and both pumps turn on.
- As the pumps move fluid through the panel the thermostatic mixing valve adjusts the fluid temperature based on the user settings.
- When the requirements of the thermostat are met, the internal contacts of the thermostat open, the auxiliary contacts open, and the pumps stop.
- Both the primary and secondary pumps are activated once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant.
- If the optional DHW priority flow switch is installed and the DHW flow is above the factory setting for this device, the primary pump stops and the auxiliary contacts open. When the DHW flow drops below the factory setting the panel resumes normal operation.

For complete specifications, see submittal [SUBTWH000P](#) and [SUBFLWSWTCH](#).

Panel Components

- ① Primary Pump with Check Valve
- ② Secondary Pump
- ③ PLC (Programmable Logic Control)
 - 24hr Timer for Potable Application
 - Auxiliary Dry Contacts for Heat Source
- ④ 120Vac 6' Power Cord
- ⑤ 24Vac Plug-in Transformer
- ⑥ Terminal Block
- ⑦ 3-Way Thermostatic Mixing Valve
- ⑧ Thermometer
- Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
TWH070P	TWH 70MBH Tankless Water Heater Mixing Panel (DHW Priority Opt)	1	ea.	\$ 4,537.00
TWH070XP	TWH 70MBH HH Tankless Water Heater Mixing Panel (DHW Priority Opt)	1	ea.	\$ 6,525.00
FLWSWTCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 336.27

TWH 70 MBH Tankless Water Heater Mixing Panels with Zoning Stk# TWH070Z & TWH070XPZ

The TWH Tankless Water Heater Mixing Panel's primary application is as a **multizone** mixing device for tankless DHW heaters.

The TWH070XPZ has a UPS 26-99 primary pump and is designed for applications where there is an extremely high flow resistance in the heat source.

The panel is pre-wired to work with an optional DHW priority switch which is mounted outside the panel.

Sequence of operation:

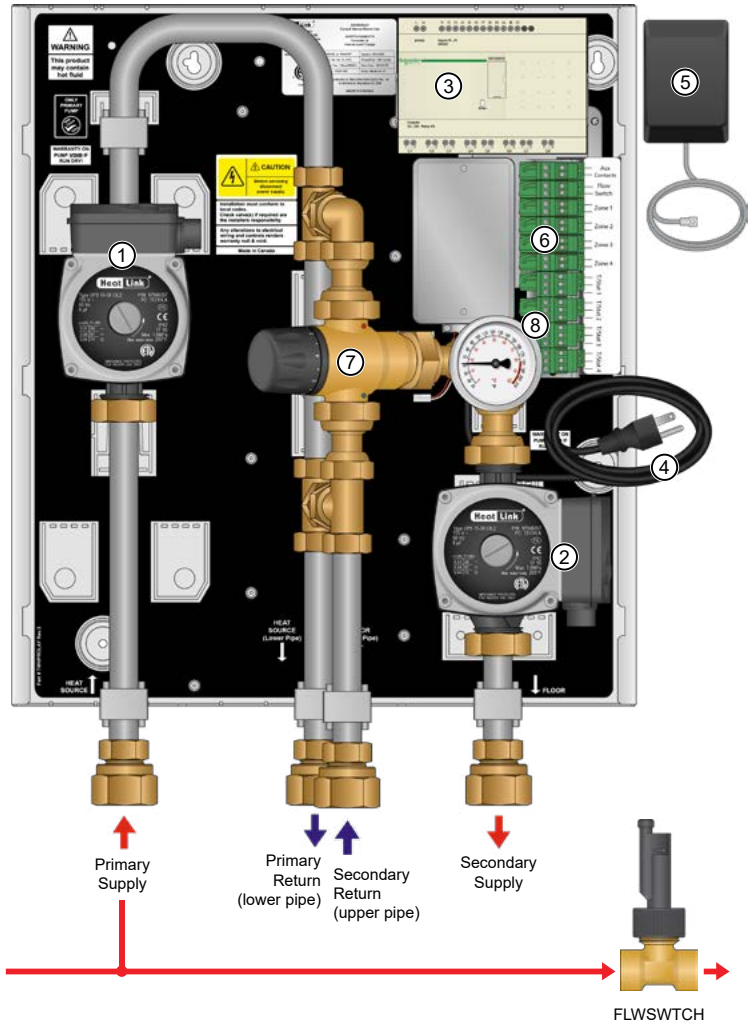
- When a thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, both pumps turn on, and its corresponding zone actuator opens.
- As the pump moves fluid through the panel the thermostatic mixing valve adjusts the fluid temperature based on the user settings.
- When the requirements of the thermostat are met, the internal contacts of the thermostat are met, and the corresponding zone actuator closes. If no other thermostats are calling for heat, the auxiliary contacts open, and the pumps stop.
- Both the primary and secondary pumps are activated, and all zone actuators open, once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant.

For complete specifications, see submittal [SUBTWH000Z](#).

Panel Components

- ① Primary Pump with Check Valve
- ② Secondary Pump
- ③ PLC (Programmable Logic Control)
 - 24hr Timer for Potable Application
 - Auxiliary Dry Contacts for Heat Source
 - Thermostat Inputs and Actuator Outputs for 4 Zones
- ④ 120Vac 6' Power Cord
- ⑤ 24Vac Plug-in Transformer
- ⑥ Terminal Block
- ⑦ 3-Way Thermostatic Mixing Valve
- ⑧ Thermometer
- Panel Enclosure (not shown)

TWH070Z



Stk#	Description	Pkg Qty	Unit	List Price / Unit
TWH070Z	TWH 70MBH Tankless Water Heater Mixing Panel with Zoning	1	ea.	\$ 5,156.00
TWH070XPZ	TWH 70MBH High Head Tankless Water Heater Mixing Panel with Zoning	1	ea.	\$ 7,246.00
FLWSWCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 336.27

HEP Isolation Heat Exchanger Panels HEP Series

The main application of the HEP Isolation Heat Exchanger Panel is to provide single wall isolation between a DHW tank and a heating system. This panel is *not* a temperature control device. The secondary water temperature is wholly dependent on the temperature of the primary supply water.

The panel is pre-wired to work with an optional DHW priority switch which is mounted outside the panel.

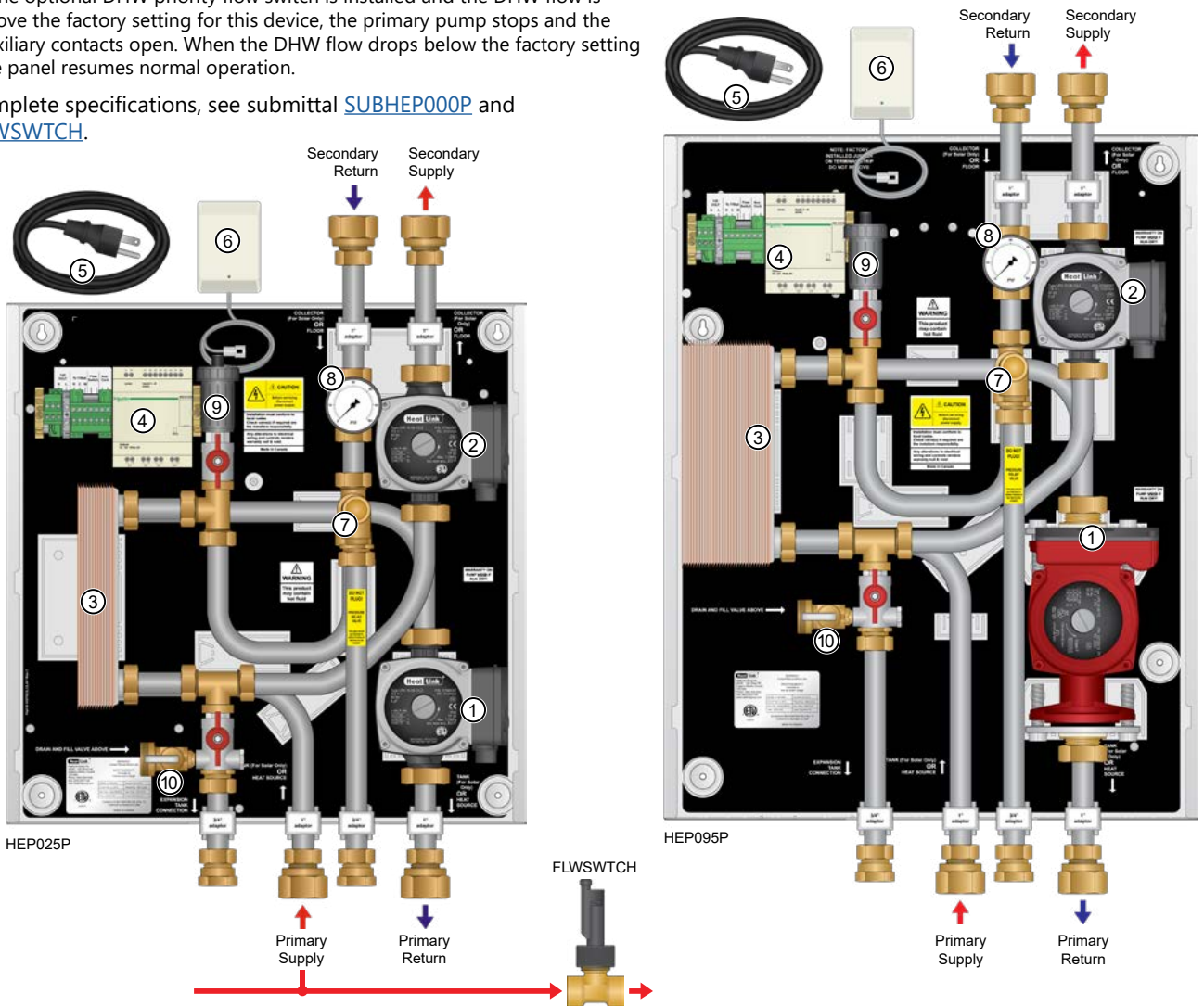
Sequence of operation:

- When a thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, and both pumps turn on.
- When the requirements of the thermostat are met, the internal contacts of the thermostat open, the auxiliary contacts open, and the pumps stop.
- Both the primary and secondary pumps are activated once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant.
- If the optional DHW priority flow switch is installed and the DHW flow is above the factory setting for this device, the primary pump stops and the auxiliary contacts open. When the DHW flow drops below the factory setting the panel resumes normal operation.

For complete specifications, see submittal [SUBHEP000P](#) and [SUBFLWSWTC](#).

Panel Components

- ① Primary Pump
- ② Secondary Pump
- ③ Brazed Plate Heat Exchanger
- ④ PLC (Programmable Logic Control)
 - 24hr Timer for Potable Applications
- ⑤ 120Vac 6' Power Cord
- ⑥ 24Vac Plug-in Transformer
- ⑦ Pressure Relief Valve
- ⑧ Pressure Gauge
- ⑨ Automatic Air Vent
- ⑩ Drain and Fill Valve
- Panel Enclosure (not shown)



HEP25P

HEP095P

FLWSWTC

Stk#	Description	Pkg Qty	Unit	List Price / Unit
HEP025P	HEP 25MBH Isolation Heat Exchanger Panel	1	ea.	\$ 5,735.00
HEP080P	HEP 80MBH Isolation Heat Exchanger Panel	1	ea.	\$ 6,234.00
HEP095P	HEP 95MBH Isolation Heat Exchanger Panel	1	ea.	\$ 8,576.00
FLWSWTC	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 336.27

HEP Isolation Heat Exchanger Panels w/ Relays HEP-R Series

The main application of the HEP Isolation Heat Exchanger Panel is to provide single wall isolation between a DHW tank and a heating system *where a 24hr timer is not required*. This panel is *not* a temperature control device; the secondary water temperature is dependent on the primary water temperature.

The panel is pre-wired to work with an optional DHW priority switch which is mounted outside the panel.

A cover for this panel is sold separately.

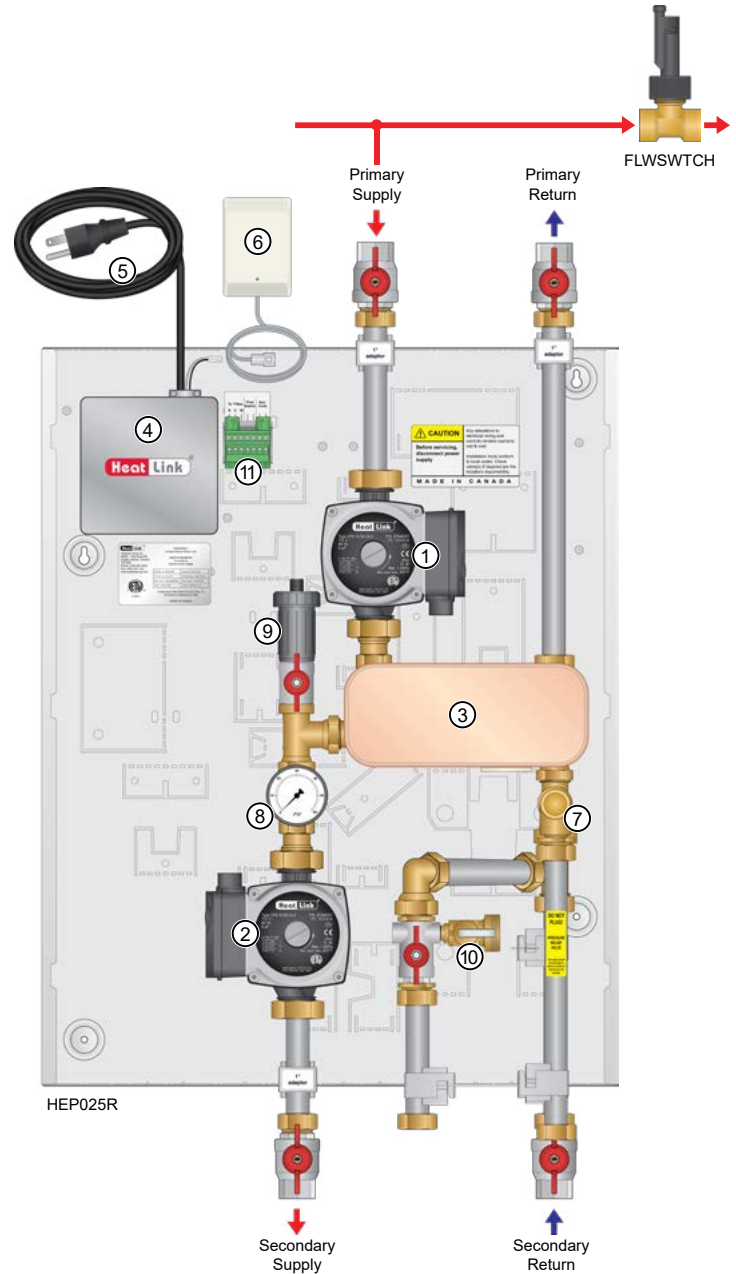
Sequence of operation:

- When a thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, and both pumps turn on.
- When the requirements of the thermostat are met, the internal contacts of the thermostat open, the auxiliary contacts open, and the pumps stop.
- If the optional DHW priority flow switch is installed and the DHW flow is above the factory setting for this device, the primary pump stops and the auxiliary contacts open. When the DHW flow drops below the factory setting the panel resumes normal operation.

For complete specifications, see submittal [SUBHEP000R](#) and [SUBFLWSWTCH](#).

Panel Components

- ① Primary Pump
- ② Secondary Pump
- ③ Brazed Plate Heat Exchanger
- ④ Relay Box
- ⑤ 120Vac 6' Power Cord
- ⑥ 24Vac Plug-in Transformer
- ⑦ Pressure Relief Valve
- ⑧ Pressure Gauge
- ⑨ Automatic Air Vent
- ⑩ Drain and Fill Valve
- ⑪ Terminal Block



Stk#	Description	Pkg Qty	Unit	List Price / Unit
HEP025R	HEP 25MBH Isolation Heat Exchanger Panel Lite	1	ea.	\$ 4,188.00
PC2319CVR	Powder Coated Cover 23"x19" for HEP025/80R/T/DP,3WMIX,4WMIX	1	ea.	\$ 362.06
FLWSWTCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 336.27

HEP Isolation Heat Exchanger Panels w/ Relays and Timer HEP-RT Series

The main application of the HEP Isolation Heat Exchanger Panel with Timer is to provide single wall isolation between a DHW tank and a heating system *where a 24hr timer is required*. This panel is *not* a temperature control device; the secondary water temperature is dependent on the primary water temperature.

The dual pump models are 2-zone panels.

The panel is pre-wired to work with an optional DHW priority switch which is mounted outside the panel.

A cover for these panels is sold separately.

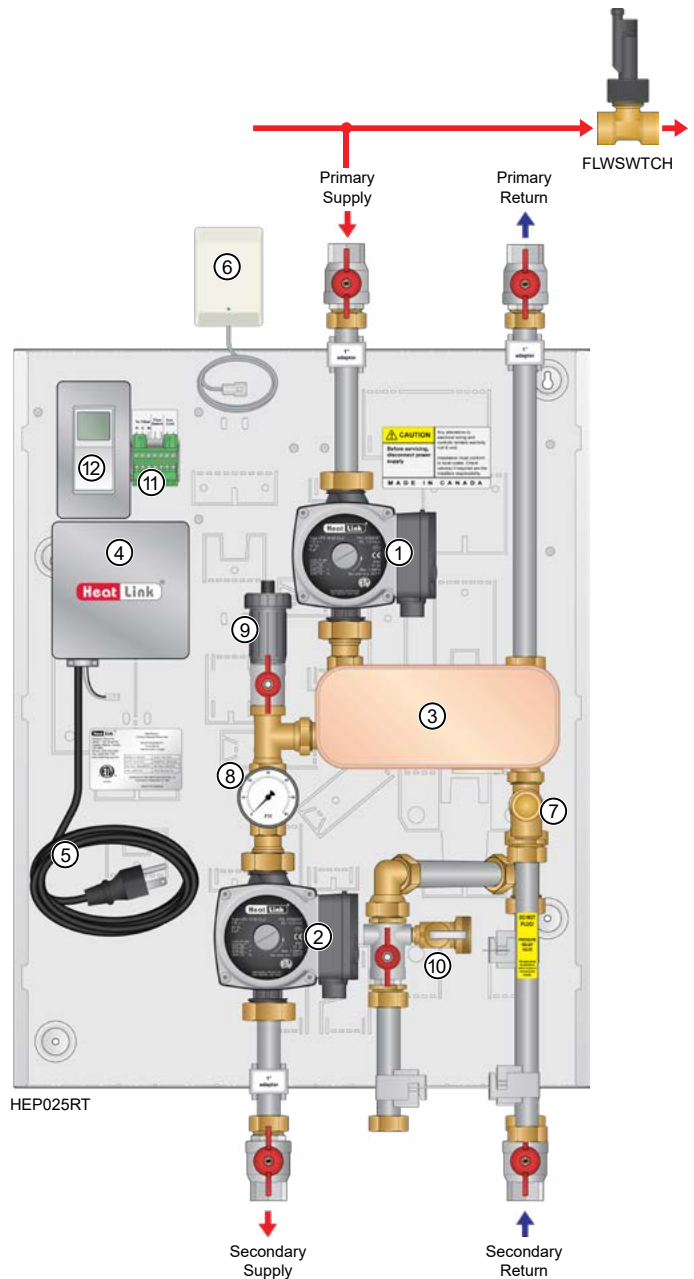
Sequence of operation:

- When a thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, and both pumps turn on.
- When the requirements of the thermostat are met, the internal contacts of the thermostat open, the auxiliary contacts open, and the pumps stop.
- Both the primary and secondary pumps are activated once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant.
- If the optional DHW priority flow switch is installed and the DHW flow is above the factory setting for this device, the primary pump stops and the auxiliary contacts open. When the DHW flow drops below the factory setting the panel resumes normal operation.

For complete specifications, see submittal [SUBHEP000RT](#) and [SUBFLWSWTCH](#).

Panel Components

- ① Primary Pump
- ② Secondary Pump
- ③ Brazed Plate Heat Exchanger
- ④ Relay Box
- ⑤ 120Vac 6' Power Cord
- ⑥ 24Vac Plug-in Transformer
- ⑦ Pressure Relief Valve
- ⑧ Pressure Gauge
- ⑨ Automatic Air Vent
- ⑩ Drain and Fill Valve
- ⑪ Terminal Block
- ⑫ 24hr Timer



Stk#	Description	Pkg Qty	Unit	List Price / Unit
HEP025RT	HEP 25MBH Isolation Heat Exchanger Panel Lite w/Timer	1	ea.	\$ 4,408.00
HEP080RT	HEP 80MBH Isolation Heat Exchanger Panel Lite w/Timer	1	ea.	\$ 4,683.00
HEP025RTDP	HEP 25MBH Isolation Heat Exchange Panel Dual Pump w/Timer	1	ea.	\$ 5,432.00
HEP080RTDP	HEP 80MBH Isolation Heat Exchange Panel Dual Pump w/Timer	1	ea.	\$ 5,893.00
PC2319CVR	Powder Coated Cover 23"x19" for HEP025/80R/T/DP,3WMIX,4WMIX	1	ea.	\$ 362.06
FLWSWTCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 336.27

Advantages

- Pre-engineered solutions reduce design and quotation time.
- Reliable (ETL listed, UL 508, CSA standard), exceeds highest quality standards, with multiple test procedures for electrical and mechanical system components.
- Eliminate on-site design and reduced risk of on-site errors.
- Known cost; fewer surprises.
- Reduced installation times; time is money!
- Trouble-free start-ups every time!
- Fewer call-backs.
- Compact and aesthetically pleasing.
- Easily serviced and replaceable.
- Covered by a single warranty.

Commercial Panel Selection

These panels are intended for use in commercial, industrial, or institutional buildings.

SSP Series Panels are distribution panels with their own pump to supply radiant areas that use the same supply water temperature. Typical applications include radiant heating in conjunction with a 3WMIX or 4WMIX mixing panel, radiant cooling, and snow melting.

SST Series Panels are distribution panels with their own pump and mixing valve to supply radiant areas that each need a different supply water temperature. Typical applications include radiant heating and snow melting.

3WMIX and 4WMIX Series Panels are mixing panels that control the radiant system supply water temperature.

To select the panel that will work best for your system installation use the tables and definitions below. For additional assistance contact our technical or product support team.

Pg#	Panel Stk#	Application			Space for Meter			Secondary Pump			Mixing/Diverting Valve					Heating Control				Heating Manifold
		Metering	Radiant	High Temp	DCW	DHW	BTU	UPS 15-58	UPS 26-99	UPS 26-150	TWV Cv=1.9	3-way Cv=3.25	3-way Cv=7.3	3-way Cv=18.7	4-way Cv=18.7	StatLink®	Outdoor Reset	BMS Contacts	Snow Melt	
111	Metering Series	•	opt	opt	opt	opt	opt									opt				opt
113	SSPS Series		• ¹	• ¹				•								opt		opt		•
113	SSPL Series		• ¹	• ¹				•								opt		opt		•
114	SSTV Series		•					•			•					opt		opt		•
115	SSTS Series		•					•			•					opt		opt	opt	•
116	SSTM Series		•					•			•					opt	opt	opt	opt	•
117	SSTL Series		•					•			•					opt	opt	opt	opt	•
121	3WMIX-360		•					•						•			•			
121	3WMIXHH-360		•					•						•			•			
122	3WMIX-BMS		•					•						•				•		
122	3WMIXHH-BMS		•					•						•				•		
123	4WMIX-360		•					•						•			•			
123	4WMIXHH-360		•					•						•			•			
124	4WMIX-BMS		•					•						•				•		
124	4WMIXHH-BMS		•					•						•				•		

Notes

1. Heating can be either Radiant or High Temp (e.g. baseboard).

Metering Panels

Many multi-unit buildings adopt a shared cost approach to utilities, simply because usage is metered for the entire building. Water and energy conservation is difficult when usage is unknown. Some unit owners may be paying more for what they use, and some owners may pay less.

The HeatLink Metering Panels enable developers to install hot and cold water (DHW & DCW) meters, and thermal (BTU) meters for each building unit. Each unit can then be charged and pay according to their actual water and energy usage.

There are several available models. Each panel can include:

- Recessed housing with coin/screwdriver locks.
- Stainless steel manifold for heating.
- Pre-wired 24Vac transformer.
- StatLink® Module.
- Space for DCW and DHW meters.
- Space for thermal meter.
- Isolation valves.
- Auto or manual flow balancing valve.
- Strainer.

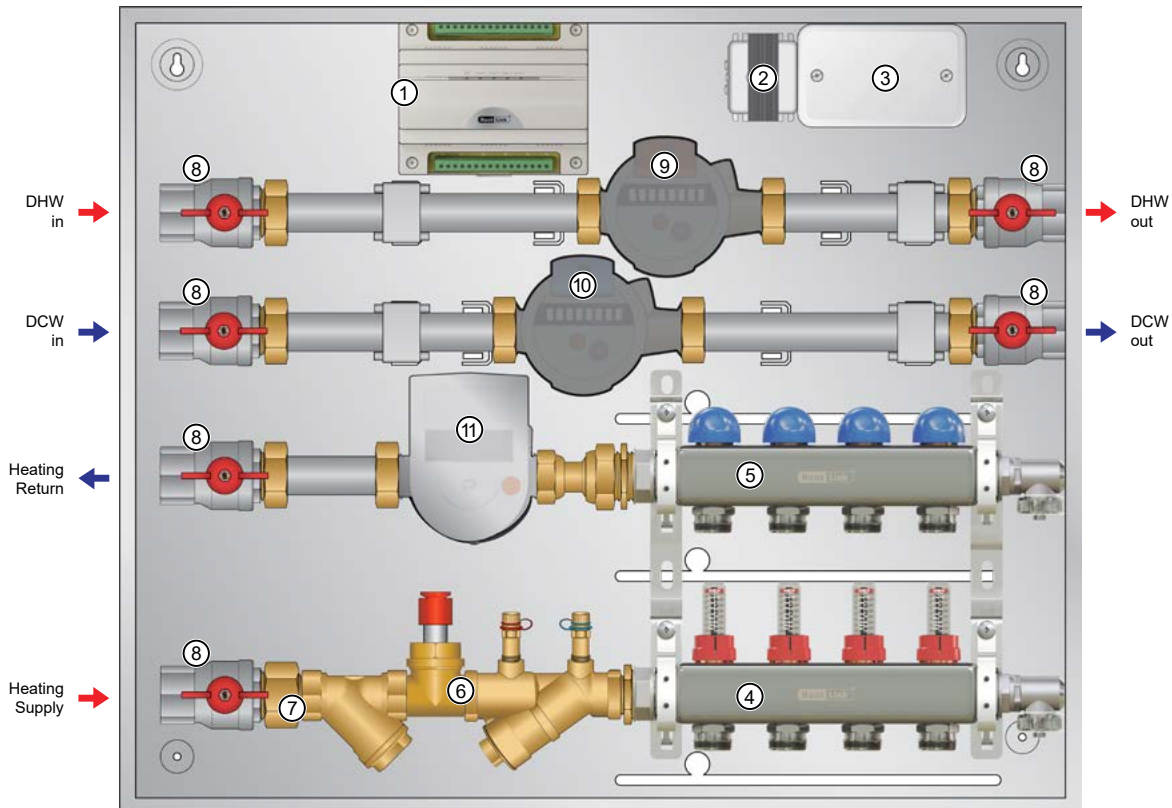
With the addition of thermostats and actuators, the manifold provides an easy way to zone hydronic heating systems. Panels are shipped with spool pieces as placeholders for third party supplied water and thermal meters.

PEX to manifold connectors are sold separately.

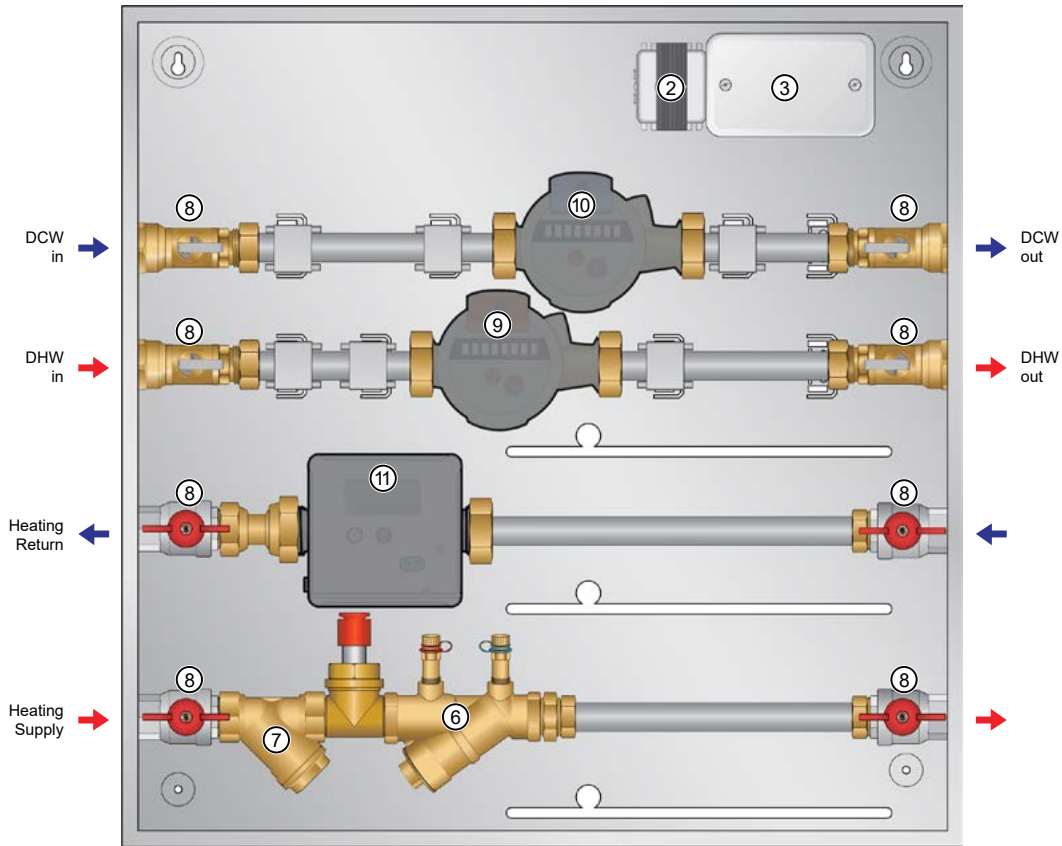
Please contact your local representative for a project quotation and technical specifications.

Panel Components

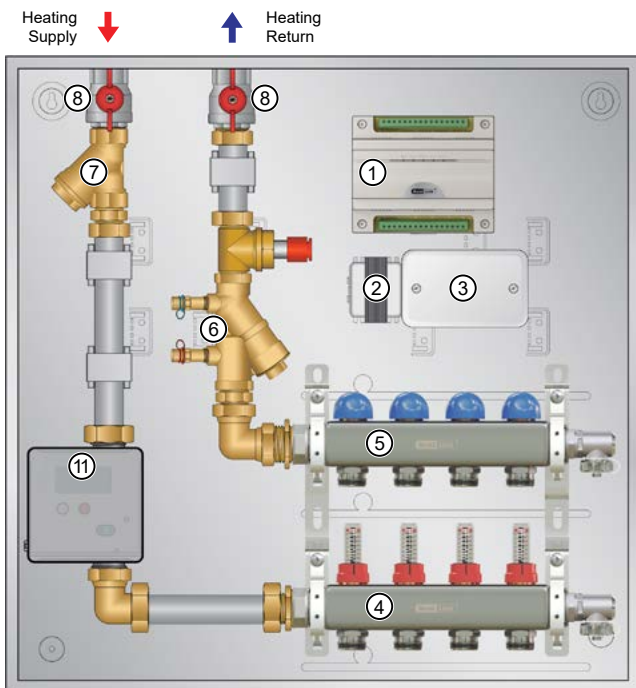
- ① StatLink® Module (optional)
- ② 24Vac Transformer
- ③ 120Vac Junction Box
- ④ Heating Supply Manifold
- ⑤ Heating Return Manifold
- ⑥ Auto Flow Balancing Valve
- ⑦ Y Strainer
- ⑧ Isolation Valve
- ⑨ Hot Water Meter (Not Included - Shown for reference only)
- ⑩ Cold Water Meter (Not Included - Shown for reference only)
- ⑪ BTU Meter (Not Included - Shown for reference only)
- Panel Cover (not shown)



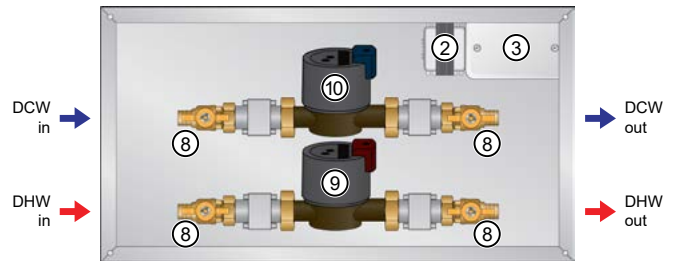
DHW, DCW, and BTU Metering with Manifold



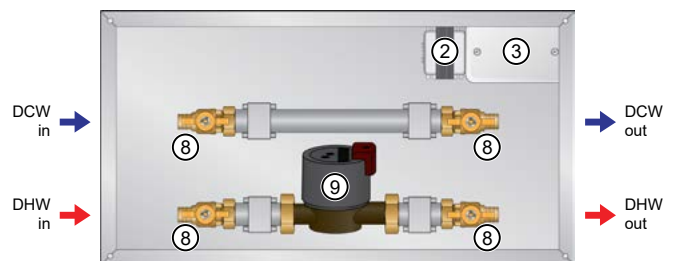
DHW, DCW, and BTU Metering



BTU Metering Top Feed Configuration



DHW and DCW Metering



DHW Metering

Stainless Steel Manifold Pump Panels SSP Series

SSP series panels are distribution panels with their own pump to supply radiant areas that use the same supply water temperature. Typical applications include radiant heating in conjunction with a 3WMIX or 4WMIX mixing panel, radiant cooling, and snow melting.

Base components:

- Pre-wired UPS 15-58 or UPS 26-99 pump.
- Top or bottom mains feed available.
- Isolation valves.
- Thermometer.

Housing options:

Visible parts made of satin coated steel are ready to paint without priming. Recessed enclosure depth allows for mounting in a 2×6 wall. One key lock and one or two coin locks.

- Recessed made of satin/galvanized steel.
- Recessed made of stainless steel.
- Extended height recessed made of satin/galvanized steel.
- Extended height recessed made of stainless steel.
- Surface mount made of satin/galvanized steel (skirting by others).
- Surface mount made of stainless steel (skirting by others).
- Extended height surface mount made of satin/galvanized steel.
- Extended height surface mount made of stainless steel.

Manifold options:

- 75100 series SS Manifold with Flow Meters
- 75200 series High Flow SS Manifold.

of loops options:

One loop is closed and plugged with manifold caps (#77100) unless all loops in use.

- 4, 6, 8, 10, or 12 loops.

Control options:

- Pump contacts.
- StatLink® (#40414) with pump relay (thermostats').
- Optional - Actuator with LED (#56201) installed on manifold and wired to StatLink®.

Manifold add-ons:

- Pressure activated bypass (#76945).
- Side mount automatic air vent (#76944).

See [page 118](#) for configuration details.

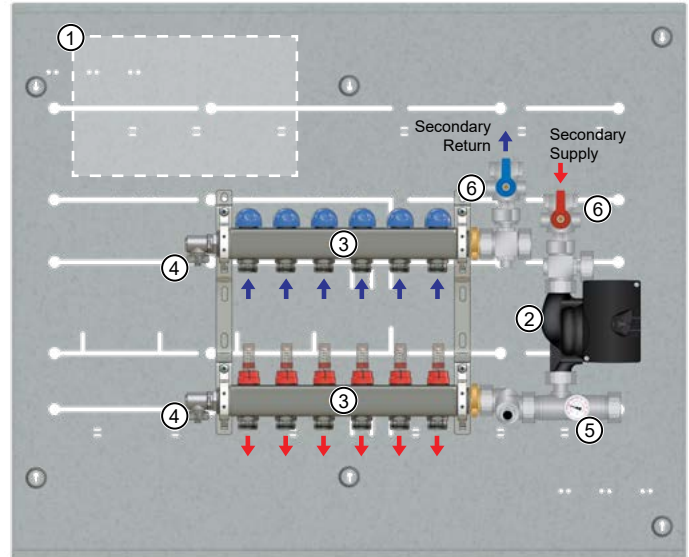
PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUBSSP](#).

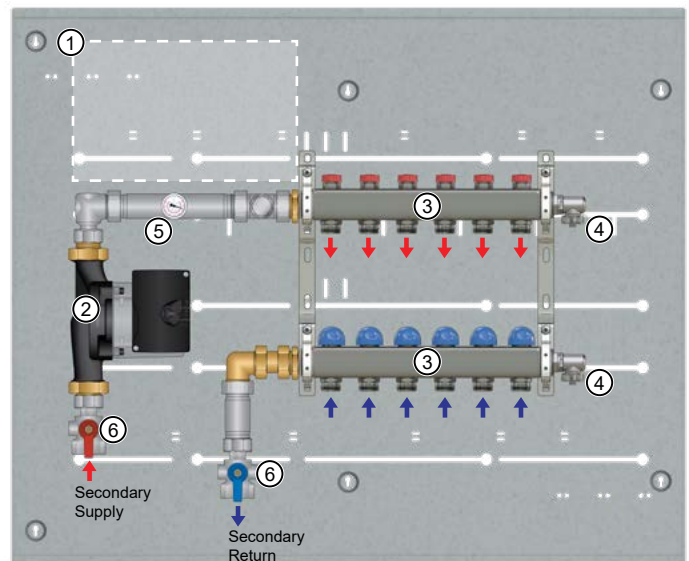
1. Thermostats are sold separately.

Components

- | | |
|---------------------|-----------------------|
| ① Controls location | ④ Hosebib |
| ② Pump | ⑤ Thermometer |
| ③ Manifold | ⑥ 1" FNPT Ball Valves |



SSPS with UPS 15-58 pump, 75106 manifold, top feed mains.



SSPL with UPS 26-99 pump, 75206 manifold, bottom feed mains.

Stainless Steel Manifold Mixing Panels with Thermostatic Mixing Valve SSTV Series

SSTV series panels are distribution panels with their own pump and thermostatic mixing valve to supply radiant areas that each need a different supply water temperature. Typical applications include radiant heating.

Base components:

- Pre-wired UPS 15-58 pump.
- Thermostatic mixing valve.
- Top or bottom mains feed available.
- Isolation valves.
- Thermometer.

Housing options:

Visible parts made of satin coated steel are ready to paint without priming. Recessed enclosure depth allows for mounting in a 2x6 wall. One key lock and one or two coin locks.

- Recessed made of satin/galvanized steel.
- Recessed made of stainless steel.
- Extended height recessed made of satin/galvanized steel.
- Extended height recessed made of stainless steel.
- Surface mount made of satin/galvanized steel (skirting by others).
- Surface mount made of stainless steel (skirting by others).
- Extended height surface mount made of satin/galvanized steel.
- Extended height surface mount made of stainless steel.

Manifold options:

- 75100 series SS Manifold with Flow Meters.
- 75200 series High Flow SS Manifold.¹

of loops options:

One loop is closed and plugged with manifold caps (#77100) unless all loops in use.

- 4, 6, 8, 10, or 12 loops.¹

Manifold add-ons:

- Pressure activated bypass (#76945).
- Side mount automatic air vent (#76944).

Control options:

- Pump contacts.
- StatLink® (#40414) with pump relay (thermostats²).
- Optional - Actuator with LED (#56201) installed on manifold and wired to StatLink®.

See [page 118](#) for configuration details.

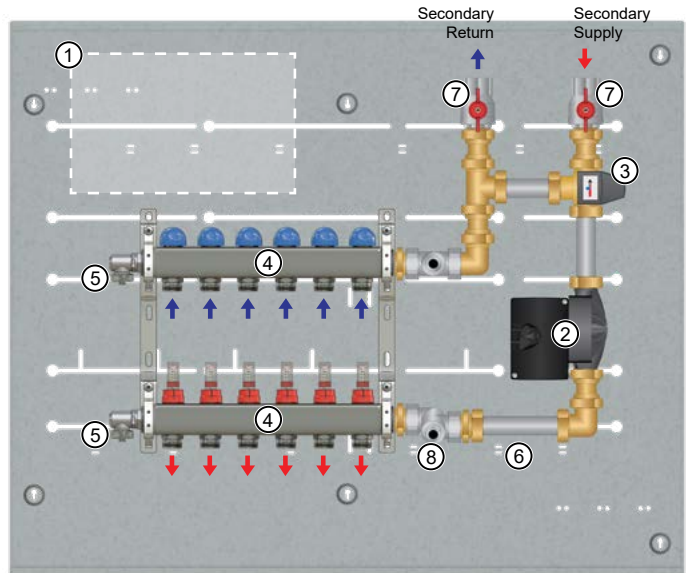
PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUBSST](#).

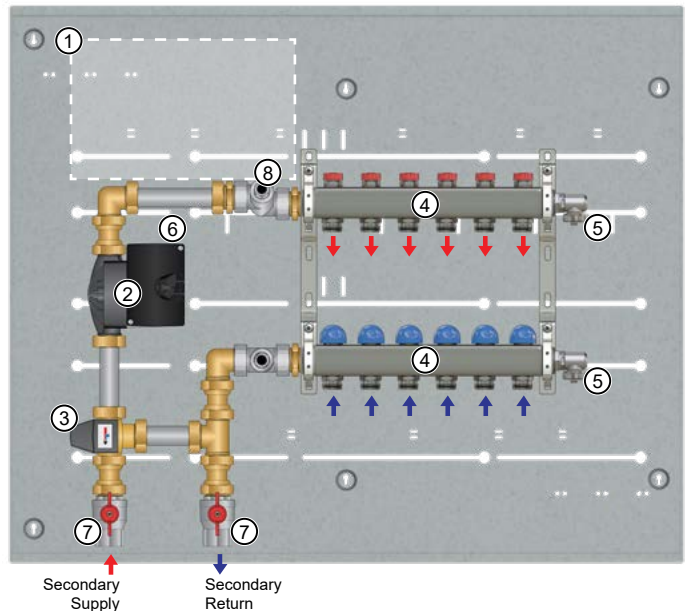
1. Maximum of 6 loops for the 75200 series High Flow SS Manifold.
2. Thermostats are sold separately.

Components

- | | |
|---------------------|---|
| ① Controls location | ⑥ Thermometer |
| ② Pump | ⑦ 1" FNPT Ball Valves |
| ③ Mixing valve | ⑧ Sensor Well (when applicable controls selected) |
| ④ Manifold | |
| ⑤ Hosebib | |



SSTV with UPS 15-58 pump, 75106 manifold, top feed mains.



SSTV with UPS 15-58 pump, 75206 manifold, bottom feed mains.

Stainless Steel Manifold Mixing Panels with Small Pump SSTS Series

SSTS series panels are distribution panels with their own pump and mixing valve to supply radiant areas that each need a different supply water temperature. Typical applications include radiant heating and snow melting.

Base components:

- Pre-wired UPS 15-58 pump.
- 3-way mixing valve.
- Top or bottom mains feed available.
- Isolation valves.
- Thermometer.

Housing options:

Visible parts made of satin coated steel are ready to paint without priming. Recessed enclosure depth allows for mounting in a 2x6 wall. One key lock and one or two coin locks.

- Recessed made of satin/galvanized steel.
- Recessed made of stainless steel.
- Extended height recessed made of satin/galvanized steel.
- Extended height recessed made of stainless steel.
- Surface mount made of satin/galvanized steel (skirting by others).
- Surface mount made of stainless steel (skirting by others).
- Extended height surface mount made of satin/galvanized steel.
- Extended height surface mount made of stainless steel.

Manifold options:

- 75100 series SS Manifold with Flow Meters.
- 75200 series High Flow SS Manifold.

of loops options:

One loop is closed and plugged with manifold caps (#77100) unless all loops in use.

- 4, 6, 8, 10, or 12 loops.

Manifold add-ons:

- Pressure activated bypass (#76945).
- Side mount automatic air vent (#76944).

Control options:

- Pump contacts with Thermostatic Head (#57094).
- BMS wiring (sensors by others) with DDC actuator (#56121).
- BMS pump relay (sensors by others) with DDC actuator (#56121).
- BMS wiring (sensors by others) with DDC actuator (#56121) and StatLink® (thermostats¹).
- Optional - Actuator with LED (#56201) installed on manifold and wired to StatLink®.
- StatLink® (#40414) with pump relay (thermostats¹) and Thermostatic Head (#57094).
- Optional - Actuator with LED (#56201) installed on manifold and wired to StatLink®.
- Snow melt control (#30654).^{2,3}
- Snow melt control with BACnet (#31680).^{2,3}

See [page 118](#) for configuration details.

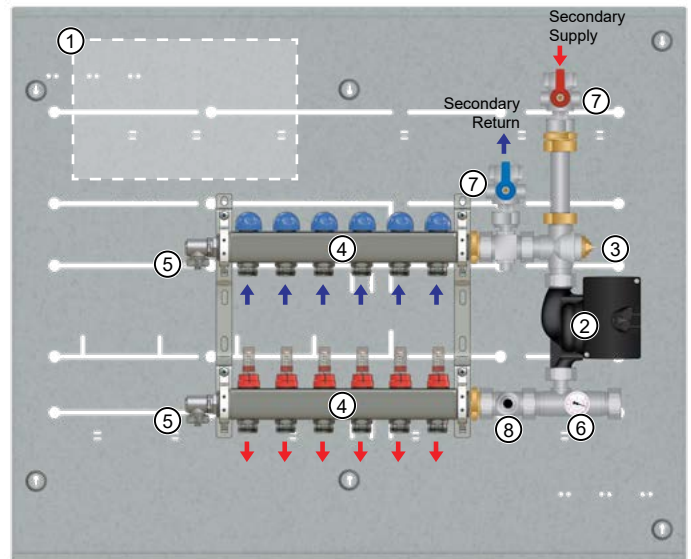
PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUBSST](#).

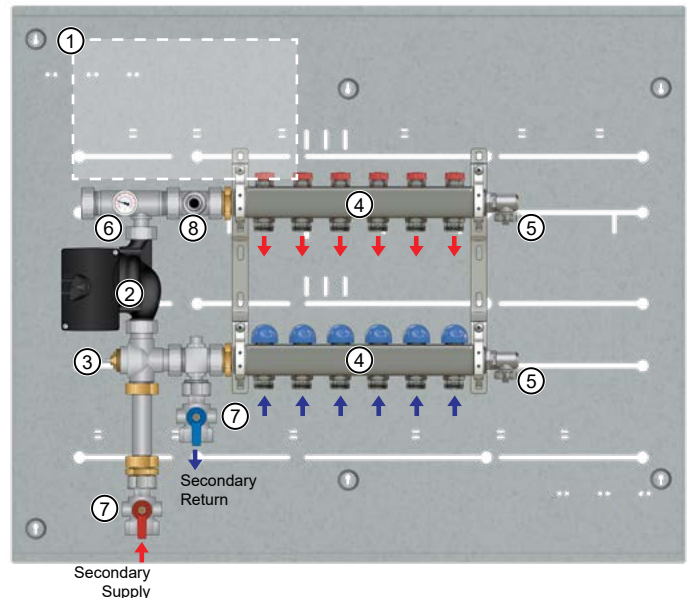
1. Thermostats are sold separately.
 2. 75200 series manifold only up to 6 loops.
 3. Snow melt controls only available with 75200 series manifolds. Snow/Ice Detector 30090/91 sold separately.

Components

- | | |
|---------------------|---|
| ① Controls location | ⑥ Thermometer |
| ② Pump | ⑦ 1" FNPT Ball Valves |
| ③ Mixing valve | ⑧ Sensor Well (when applicable controls selected) |
| ④ Manifold | |
| ⑤ Hosebib | |



SSTS with UPS 15-58 pump, 75106 manifold, top feed mains.



SSTS with UPS 15-58 pump, 75206 manifold, bottom feed mains.

Stainless Steel Manifold Mixing Panels with Small Pump SSTM Series

SSTM Series Panels are distribution panels with their own pump and mixing valve to supply radiant areas that each need a different supply water temperature. Typical applications include radiant heating and snow melting.

Base components:

- Pre-wired UPS 15-58 pump.
- 3-way rotary diverting valve.
- Top or bottom mains feed available.
- Isolation valves.
- Thermometer.

Housing options:

Visible parts made of satin coated steel are ready to paint without priming. Recessed enclosure depth allows for mounting in a 2x6 wall. One key lock and one or two coin locks.

- Recessed made of satin/galvanized steel.
- Recessed made of stainless steel.
- Extended height recessed made of satin/galvanized steel.
- Extended height recessed made of stainless steel.
- Surface mount made of satin/galvanized steel (skirting by others).
- Surface mount made of stainless steel (skirting by others).
- Extended height surface mount made of satin/galvanized steel.
- Extended height surface mount made of stainless steel.

Manifold options:

- 75100 series SS Manifold with Flow Meters
- 75200 series High Flow SS Manifold.

of loops options:

One loop is closed and plugged with manifold caps (#77100) unless all loops in use.

- 4, 6, 8, 10, or 12 loops.

Manifold add-ons:

- Pressure activated bypass (#76945).
- Side mount automatic air vent (#76944).

Control options:

- BMS wiring (sensors by others) with DDC mixing valve motor (#58132).
- BMS pump relay (sensors by others) with Floating Action Mixing Valve Motor (#58131).
- BMS wiring (sensors by others) with Floating Action Mixing Valve Motor (#58131) and StatLink® (thermostats¹). Optional - Actuator with LED (#56201) installed on manifold and wired to StatLink®.
- Outdoor reset control (#30360) with Floating Action Mixing Valve Motor (#58131) and StatLink® (thermostats¹). Optional - Actuator with LED (#56201) installed on manifold and wired to StatLink®.
- Snow melt control (#30654) with DDC mixing valve motor (#58132).²
- Snow melt control with BACnet (#31680) with Floating Action Mixing Valve Motor (#58131).²

See [page 118](#) for configuration details.

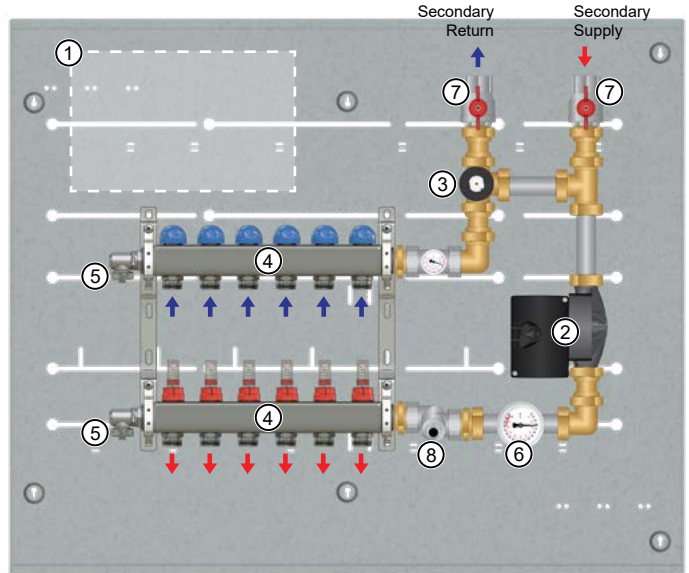
PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUBSST](#).

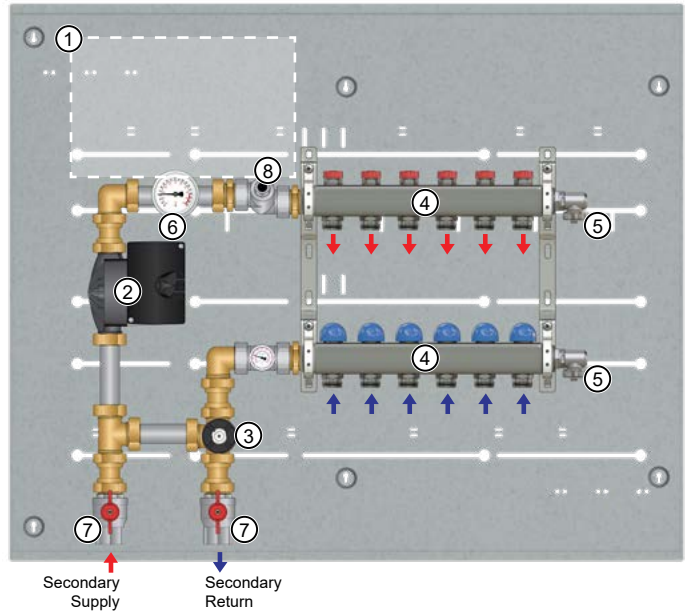
1. Thermostats are sold separately.
2. Snow melt controls only available with 75200 series manifolds. Snow/Ice Detector #30090/91 sold separately.

Components

- | | |
|---------------------|---|
| ① Controls location | ⑥ Thermometer |
| ② Pump | ⑦ 1" FNPT Ball Valves |
| ③ Mixing valve | ⑧ Sensor Well (when applicable controls selected) |
| ④ Manifold | |
| ⑤ Hosebib | |



SSTM with UPS 15-58 pump, 75106 manifold, top feed mains.



SSTM with UPS 15-58 pump, 75206 manifold, bottom feed mains.

Stainless Steel Manifold Mixing Panels with Large Pump SSTL Series

SSTL series panels are distribution panels with their own pump and mixing valve to supply radiant areas that each need a different supply water temperature. Typical applications include radiant heating and snow melting.

Base components:

- Pre-wired UPS 26-99 pump.
- 3-way rotary diverting valve.
- Top or bottom mains feed available.
- Isolation valves.
- Thermometer.

Housing options:

Visible parts made of satin coated steel are ready to paint without priming. Recessed enclosure depth allows for mounting in a 2x6 wall. One key lock and one or two coin locks.

- Recessed made of satin/galvanized steel.
- Recessed made of stainless steel.
- Extended height recessed made of satin/galvanized steel.
- Extended height recessed made of stainless steel.
- Surface mount made of satin/galvanized steel (skirting by others).
- Surface mount made of stainless steel (skirting by others).
- Extended height surface mount made of satin/galvanized steel.
- Extended height surface mount made of stainless steel.

Manifold options:

- 75100 series SS Manifold with Flow Meters
- 75200 series High Flow SS Manifold.

of loops options:

One loop is closed and plugged with manifold caps (#77100) unless all loops in use.

- 4, 6, 8, 10, or 12 loops.

Manifold add-ons:

- Pressure activated bypass (#76945).
- Side mount automatic air vent (#76944).

Control options:

- BMS wiring (sensors by others) with DDC mixing valve motor (#58132).
- BMS pump relay (sensors by others) with Floating Action Mixing Valve Motor (#58131).
- BMS wiring (sensors by others) with Floating Action Mixing Valve Motor (#58131) and StatLink® (thermostats¹).
Optional - Actuator with LED (#56201) installed on manifold and wired to StatLink®.
- Outdoor reset control (#30360) with Floating Action Mixing Valve Motor (#58131) and StatLink® (thermostats¹).
Optional - Actuator with LED (#56201) installed on manifold and wired to StatLink®.
- Snow melt control (#30654) with DDC mixing valve motor (#58132).²
- Snow melt control with BACnet (#31680) with Floating Action Mixing Valve Motor (#58131).²

See [page 118](#) for configuration details.

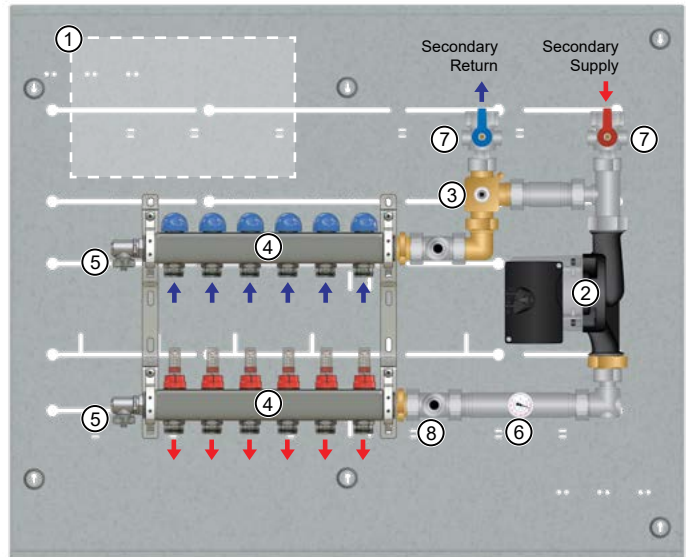
PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUBSST](#).

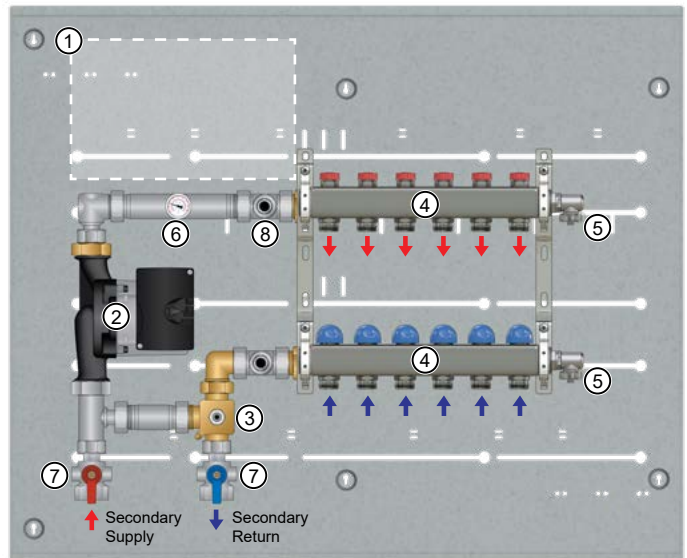
1. Thermostats are sold separately.
2. Snow melt controls only available with 75200 series manifolds.
Snow/Ice Detector #30090/91 sold separately.

Components

- | | |
|---------------------|---|
| ① Controls location | ⑥ Thermometer |
| ② Pump | ⑦ 1" FNPT Ball Valves |
| ③ Mixing valve | ⑧ Sensor Well (when applicable controls selected) |
| ④ Manifold | |
| ⑤ Hosebib | |



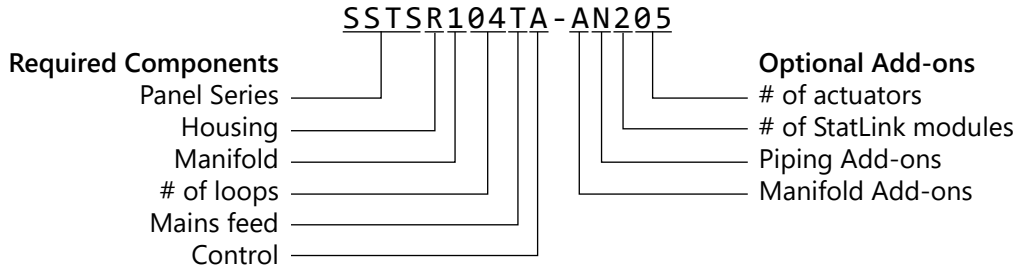
SSTL with UPS 26-99 pump, 75106 manifold, top feed mains.



SSTL with UPS 26-99 pump, 75206 manifold, bottom feed mains.

Building the Item Number

Download the [SSP-SST Calculator](#) from the website for panel configuration and pricing.



Panel Series

Code	Secondary Pump		Mixing/Diverting Valve		
	UPS 15-58	UPS 26-99	TMV Cv=1.9	3-way Cv=3.25	3-way Cv=7.3
SSPS	•				
SSPL		•			
SSTV ¹	•		•		
SSTS ¹	•			•	
SSTM	•				•
SSTL		•			•

Housing

Code	Type		Material			Extended Height ²
	Recessed	Surface Mount	Satin/Galvanized	Stainless Steel ²	Extended Height ²	
R	•		•			
A	•		•			• ²
B	•			• ²		
C	•			• ²		• ²
S		•	•			
D		•	•			• ²
E		•		• ²		
F		•		• ²		• ²

Manifold

Code	Description
1	75100 series
2	75200 series ¹

of loops

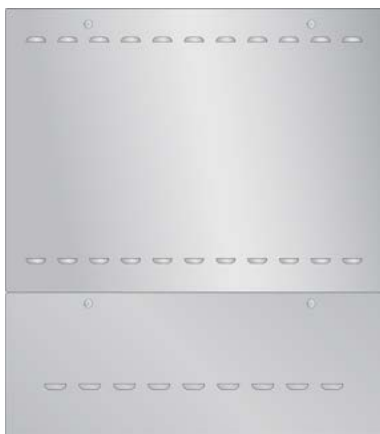
Code	Description
04	4 loops
06	6 loops
08	8 loops
10	10 loops
12	12 loops

Mains Feed

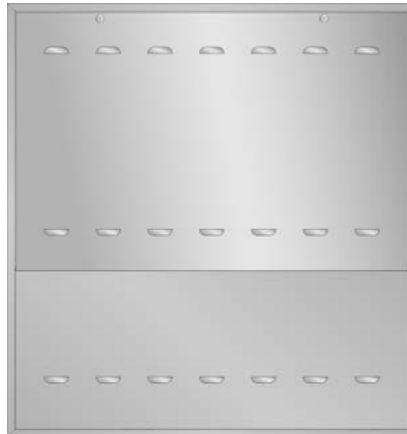
Code	Description
T	Top feed
B	Bottom feed

1. SSTS and SSTV panel series with 75200 series manifolds are limited to 6 loops.
2. Stainless steel and extended height housings are special order options.

Extended Height Recessed Housing - A & C



Extended Height Surface Mount Housing - D & F



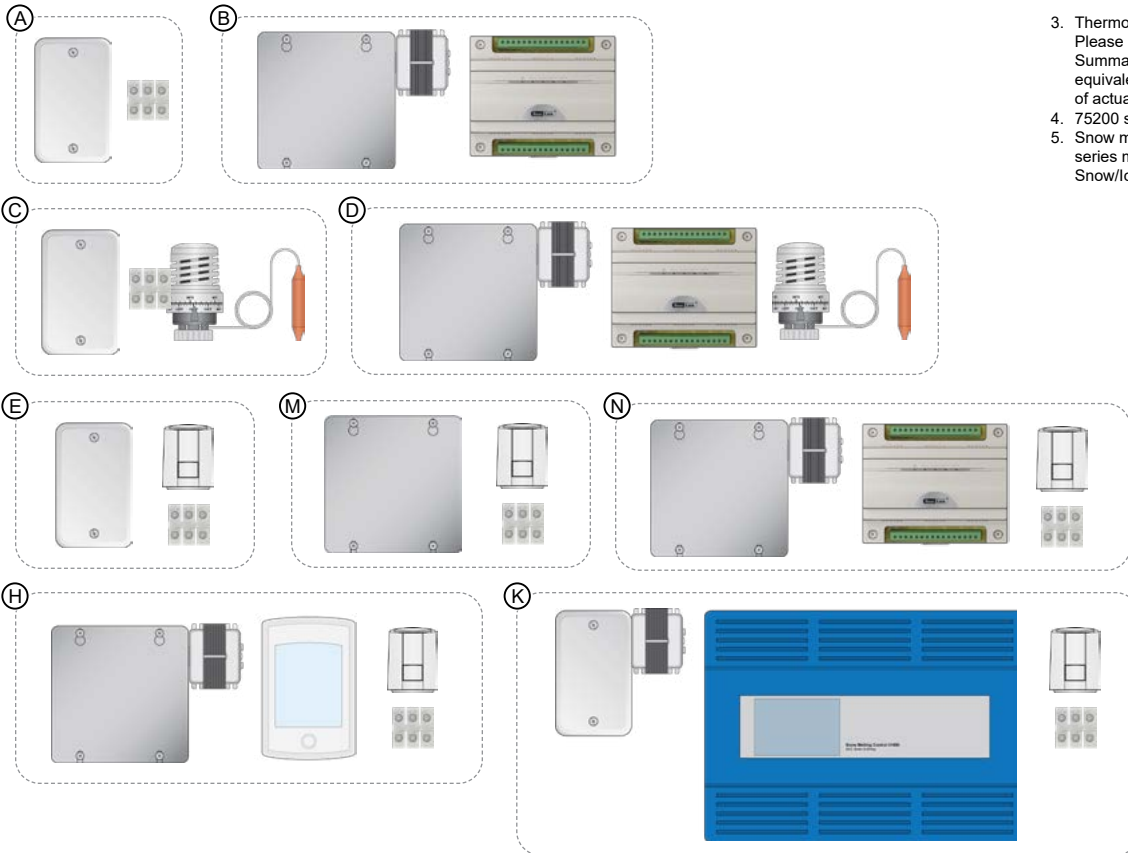
Control Options

All controls include an electrical junction box for 120V wiring, and relay(s) (if applicable).

Control options (excluding Ⓑ, Ⓓ, Ⓔ) include a terminal strip for applicable external control connections.

Illustrations are representative and may differ slightly from actual control. See control manuals for wiring and connection details.

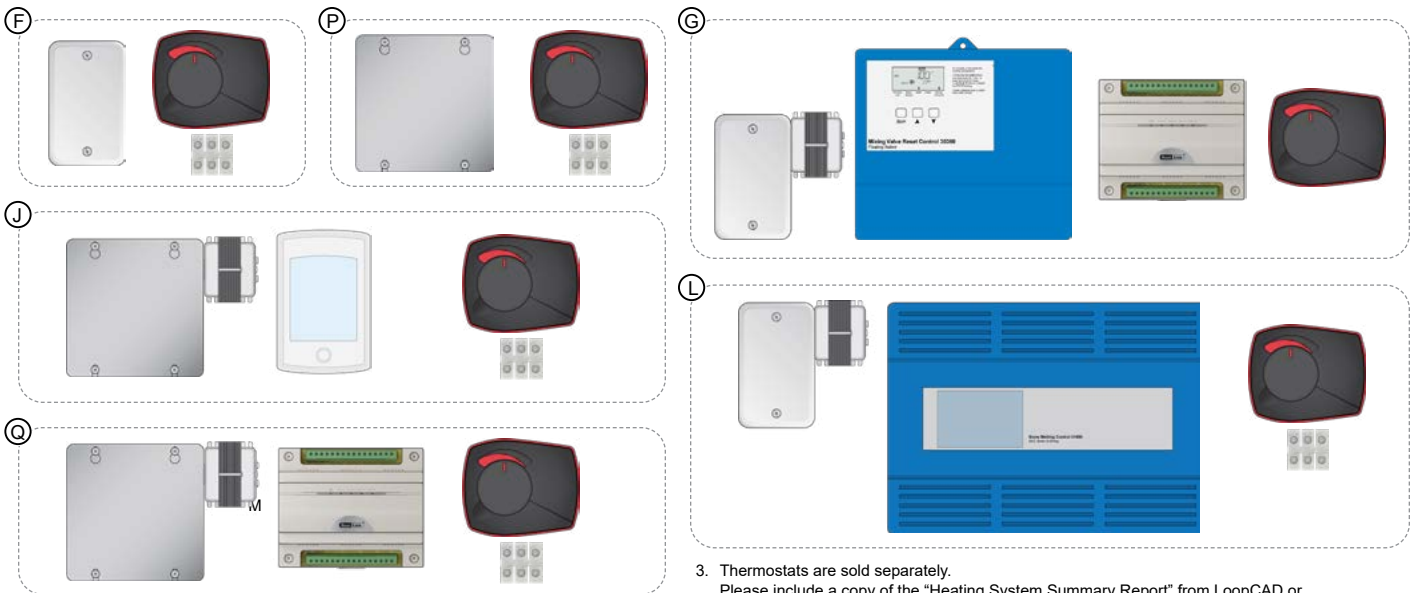
Code	Description	Compatible Panel Series					
		SSPS	SSPL	SSTV	SSTS	SSTM	SSTL
A	Pump contacts	•	•	•			
B	StatLink (#40414) with pump relay (optional Actuators #56201) ³	• ³	• ³	• ³			
C	Pump contacts with Thermostatic Head (#57094)				•		
D	StatLink (#40414) with pump relay (optional Actuators #56201) ³ and Thermostatic Head (#57094)				• ³		
E	BMS wiring with DDC Actuator (#56121)				•		
M	BMS pump relay with DDC Actuator (#56121)				•		
N	BMS wiring with DDC Actuator (#56121) and StatLink (optional Actuators #56201) ³				• ³		
H	Snow Melt Control (#30654) with DDC Actuator (#56121) ^{4,5}				• ^{4,5}		
K	Snow Melt Control with BACnet (#31680) with DDC Actuator (#56121) ^{4,5}				• ^{4,5}		



3. Thermostats are sold separately. Please include a copy of the "Heating System Summary Report" from LoopCAD or an equivalent table showing the # of zones and # of actuators per zone.
4. 75200 series manifold only up to 6 loops.
5. Snow melt controls only available with 75200 series manifolds. Snow/Ice Detector 30090/91 sold separately.

Control Options continued

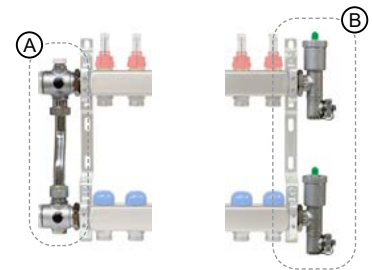
Code	Description	Compatible Panel Series					
		SSPS	SSPL	SSTV	SSTS	SSTM	SSTL
F	BMS wiring with DDC Mixing Valve Motor (#58132)					•	•
P	BMS pump relay with DDC Mixing Valve Motor (#58132)					•	•
Q	BMS wiring with DDC Mixing Valve Motor (#58132) and StatLink (optional Actuators #56201) ³					• ³	• ³
G	Indoor/Outdoor Reset (#30360) with Floating Action Mixing Valve Motor (#58131), StatLink (#40414) (optional Actuators #56201) ³					• ³	• ³
J	Snow Melt Control (#30654) with DDC Mixing Valve Motor (#58132) ⁵					• ⁵	• ⁵
L	Snow Melt Control with BACnet (#31680) with Floating Action Mixing Valve Motor (#58131) ⁵					• ⁵	• ⁵



- Thermostats are sold separately. Please include a copy of the "Heating System Summary Report" from LoopCAD or an equivalent table showing the # of zones and # of actuators per zone.
- Snow melt controls only available with 75200 series manifolds. Snow/Ice Detector 30090/91 sold separately.

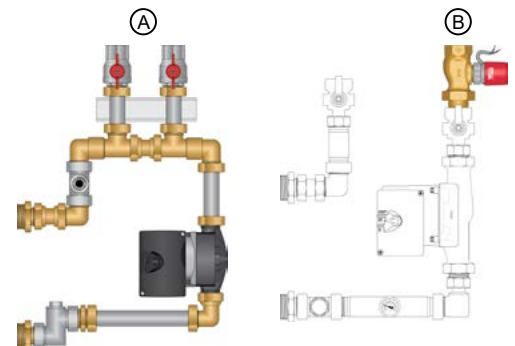
Manifold Add-ons

Code	Description	Compatible Panel Series						
		SSPS	SSPL	SSTS	SSTV	SSTM	SSTL	
N	None	•	•	•	•	•	•	
A	Pressure Bypass (#76945)	•	•	•	•	•	•	
B	Side Mount Auto Air Vent Kit (#76944)	•	•	•	•	•	•	
C	Pressure Bypass (#76945) and Side Mount Auto Air Vent Kit (#76944)	•	•	•	•	•	•	



Piping Add-ons

Code	Description	Compatible Panel Series						
		SSPS	SSPL	SSTS	SSTV	SSTM	SSTL	
N	None	•	•	•	•	•	•	
A	Closely spaced tees	•	•					
B	Auto isolation zone valve ⁶	• ⁶	• ⁶					



6. Requires control option with StatLink

3WMIX 3-Way Mixing Panels 3WMIX-360 Series

These standalone panels provide outdoor reset control with a secondary pump, 3-way rotary mixing valve, and 3-point floating mixing valve motor.

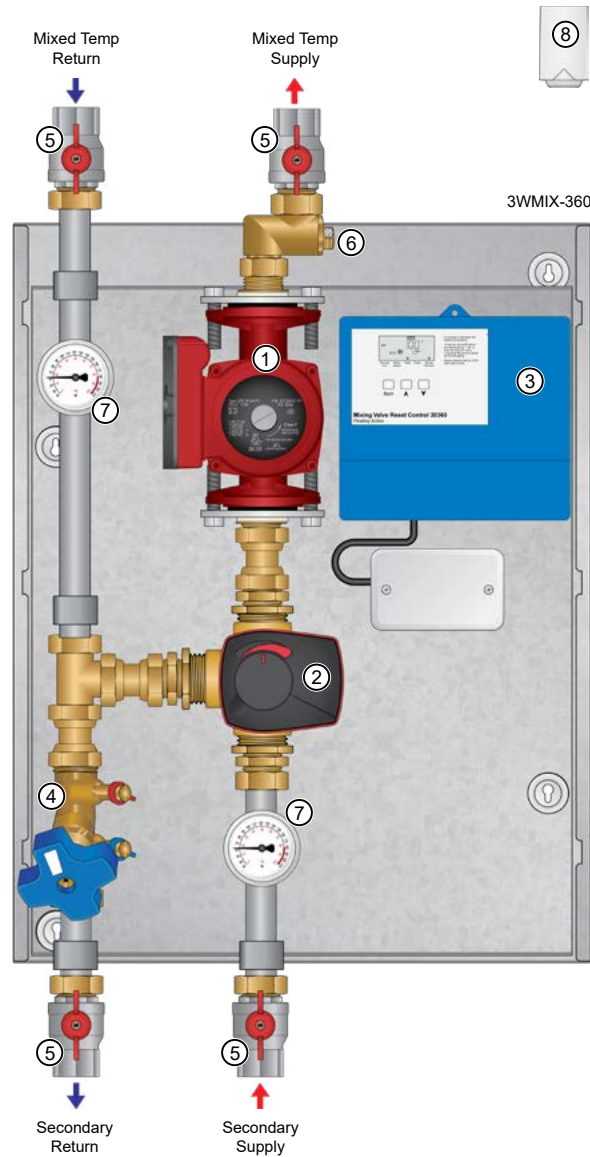
Sequence of operation (Outdoor Reset):

- When the panel receives a heat demand, the 30360 control is activated.
- If the control is not in Warm Weather Shut Down, the control operates the mixing valve, boiler, and pump to maintain an outdoor reset mix target temperature at the mix supply sensor.
- When the heat demand is removed, the control will close the mixing valve, open the boiler contacts, and stop the pump after the purge time.
- If the pump has not run in the past 3 days, the pump will run for 10 seconds.
- If the mixing valve has not operated its full stroke in the past 3 days, the control will operate the valve to the fully open position and then back to the fully closed position.

For complete specifications, see submittal [SUB3WMIX-360](#).

Panel Components

- ① Secondary Pump
- ② 3-Way Mixing Valve and Motor
- ③ 30360 Indoor/Outdoor Reset Mixing Control
- ④ Balancing Valve
- ⑤ Isolation Valves
- ⑥ Supply Sensor (in well)
- ⑦ Thermometer
- ⑧ Outdoor Sensor
- Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
3WMIX-360	3-Way Mixing Panel 1-1/4" 26-99 Pump	1	ea.	\$ 10,425.00
3WMIXHH-360	3-Way Mixing Panel 1-1/4" 26-150 Pump	1	ea.	\$ 11,908.00

3WMIX 3-Way Mixing Panels 3WMIX-BMS Series

These panels provide a secondary pump, 3-way rotary mixing valve, DDC mixing valve motor, and terminal blocks for connection to a BMS.

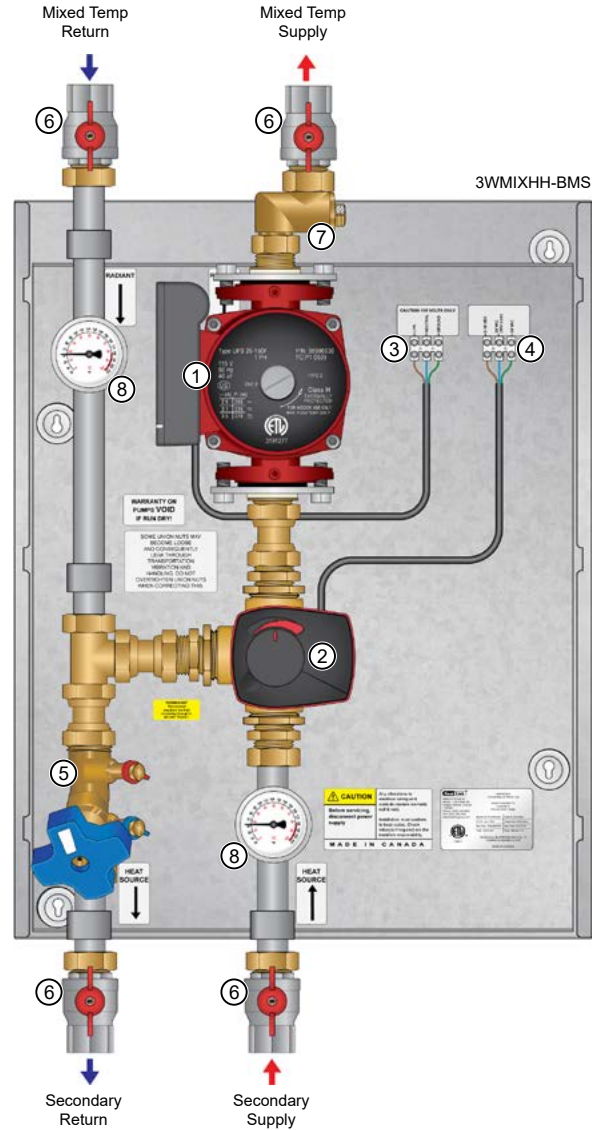
Sequence of operation (BMS):

- When the pump terminal block receives 120Vac power, the secondary pump will turn on and circulate the system water.
- The mixing valve motor will open or close the valve to adjust the supply water temperature according to input received at the mixing valve motor terminal block.

For complete specifications, see submittal [SUB3WMIX-BMS](#).

Panel Components

- ① Secondary Pump
- ② 3-Way Mixing Valve and Motor
- ③ 120Vac Terminal Block for Pump
- ④ Terminal Block for Mixing Valve Motor
- ⑤ Balancing Valve
- ⑥ Isolation Valves
- ⑦ Sensor Well
- ⑧ Thermometer
- ☑ Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
3WMIX-BMS	3-Way Mixing Panel 1-1/4" 26-99 Pump BMS	1	ea.	\$ 7,197.00
3WMIXHH-BMS	3-Way Mixing Panel 1-1/4" 26-150 Pump BMS	1	ea.	\$ 9,477.00

4WMIX 4-Way Mixing Panels 4WMIX-360 Series

These standalone panels provide outdoor reset control with a secondary pump, 4-way rotary mixing valve, and 3-point floating mixing valve motor.

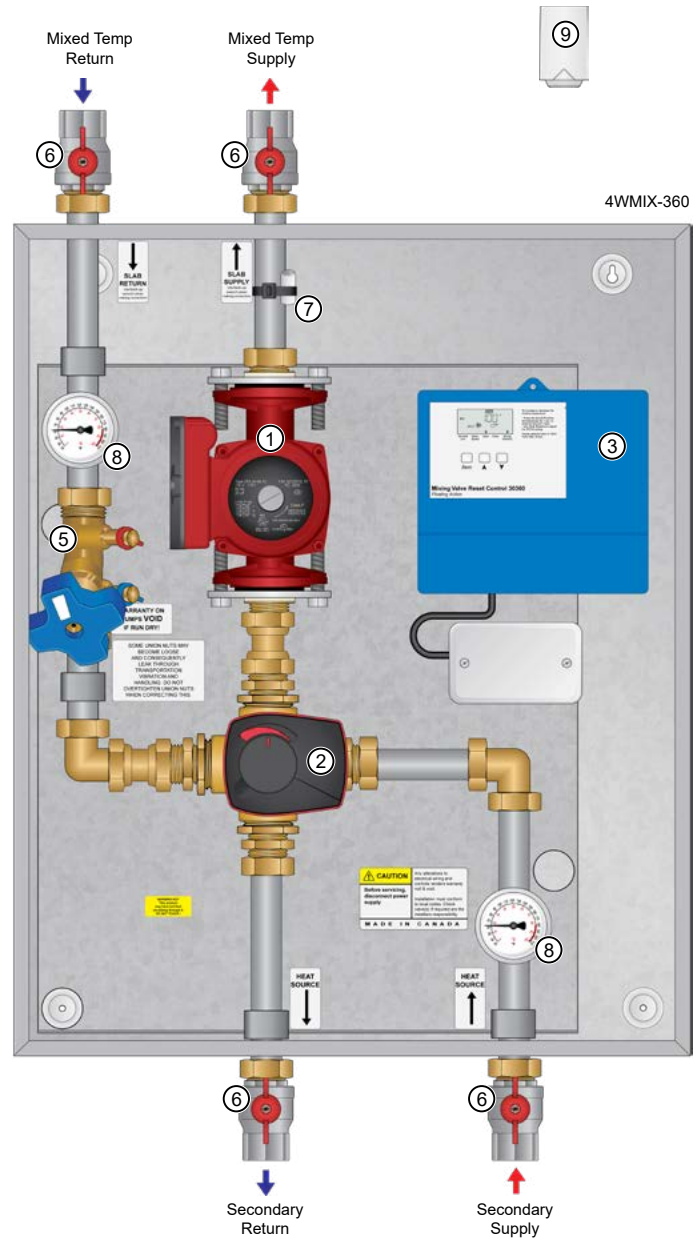
Sequence of operation (Outdoor Reset):

- When the panel receives a heat demand, the 30360 control is activated.
- If the control is not in Warm Weather Shut Down, the control operates the mixing valve, boiler, and pump to maintain an outdoor reset mix target temperature at the mix supply sensor.
- When the heat demand is removed, the control will close the mixing valve, open the boiler contacts, and stop the pump after the purge time.
- If the pump has not run in the past 3 days, the pump will run for 10 seconds.
- If the mixing valve has not operated its full stroke in the past 3 days, the control will operate the valve to the fully open position and then back to the fully closed position.

For complete specifications, see submittal [SUB4WMIX-360](#).

Panel Components

- ① Secondary Pump
- ② 4-Way Mixing Valve and Motor
- ③ 30360 Indoor/Outdoor Reset Mixing Control
- ④ Balancing Valve
- ⑤ Isolation Valves
- ⑥ Supply Sensor (in well)
- ⑦ Thermometer
- ⑧ Outdoor Sensor
- Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
4WMIX-360	4-Way Mixing Panel 1-1/4" 26-99 Pump	1	ea.	\$ 10,425.00
4WMIXHH-360	4-Way Mixing Panel 1-1/4" 26-150 Pump	1	ea.	\$ 11,908.00

4WMIX 4-Way Mixing Panels 4WMIX-BMS Series

These panels provide a secondary pump, 4-way rotary mixing valve, DDC mixing valve motor, and terminal blocks for connection to a BMS.

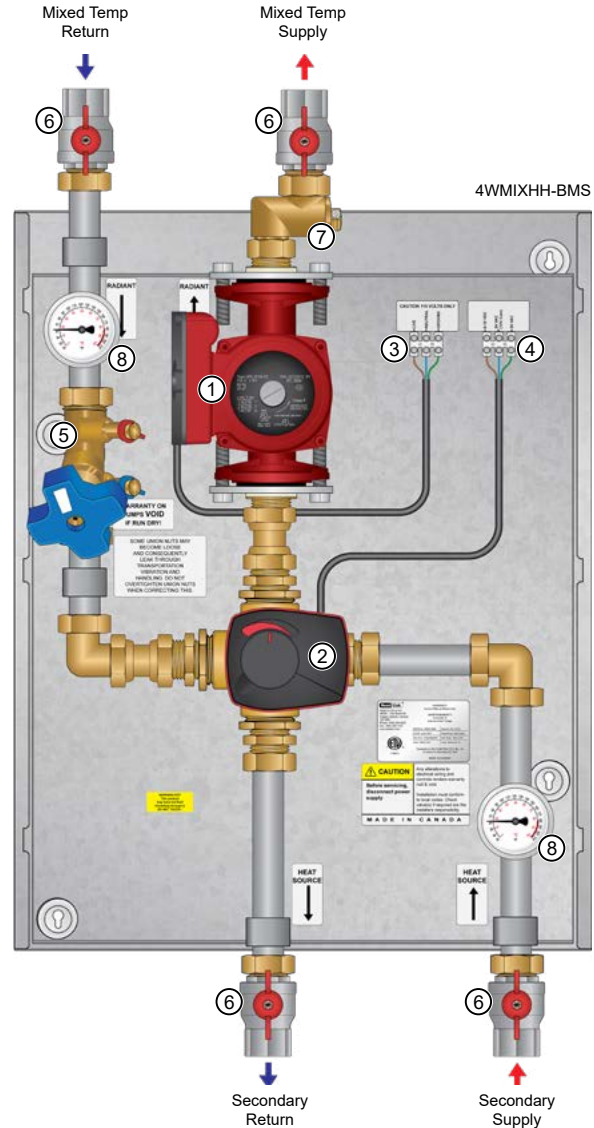
Sequence of operation (BMS):

- When the pump terminal block receives 120Vac power, the secondary pump will turn on and circulate the system water.
- The mixing valve motor will open or close the valve to adjust the supply water temperature according to input received at the mixing valve motor terminal block.

For complete specifications, see submittal [SUB4WMIX-BMS](#).

Panel Components

- ① Secondary Pump
- ② 4-Way Mixing Valve and Motor
- ③ 120Vac Terminal Block for Pump
- ④ Terminal Block for Mixing Valve Motor
- ⑤ Balancing Valve
- ⑥ Isolation Valves
- ⑦ Sensor Well
- ⑧ Thermometer
- Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
4WMIX-BMS	4-Way Mixing Panel 1-1/4" 26-99 Pump BMS	1	ea.	\$ 7,197.00
4WMIXHH-BMS	4-Way Mixing Panel 1-1/4" 26-150 Pump BMS	1	ea.	\$ 9,477.00

Advantages

- Pre-engineered solutions reduce design and quotation time.
- Reliable (ETL listed, UL 508, CSA standard), exceeds highest quality standards, with multiple test procedures for electrical and mechanical system components.
- Eliminate on-site design and reduced risk of on-site errors.
- Known cost; fewer surprises.
- Reduced installation times; time is money!
- Trouble-free start-ups every time!
- Fewer call-backs.
- Compact and aesthetically pleasing.
- Easily serviced and replaceable.
- Covered by a single warranty.

Snow Melt Panel Selection

These panels are intended for use in snow melt systems. All panels include a snow melt control. Alternate controls or BMS versions are available. Snow/ice detector sold separately.

To select the panel that will work best for your system installation use the tables and definitions below. For additional assistance contact our technical or product support team.

Pg#	Panel Stk#	Nominal Output (MBH)	Heat Exchangers		Primary Pump		Secondary Pump			Mixing/Diverting Valve			BACnet
			3x8-20	3x8-30	UPS 26-99	UPS 26-150	UPS 26-99	UPS 26-150	UP 43-110	3-way Cv=11.7	3-way Cv=18.7	4-way Cv=18.7	
126	3WMIX-654						•				•		
126	3WMIXHH-654							•			•		
127	3WMIX-680						•				•		•
127	3WMIXHH-680							•			•		•
128	4WMIX-654						•					•	
128	4WMIXHH-654							•				•	
129	4WMIX-680						•					•	•
129	4WMIXHH-680							•				•	•
130	SMP375-654	300			•		•				•		
130	SMP375-654-H	375			•			•			•		
131	SMP375-680	300			•		•				•		•
131	SMP375-680-H	375			•			•			•		•
132	SMP175-654-HEX	175	2		•		•				•		
132	SMP300-654-HEX	300		2	•		•				•		
132	SMP300-654-HEX-H	365		3	•			•			•		
132	SMP300-654-HEX-HH	365		3	•	•		•			•		
133	SMP175-680-HEX	175	2		•		•				•		•
133	SMP300-680-HEX	300		2	•		•				•		•
133	SMP300-680-HEX-H	365		3	•			•			•		•
133	SMP300-680-HEX-HH	365		3	•	•		•			•		•
134	SMP400D-654	400							•		•		
135	SMP400D-680	400							•		•		•
136	SMP335-654	335	4						•		•		
136	SMP425-654	425		4					•		•		
137	SMP335-680	335	4						•		•		•
137	SMP425-680	425		4					•		•		•

3WMIX-654 3-Way Mixing Panels w/Snow Melt Control 3WMIX-654 Series

These Snow Melt Panels are operation centers for fully automatic snow melt systems. They can be used for snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance), or a non-dedicated heat source with a heat exchanger.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

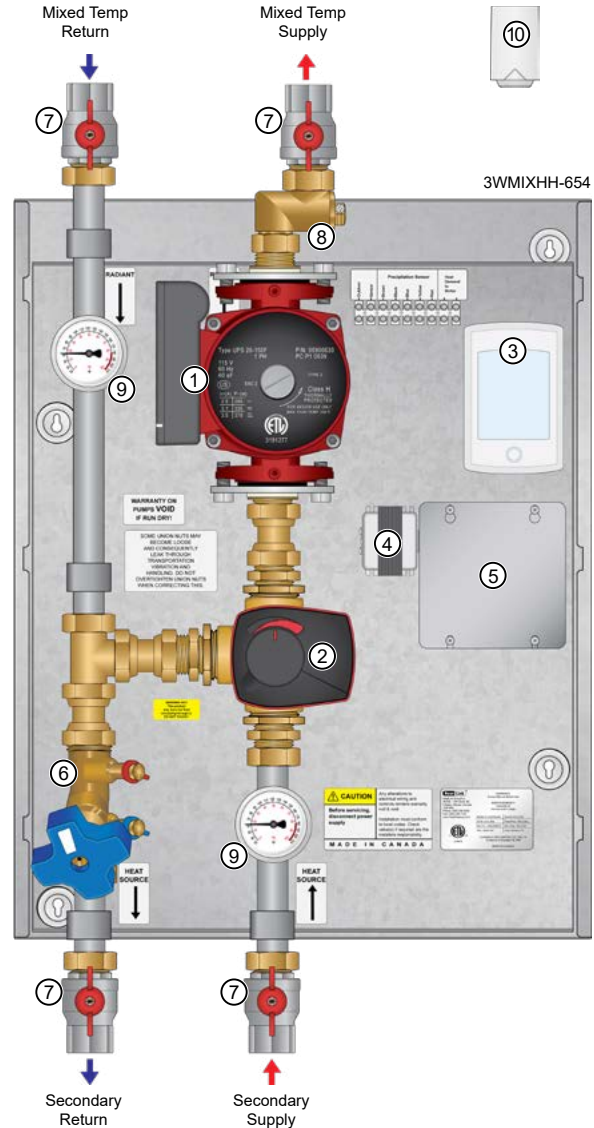
Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the idling temperature.
- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the Secondary Pump, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUB3WMIX-654](#).

Panel Components

- ① Secondary Pump
 - ② 3-Way Mixing Valve and Motor
 - ③ Snow Melt Control
 - ④ 24Vac Transformer
 - ⑤ Relay/Electrical Box
 - ⑥ Balancing Valve
 - ⑦ Isolation Valves
 - ⑧ Supply Sensor (in well)
 - ⑨ Thermometer
 - ⑩ Outdoor Sensor
- Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
3WMIX-654	3-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt	1	ea.	\$ 9,745.00
3WMIXHH-654	3-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt	1	ea.	\$ 11,799.00

3WMIX-680 4-Way Mixing Panels w/ BACnet Snow Melt Control 3WMIX-680 Series

These Snow Melt Panels are operation centers for fully automatic snow melt systems. They can be used for snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance), or a non-dedicated heat source with a heat exchanger.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

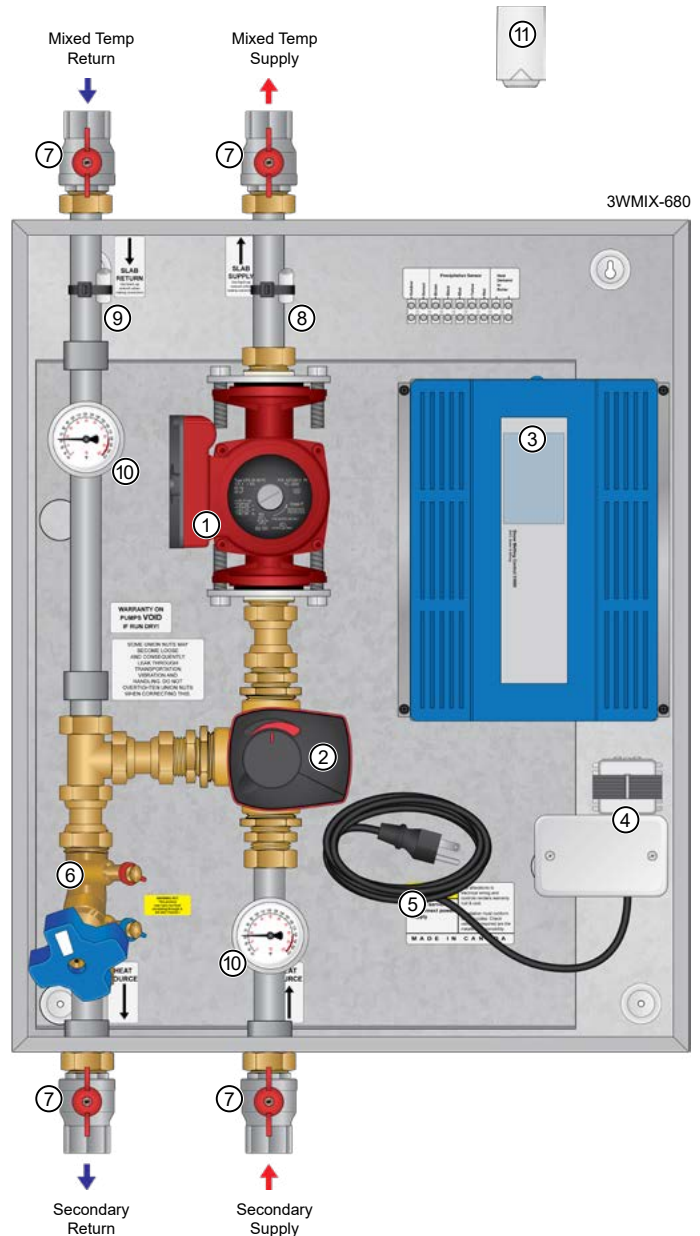
Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the idling temperature.
- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut off setting and the slab is below freezing, the Snow Melt Control will continue to run the Secondary Pump, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUB3WMIX-680](#).

Panel Components

- ① Secondary Pump
- ② 3-Way Mixing Valve and Motor
- ③ Snow Melt Control
- ④ 24Vac Transformer
- ⑤ 120Vac 6' Power Cord
- ⑥ Balancing Valve
- ⑦ Isolation Valves
- ⑧ Supply Sensor
- ⑨ Return Sensor
- ⑩ Thermometer
- ⑪ Outdoor Sensor
- Panel Enclosure (not shown)



	Stk#	Description	Pkg Qty	Unit	List Price / Unit
New!	3WMIX-680	3-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt BACnet	1	ea.	\$ 16,864.00
New!	3WMIXHH-680	3-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt BACnet	1	ea.	\$ 18,640.00

4WMIX-654 4-Way Mixing Panels w/ Snow Melt Control

4WMIX-654 Series

These Snow Melt Panels are operation centers for fully automatic snow melt systems. They can be used for snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance), or a non-dedicated heat source with a heat exchanger.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

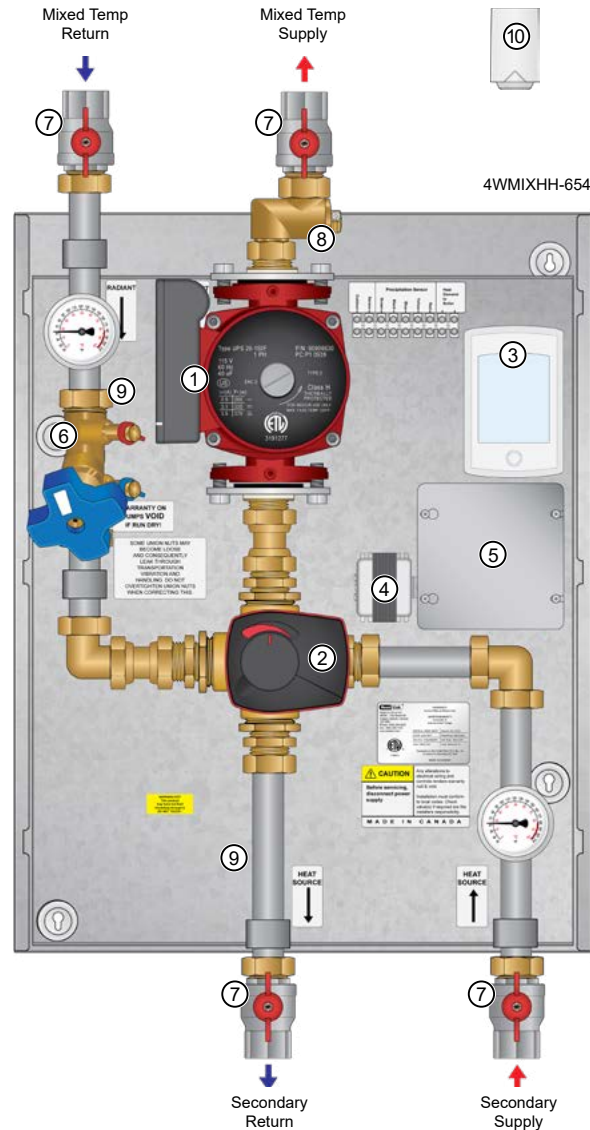
Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the idling temperature.
- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the Secondary Pump, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUB4WMIX-654](#).

Panel Components

- ① Secondary Pump
 - ② 4-Way Mixing Valve and Motor
 - ③ Snow Melt Control
 - ④ 24Vac Transformer
 - ⑤ Relay/Electrical Box
 - ⑥ Balancing Valve
 - ⑦ Isolation Valves
 - ⑧ Supply Sensor (in well)
 - ⑨ Thermometer
 - ⑩ Outdoor Sensor
- Panel Enclosure (not shown)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
4WMIX-654	4-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt	1	ea.	\$ 9,745.00
4WMIXHH-654	4-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt	1	ea.	\$ 11,799.00

4WMIX-680 4-Way Mixing Panels w/ BACnet Snow Melt Control 4WMIX-680 Series

These Snow Melt Panels are operation centers for fully automatic snow melt systems. They can be used for snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance), or a non-dedicated heat source with a heat exchanger.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

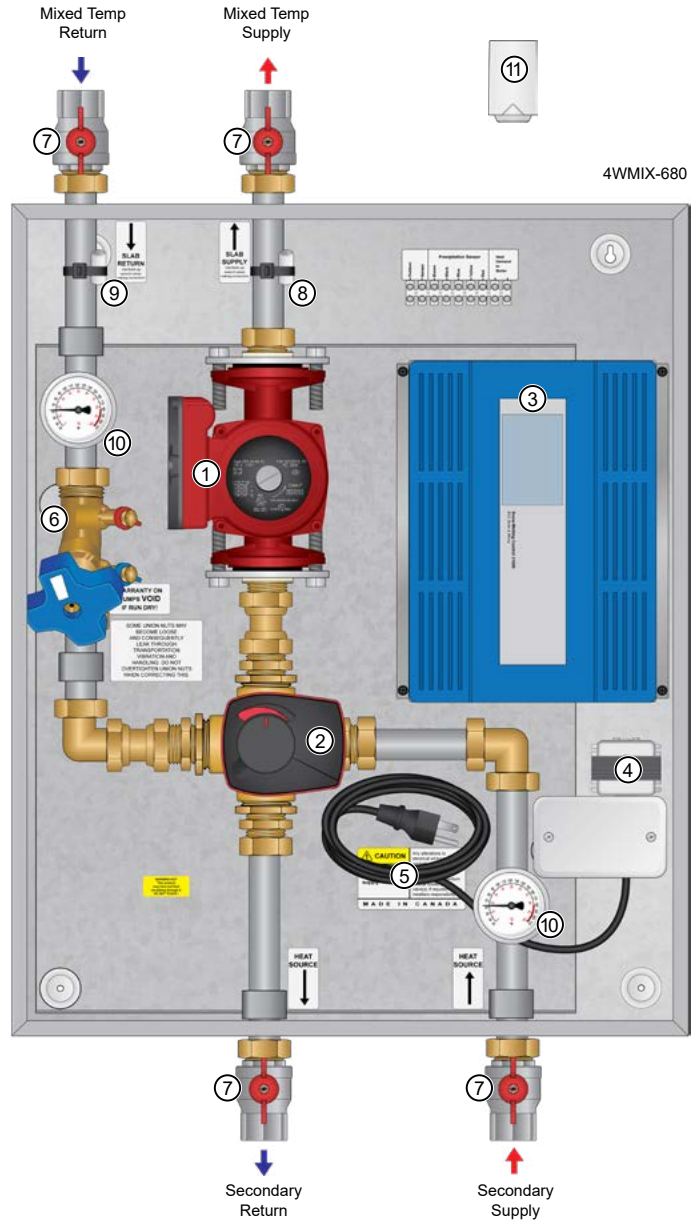
Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the idling temperature.
- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut off setting and the slab is below freezing, the Snow Melt Control will continue to run the Secondary Pump, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUB4WMIX-680](#).

Panel Components

- ① Secondary Pump
- ② 4-Way Mixing Valve and Motor
- ③ Snow Melt Control
- ④ 24Vac Transformer
- ⑤ 120Vac 6' Power Cord
- ⑥ Balancing Valve
- ⑦ Isolation Valves
- ⑧ Supply Sensor
- ⑨ Return Sensor
- ⑩ Thermometer
- ⑪ Outdoor Sensor
- Panel Enclosure (not shown)



	Stk#	Description	Pkg Qty	Unit	List Price / Unit
New!	4WMIX-680	4-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt BACnet	1	ea.	\$ 16,864.00
New!	4WMIXHH-680	4-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt BACnet	1	ea.	\$ 18,640.00

Stainless Steel Snow Melt Panels SMP000-654 Series

The Snow Melt Panels are central operations centers for fully automatic snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance). Includes the primary and secondary pumps, snow melt control, mixing valve, mixing valve motor, transformer, thermometer, and isolation valves.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the

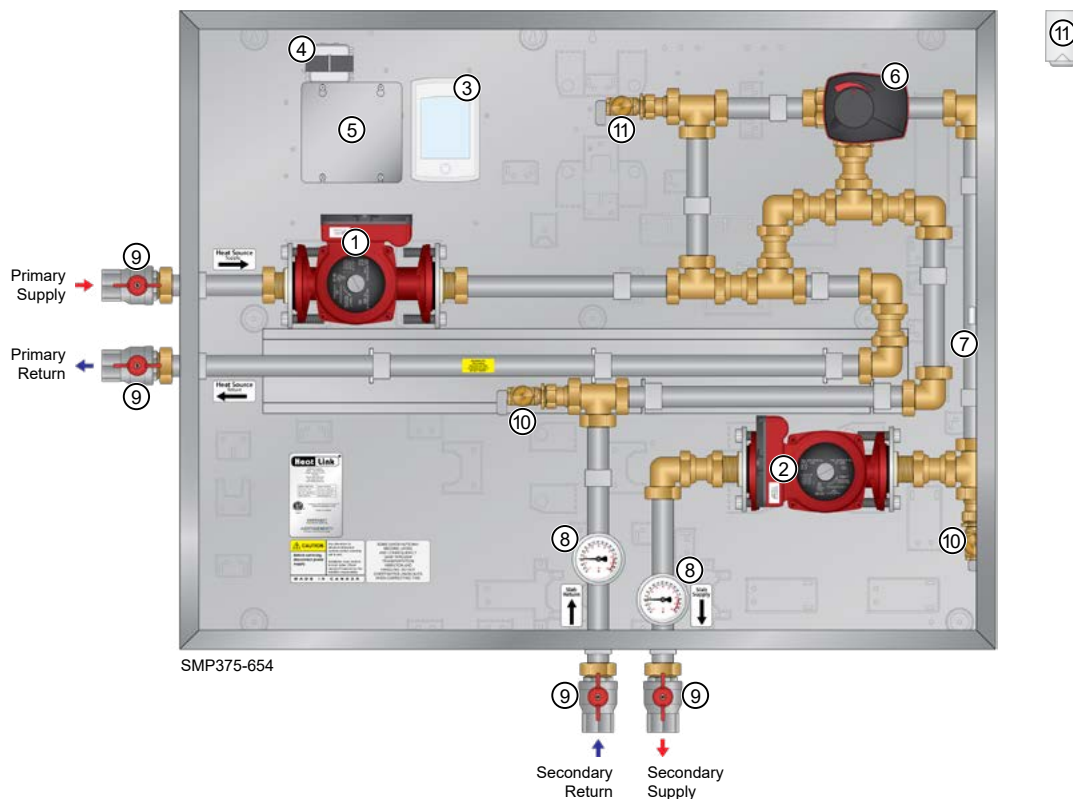
mixing valve to increase the slab surface temperature to the idling temperature.

- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the pumps, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUBSMP375-654](#).

Panel Components

- | | | | |
|---------------------|---------------------------------|-------------------|---|
| ① Primary Pump | ④ 24Vac Transformer | ⑦ Supply Sensor | ⑩ Drain and Fill Valve |
| ② Secondary Pump | ⑤ Relay/Electrical Box | ⑧ Thermometer | ⑪ Outdoor Sensor |
| ③ Snow Melt Control | ⑥ 3-Way Mixing Valve with Motor | ⑨ Isolation Valve | <input checked="" type="checkbox"/> Panel Cover (not shown) |



Stk#	Description	Pkg Qty	Unit	List Price / Unit
SMP375-654	SMP 300MBH SS Snow Melt Panel (No HEX; 30090,30091 sold sep.)	1	ea.	\$ 15,167.00
SMP375-654-H	SMP 375MBH SS Snow Melt Panel with HH Pump (No HEX; 30090,30091 sold sep.)	1	ea.	\$ 16,386.00

Stainless Steel Snow Melt Panels SMP000-680 Series

The Snow Melt Panels are central operations centers for fully automatic snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance). Includes the primary and secondary pumps, snow melt control, mixing valve, mixing valve motor, transformer, thermometer, and isolation valves.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the

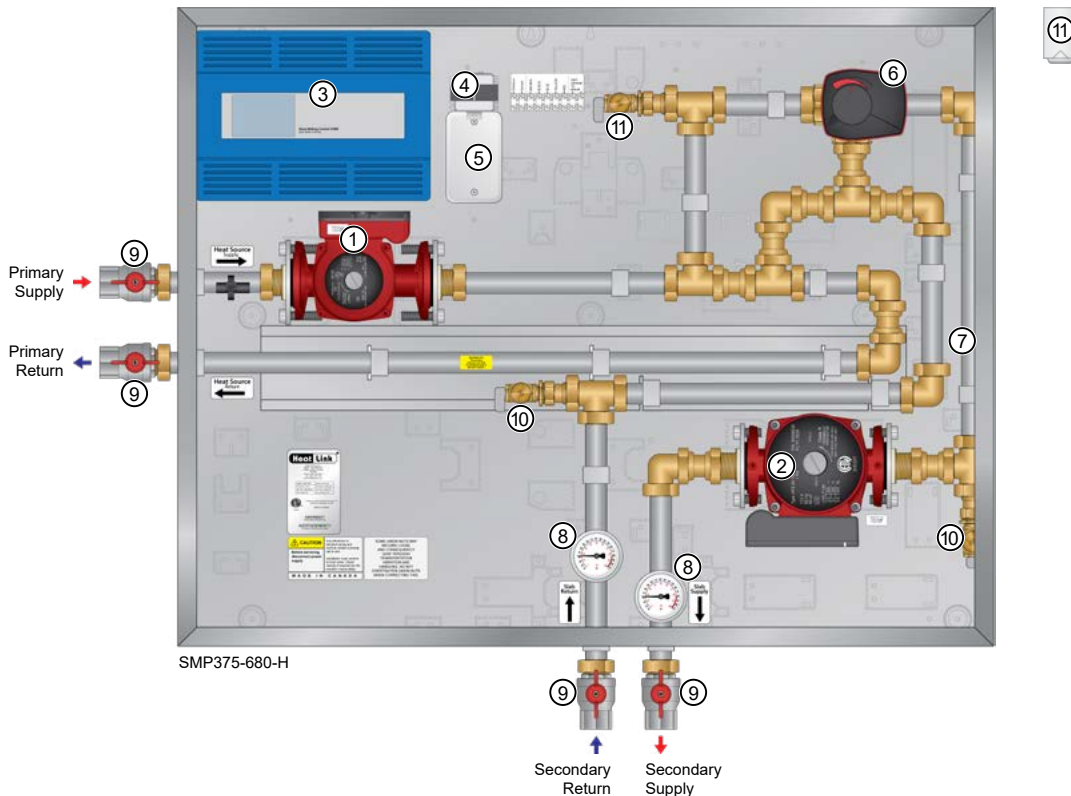
mixing valve to increase the slab surface temperature to the idling temperature.

- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the pumps, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUBSMP375-680](#).

Panel Components

- | | | | |
|---------------------|---------------------------------|-------------------|---|
| ① Primary Pump | ④ 24Vac Transformer | ⑦ Supply Sensor | ⑩ Drain and Fill Valve |
| ② Secondary Pump | ⑤ Electrical Box | ⑧ Thermometer | ⑪ Outdoor Sensor |
| ③ Snow Melt Control | ⑥ 3-Way Mixing Valve with Motor | ⑨ Isolation Valve | <input checked="" type="checkbox"/> Panel Cover (not shown) |



	Stk#	Description	Pkg Qty	Unit	List Price / Unit
New!	SMP375-680	SMP 300MBH SS Snow Melt Panel BACnet (No HEX; 30090,30091 sold sep.)	1	ea.	\$ 21,119.00
New!	SMP375-680-H	SMP 375MBH SS Snow Melt Panel with HH Pump BAC (No HEX; 30090,30091 sold sep.)	1	ea.	\$ 22,338.00

Stainless Steel Snow Melt Panels with Heat Exchangers SMP000-654-HEX Series

The Snow Melt Panels are central operations centers for fully automatic snow melt systems requiring isolation. Includes the primary and secondary pumps, heat exchangers, snow melt control, mixing valve, mixing valve motor, transformer, thermometer, and isolation valves.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the

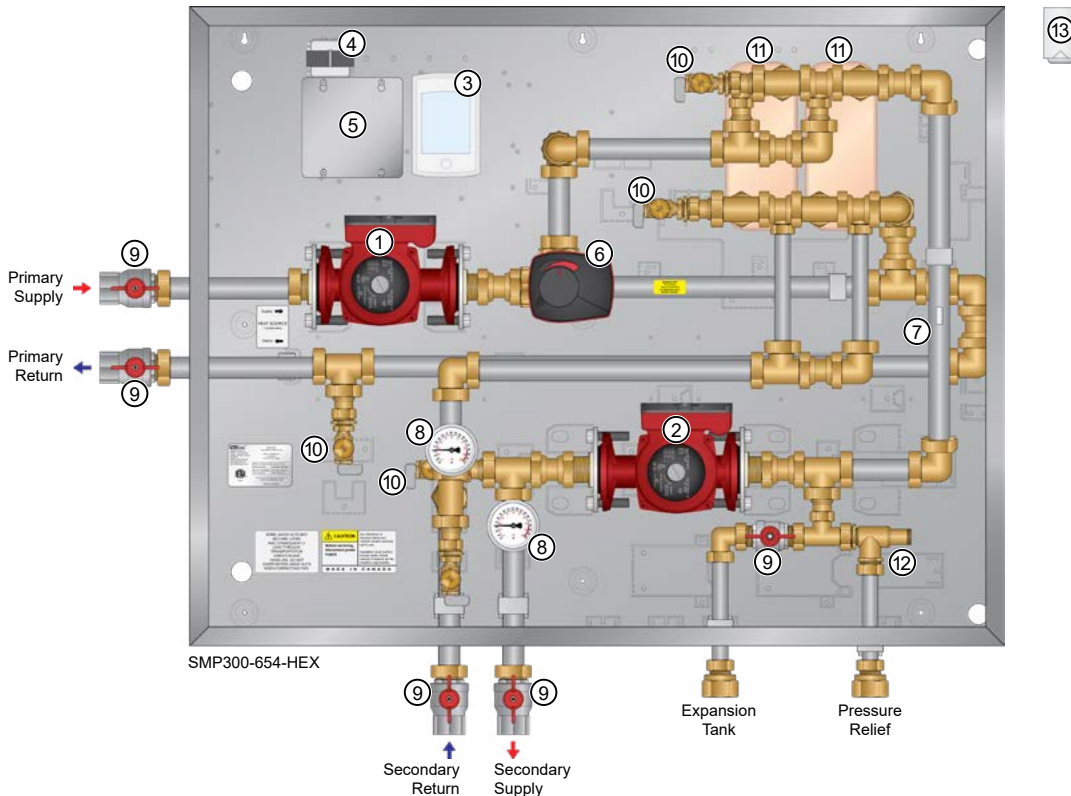
mixing valve to increase the slab surface temperature to the idling temperature.

- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the pumps, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUBSMP000-654](#).

Panel Components

- | | | | |
|---------------------|------------------------------------|------------------------|---|
| ① Primary Pump | ⑤ Relay/Electrical Box | ⑧ Thermometer | ⑫ Pressure Relief Valve |
| ② Secondary Pump | ⑥ 3-Way Diverting Valve with Motor | ⑨ Isolation Valve | ⑬ Outdoor Sensor |
| ③ Snow Melt Control | ⑦ Supply Sensor | ⑩ Drain and Fill Valve | <input checked="" type="checkbox"/> Panel Cover (not shown) |
| ④ 24Vac Transformer | | ⑪ Heat Exchanger | |



Stk#	Description	Pkg Qty	Unit	List Price / Unit
SMP175-654-HEX	SMP 175MBH SS Snow Melt Panel 2×20 HEX (30090,30091 sold sep.)	1	ea.	\$ 19,170.00
SMP300-654-HEX	SMP 300MBH SS Snow Melt Panel 2×30 HEX (30090,30091 sold sep.)	1	ea.	\$ 19,483.00
SMP300-654-HEX-H	SMP 365MBH SS Snow Melt Panel 3×30 HEX & HH Pump (30090,30091 sold sep.)	1	ea.	\$ 21,824.00
SMP300-654-HEX-HH	SMP 365MBH SS Snow Melt Panel 3×30 HEX & 2×HH Pump (30090,30091 sold sep.)	1	ea.	\$ 23,758.00

Stainless Steel Snow Melt Panels with Heat Exchangers SMP000-680-HEX Series

The Snow Melt Panels are central operations centers for fully automatic snow melt systems requiring isolation. Includes the primary and secondary pumps, heat exchangers, snow melt control, mixing valve, mixing valve motor, transformer, thermometer, and isolation valves.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the

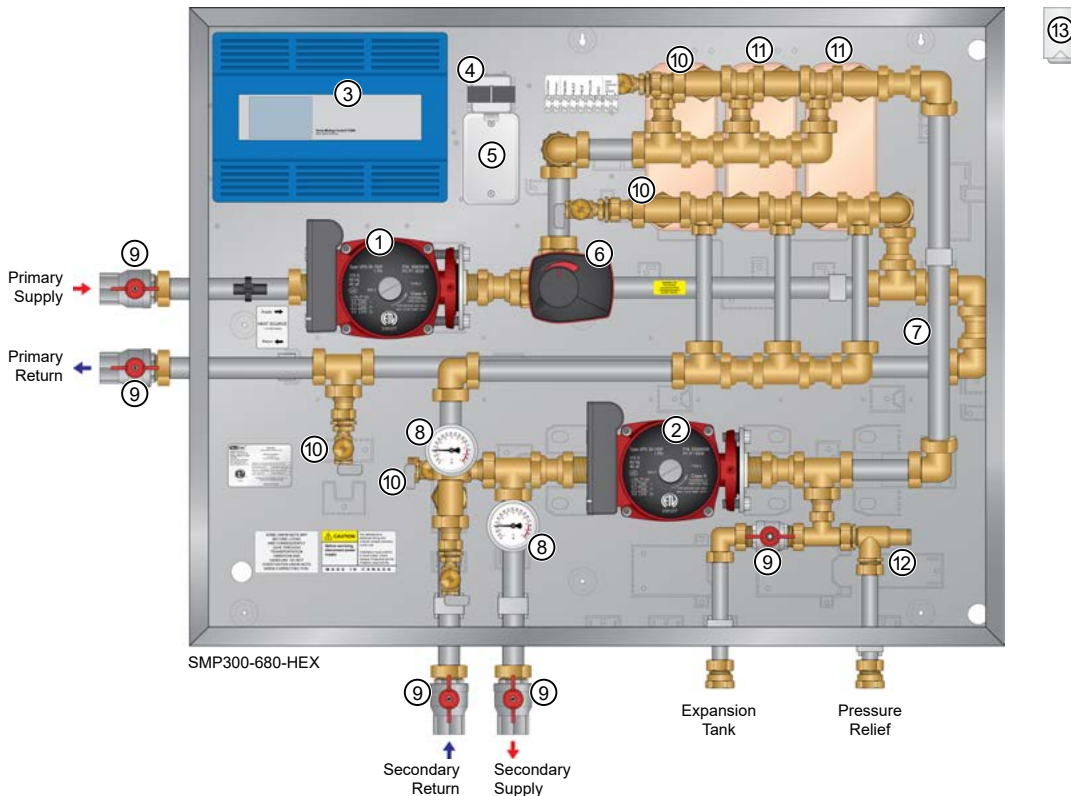
mixing valve to increase the slab surface temperature to the idling temperature.

- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the pumps, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUBSMP000-680](#).

Panel Components

- | | | | |
|---------------------|------------------------------------|------------------------|---|
| ① Primary Pump | ⑤ Electrical Box | ⑧ Thermometer | ⑫ Pressure Relief Valve |
| ② Secondary Pump | ⑥ 3-Way Diverting Valve with Motor | ⑨ Isolation Valve | ⑬ Outdoor Sensor |
| ③ Snow Melt Control | ⑦ Supply Sensor | ⑩ Drain and Fill Valve | <input checked="" type="checkbox"/> Panel Cover (not shown) |
| ④ 24Vac Transformer | | ⑪ Heat Exchanger | |



	Stk#	Description	Pkg Qty	Unit	List Price / Unit
New!	SMP175-680-HEX	SMP 175MBH SS Snow Melt Panel 2x20 HEX BACnet (30090,30091 sold sep.)	1	ea.	\$ 25,122.00
New!	SMP300-680-HEX	SMP 300MBH SS Snow Melt Panel 2x30 HEX BACnet (30090,30091 sold sep.)	1	ea.	\$ 25,435.00
New!	SMP300-680-HEX-H	SMP 365MBH SS Snow Melt Panel 3x30 HEX & HH Pump BAC (30090,30091 sold sep.)	1	ea.	\$ 27,776.00
New!	SMP300-680-HEX-HH	SMP 365MBH SS Snow Melt Panel 3x30 HEX & 2xHH Pump BAC (30090,30091 sold sep.)	1	ea.	\$ 29,710.00

SMP 400 MBH Snow Melt Panel without Heat Exchangers
Stk# SMP400D-654

The SMP400D-654 Snow Melt Panel is a central operations center for a fully automatic snow melt system with a dedicated heat source (e.g. a boiler or other non-DHW appliance). Includes the secondary pump, snow melt control, mixing valve, mixing valve motor, transformer, thermometer, pressure gauges, air eliminator, balancing valves, and isolation valves.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt

Control will activate. The Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the idling temperature.

- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the Secondary Pump, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUBSMP000D-654](#).

Panel Components

- | | | | |
|---------------------|------------------------------------|---------------------------|---|
| ① Secondary Pump | ⑤ Relay/Electrical Box | ⑧ Thermometer (not shown) | ⑫ Outdoor Sensor |
| ② Air Eliminator | ⑥ 3-Way Diverting Valve with Motor | ⑨ Pressure Gauge | <input checked="" type="checkbox"/> Panel Enclosure and Cover (not shown) |
| ③ Snow Melt Control | ⑦ Supply Sensor (not shown) | ⑩ Balancing Valve | |
| ④ 24Vac Transformer | | ⑪ Isolation Valve | |



Stk#	Description	Pkg Qty	Unit	List Price / Unit
SMP400D-654	SMP 400MBH Copper Snow Melt Panel (No HEX; 30090,30091 sold sep)	1	ea.	\$ 32,879.00

SMP 400 MBH Snow Melt Panel without Heat Exchangers
Stk# SMP400D-680

The SMP400D-680 Snow Melt Panel is a central operations center for a fully automatic snow melt system with a dedicated heat source (e.g. a boiler or other non-DHW appliance). Includes the secondary pump, snow melt control, mixing valve, mixing valve motor, transformer, thermometer, pressure gauges, air eliminator, balancing valves, and isolation valves.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt

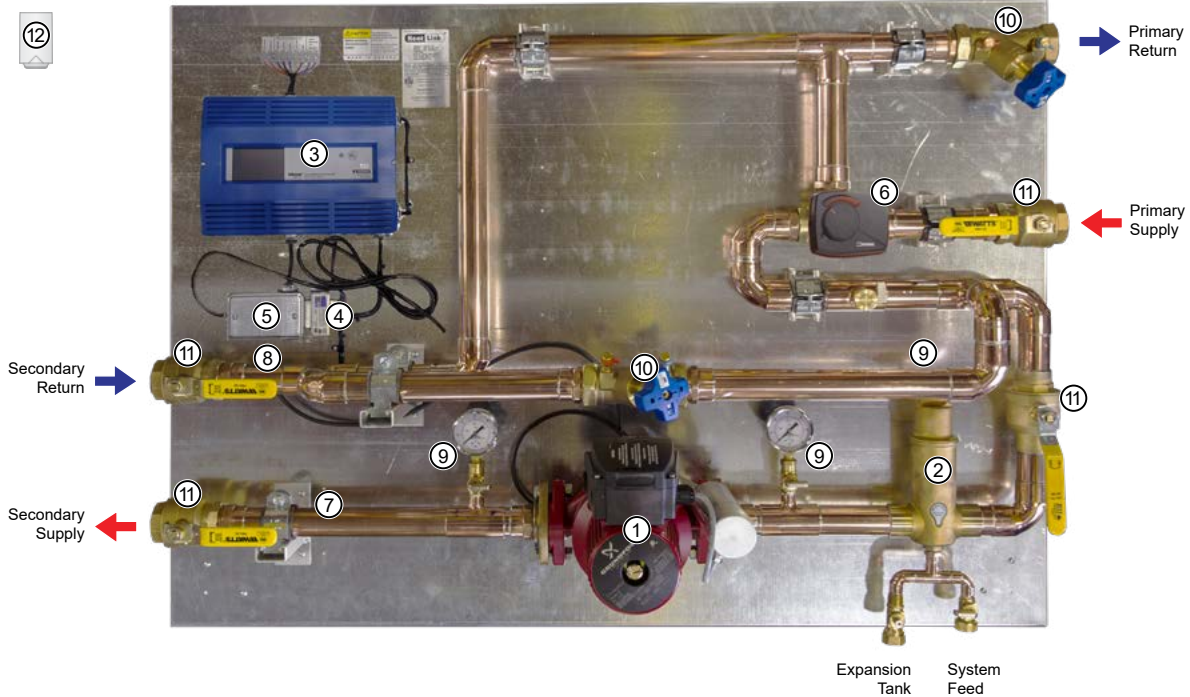
Control will activate. The Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the idling temperature.

- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Secondary Pump, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the Secondary Pump, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUBSMP000D-680](#).

Panel Components

- | | | | |
|---------------------|------------------------------------|---------------------------|---|
| ① Secondary Pump | ⑤ Electrical Box | ⑧ Thermometer (not shown) | ⑫ Outdoor Sensor |
| ② Air Eliminator | ⑥ 3-Way Diverting Valve with Motor | ⑨ Pressure Gauge | <input checked="" type="checkbox"/> Panel Enclosure and Cover (not shown) |
| ③ Snow Melt Control | ⑦ Supply Sensor (not shown) | ⑩ Balancing Valve | |
| ④ 24Vac Transformer | | ⑪ Isolation Valve | |



Stk#	Description	Pkg Qty	Unit	List Price / Unit
New! SMP400D-680	SMP 400MBH Copper Snow Melt Panel BACnet (No HEX; 30090,30091 sold sep)	1	ea.	\$ 38,831.00

SMP 335-425 MBH Snow Melt Panels with Heat Exchangers SMP000 Series

The SMP335-425-654 Snow Melt Panels are central operations centers for fully automatic snow melt systems requiring isolation. Includes the secondary pump, snow melt control, mixing valve, mixing valve motor, transformer, thermometer, pressure gauges, heat exchangers, air eliminator, balancing valves, and isolation valves.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Primary

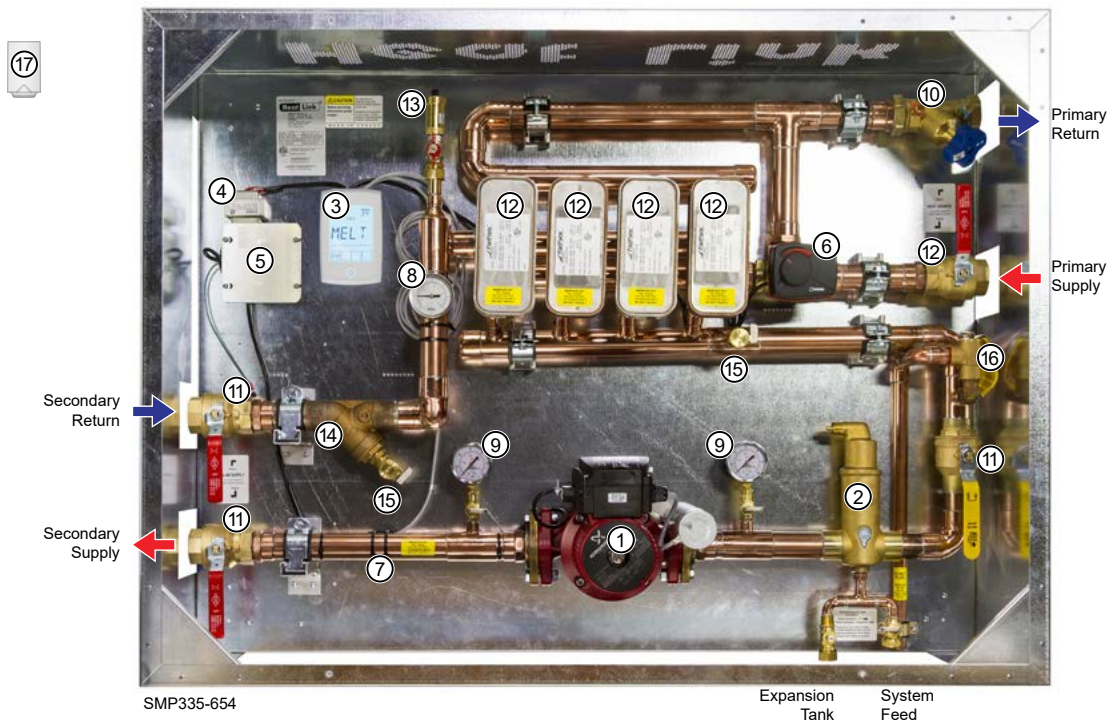
and Secondary Pumps, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the idling temperature.

- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the pumps, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUBSMP000-654-HEX](#).

Panel Components

- | | | | |
|------------------------|------------------------------------|----------------------|---|
| ① Secondary Pump | ⑥ 3-Way Diverting Valve with Motor | ⑩ Balancing Valve | ⑮ Drain and Fill Valve |
| ② Air Eliminator | ⑦ Supply Sensor | ⑪ Isolation Valve | ⑯ Pressure Relief Valve |
| ③ Snow Melt Control | ⑧ Thermometer | ⑫ Heat Exchanger | ⑰ Outdoor Sensor |
| ④ 24Vac Transformer | ⑨ Pressure Gauge | ⑬ Automatic Air Vent | <input checked="" type="checkbox"/> Panel Cover (not shown) |
| ⑤ Relay/Electrical Box | | ⑭ Strainer | |



Stk#	Description	Pkg Qty	Unit	List Price / Unit
SMP335-654	SMP 335MBH Copper Snow Melt Panel 4x20 Plate HEX (30090,30091 sold sep)	1	ea.	\$ 42,209.00
SMP425-654	SMP 425MBH Copper Snow Melt Panel 4x30 Plate HEX (30090,30091 sold sep)	1	ea.	\$ 43,069.00

SMP 335-425 MBH Snow Melt Panels with Heat Exchangers SMP000-680 Series

The SMP335-425-680 Snow Melt Panels are central operations centers for fully automatic snow melt systems requiring isolation. Includes the secondary pump, snow melt control, mixing valve, mixing valve motor, transformer, thermometer, pressure gauges, heat exchangers, air eliminator, balancing valves, and isolation valves.

The snow melt control requires either the Snow/Ice Detector and Socket or Aerial Snow Detector and Slab Sensor(s), all sold separately, see [page 138](#).

Sequence of operation:

- When the temperature read by the Snow/Ice Detector and Outdoor Sensor is below warm weather shutdown setting, the Snow Melt Control will activate. The Snow Melt Control will start the Primary

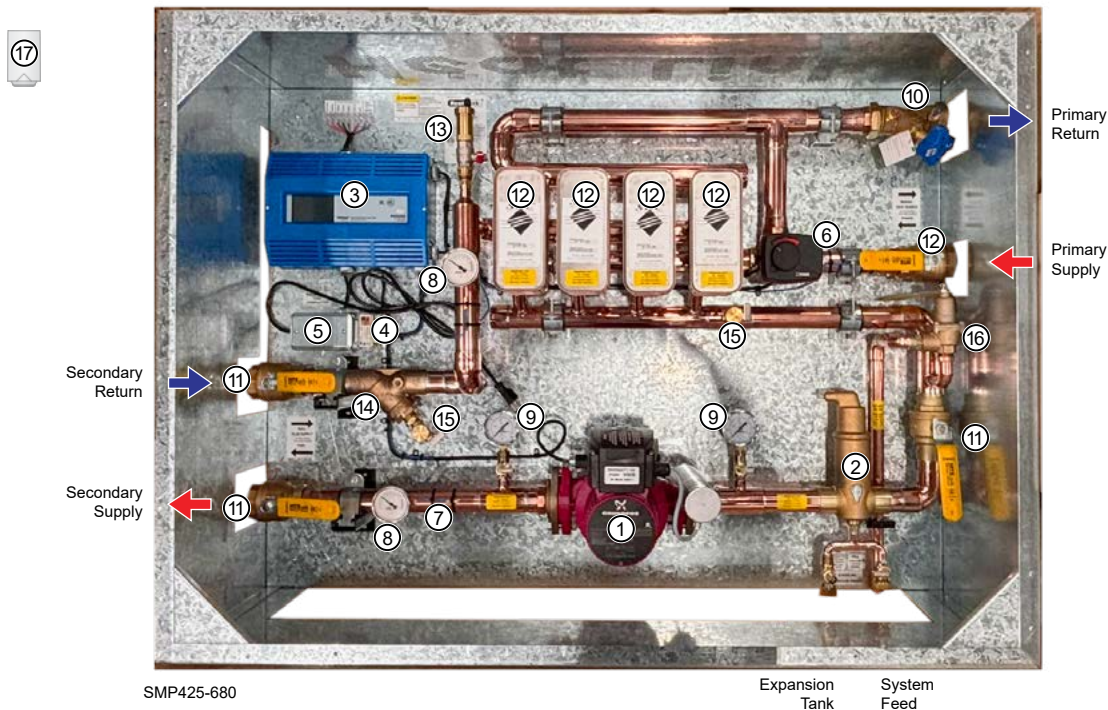
and Secondary Pumps, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the idling temperature.

- When the Snow/Ice Detector senses snow fall, the Snow Melt Control will start the Primary and Secondary Pumps, close the Auxiliary Terminals, and open the mixing valve to increase the slab surface temperature to the melting temperature. When no more snow is detected by the Snow/Ice Detector, the Snow Melt Control continues to operate the system for an additional user adjustable period of time.
- When the temperature read by the Outdoor Sensor is below cold weather cut out setting and the slab is below freezing, the Snow Melt Control will continue to run the pumps, but open the Auxiliary Terminals.

For complete specifications, see submittal [SUBSMP000-680-HEX](#).

Panel Components

- | | | | |
|---------------------|------------------------------------|----------------------|---|
| ① Secondary Pump | ⑥ 3-Way Diverting Valve with Motor | ⑩ Balancing Valve | ⑮ Drain and Fill Valve |
| ② Air Eliminator | ⑦ Supply Sensor | ⑪ Isolation Valve | ⑯ Pressure Relief Valve |
| ③ Snow Melt Control | ⑧ Thermometer | ⑫ Heat Exchanger | ⑰ Outdoor Sensor |
| ④ 24Vac Transformer | ⑨ Pressure Gauge | ⑬ Automatic Air Vent | <input checked="" type="checkbox"/> Panel Cover (not shown) |
| ⑤ Electrical Box | | ⑭ Strainer | |



SMP425-680

Expansion Tank

System Feed

	Stk#	Description	Pkg Qty	Unit	List Price / Unit
New!	SMP335-680	SMP 335MBH Copper Snow Melt Panel 4x20 Plate HEX BACnet (30090,30091 sold sep)	1	ea.	\$ 48,161.00
New!	SMP425-680	SMP 425MBH Copper Snow Melt Panel 4x30 Plate HEX BACnet (30090,30091 sold sep)	1	ea.	\$ 49,021.00



Snow/Ice Detector (Sensor)
Stk# 30090, 30091

This snow/ice sensor in conjunction with the snow melt control, activates and controls a snow melting system based on moisture (snow/ice) and slab temperature. This control is not designed as a simple detection device and will not operate properly in an unheated slab.

For use with snow melt panels using 30654 or 31680 control.

For complete specifications, see submittal [SUB30090](#).

Stk#	Description	Pkg Qty	Unit	List Price / Unit
30090	Snow/Ice Sensor (10K) 65 ft cable	1	ea.	\$ 2,207.63
30091	Snow/Ice Sensor Socket	1	ea.	\$ 501.73



Aerial Mounted Snow Sensor
Stk# 30095

This aerial mounted snow sensor in conjunction with a compatible snow melt control, activates a snow melting system based on moisture (snow). It mounts to a nominal 1/2" (16 mm) metal or PVC conduit or pole.

For use with snow melt panels using 30654 or 31680 control.

For complete specifications, see submittal [SUB30095](#).

Stk#	Description	Pkg Qty	Unit	List Price / Unit
30095	Aerial Mounted Snow Sensor	1	ea.	\$ 469.17



Slab Sensor
Stk# 30072, 30073

Sensors for use in measuring slab or ground temperatures. The 30072 and 30073 standard sensors with PVC sleeve are designed for use in soil or concrete.

For use with snow melt panels using 30654 or 31680 control.

For complete specifications, see submittal [SUB30072](#).

Stk#	Description	Pkg Qty	Unit	List Price / Unit
30072	Slab Sensor (10K) PVC Sleeve 20ft Cable	1	ea.	\$ 318.67
30073	Slab Sensor (10K) PVC Sleeve 40ft Cable	1	ea.	\$ 543.86



J-Clips 12000 Series

Fasten tubing to joists.

For complete specifications, see submittal [SUB12000](#).

New!

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
12052	½" & ¾" J-Clip	100	2000	ea.	\$ 0.20
12005	½" J-Clip	100	2000	ea.	\$ 0.21
12022	¾" J-Clip	100	1000	ea.	\$ 0.25
12028	1" J-Clip	50	500	ea.	\$ 0.42



Plastic Bend Support 86100 Series

Allows for easy bending support and removal.

For complete specifications, see submittal [SUB86100](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
86105	Plastic Bend Support for ¾" and ½" Tubing	1	300	ea.	\$ 2.05
86122	Plastic Bend Support for ¾" Tubing	1	400	ea.	\$ 4.26



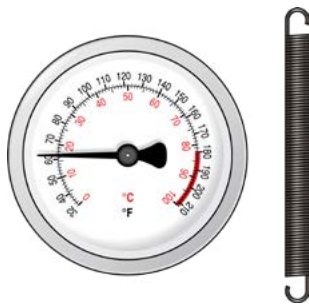
PEX-a Tubing Supports 88200 Series

HeatLink PEX-a tubing supports are self gripping galvanized steel, and are ideal for all commercial potable and hydronic installations, maintaining alignment of tubing.

The supports control the direction of expansion and prevent snaking, while allowing more space between hanger placements, saving installation time and money.

For complete specifications, see submittal [SUB88200](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
88205	½" 9ft PEX-a Tubing Support	5		ea.	\$ 19.38
88222	¾" 9ft PEX-a Tubing Support	5		ea.	\$ 21.50
88228	1" 9ft PEX-a Tubing Support	5		ea.	\$ 22.60
88235	1-¼" 9ft PEX-a Tubing Support	5		ea.	\$ 29.09
88241	1-½" 9ft PEX-a Tubing Support	5		ea.	\$ 32.02
88254	2" 9ft PEX-a Tubing Support	5		ea.	\$ 37.19



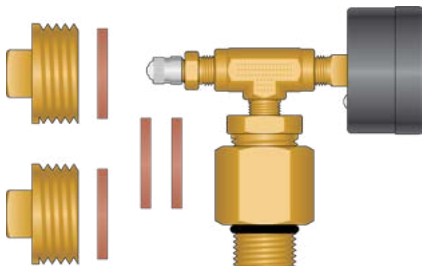
HeatLink® Strap-on Thermometer
Stk# 76940

This surface mounted thermometer is used to measure surface temperatures of metallic piping. The Strap-on Thermometers can be mounted on pipe sizes ranging from 3/8" to 1-1/2". Suggested applications: Use on stainless steel manifolds or supply and return piping to measure water temperatures.

Range: 0 - 100°C, 32 - 212°F (dual scale)

For complete specifications, see submittal [SUB76940](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76940	Strap-on Thermometer	1		ea.	\$ 45.97



Pressure Test Kit
Stk# 79935

Pressure test kit for use with heating manifolds.

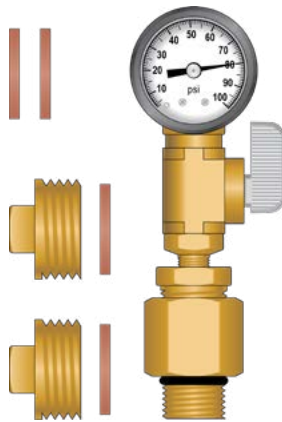
TwistSeal® - replaces automatic air vent on cross tee for testing purposes.
Stainless Steel - replaces a flow meter or hose bib for testing purposes.

Kit includes two 1" plugs and 4 red rubber gaskets (2 are spares).

For air tests with the TwistSeal® Mini, use the red rubber gaskets; for hydrostatic tests use green fibre gaskets (included in manifold assembly kit).

For complete specifications, see submittal [SUB79935](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79935	Pressure Test Kit	1		ea.	\$ 339.97



Pressure Test Kit with Valve
Stk# 79965

Pressure test kit with valve for use with heating manifolds. The valve allows the gauge to be 'zeroed' and demonstrate the system is under pressure.

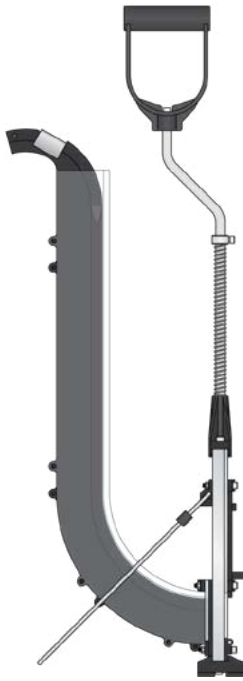
TwistSeal® - replaces automatic air vent on cross tee for testing purposes.
Stainless Steel - replaces a flow meter or hose bib for testing purposes.

Kit includes two 1" plugs and 4 red rubber gaskets (2 are spares).

For air tests with the TwistSeal® Mini, use the red rubber gaskets; for hydrostatic tests use green fibre gaskets (included in manifold assembly kit).

For complete specifications, see submittal [SUB79935](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79965	Pressure Test Kit with Extra Valve to Zero Gauge	1		ea.	\$ 390.90

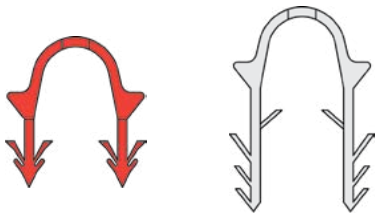


HeatLink® Deluxe Staple Gun
Stk# 10230

Lightweight and easy to use manual staple gun. Use 89250 series staples to fasten up to 5/8" (or 20 mm O.D.) PEX tubing to polystyrene insulation.

For complete specifications, see submittal [SUB10230](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
10230	HeatLink® Deluxe Staple Gun	1		ea.	\$ 935.42



Staples for Deluxe Staple Gun
89250 Series

Staples for fastening up to 5/8" (or 20mm O.D.) PEX tubing to polystyrene insulation. For use with HeatLink® Deluxe Staple Gun #10230.

For complete specifications, see submittal [SUB89250](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
89251	300× 1-1/2" Staples for HeatLink® Deluxe Staple Gun	1	20	box	\$ 103.79
89252	300× 2" Staples for HeatLink® Deluxe Staple Gun	1	10	box	\$ 128.11



Staples for Stand-up Stapler (old style)
89240 Series

Staples for fastening up to 1/2" (or 18mm O.D.) PEX tubing to polystyrene insulation. For use with Stand-up Stapler #10220 (discontinued).

For complete specifications, see submittal [SUB89240](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
89244	300× 2-3/8" (60mm) Staples for Stand-up Stapler	1	20	box	\$ 80.15


HeatLink® Galvanized PEX Tubing Dispenser
Stk# 10005

A PEX tubing dispenser is invaluable for tubing installation. Made of galvanized steel for long-term durability and maintenance free operation. Easy assembly and disassembly without tools.

Specifications:

- PEX diameter: up to ¾"
- Max coil weight: 90 lb (40 kg)
- Max coil height: 16" (60 cm)
- Min inner coil diameter: 11-½" (29 cm)
- Max outer coil diameter: 50" (127 cm)

For complete specifications, see submittal [SUB10005](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
10005	HeatLink Galvanized PEX Tubing Dispenser	1		ea.	\$ 878.00


PEX Tubing Cutters
Stk# 10100

Quick precision cutting on PEX tubing or non-metallic tubing.

For complete specifications, see submittal [SUB10100](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
10100	HeatLink® PEX Tubing Cutters	1	50	ea.	\$ 25.82


PEX Tubing Cutter
Stk# 10101

Radial tubing cutter for ½" and ¾" PEX. Keeps tubing round so fittings are easy to insert.

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
10101	HeatLink Red PEX Pipe Cutter (QC ½" & ¾")	1		ea.	\$ 40.72



Multi-purpose Wrench
Stk# 79922

Wrench for use with TwistSeal[®] and TwistSeal[®] Mini manifold module nut and valve base.

For complete specifications, see submittal [SUB79922](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79922	Multiwrench for Manifold Nut and Base	1		ea.	\$ 19.69



Assembly Tool for TwistSeal[®] Mini Multiport Valves
Stk# 78314

Tool used to remove and install TwistSeal[®] Mini Multiport valve cartridges.

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
78314	Assembly tool for TwistSeal [®] Mini Multiport Valves	1		ea.	\$ 16.88

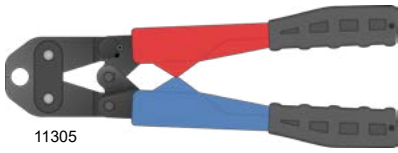


Non-Toxic Silicone O-Ring Lubricant
Stk# 79951 & 79952

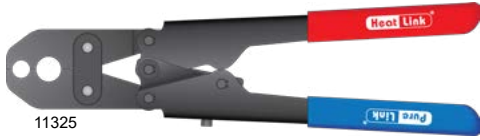
Lubrication for the manifold o-rings. Non-toxic silicone grease. Highly recommended for trouble free installation of manifold components.

For more information, see SDS alternative [L2801](#).

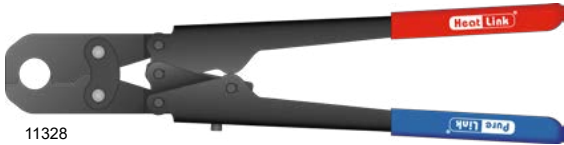
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
79951	100g Bottle Non-toxic Silicone O-ring Lubricant	1		ea.	\$ 74.13
79952	10g Bottle Non-toxic Silicone O-ring Lubricant	1		ea.	\$ 15.34



11305



11325



11328

Press Tool for Stainless Steel Sleeves 11300 Series

Designed to create a watertight seal, the Press Sleeve Tool has a toggle action handle. Easy to load and simple to press, the pressed stainless steel sleeve provides a finished appearance on the transition from the end of the PEX to the insert fitting.

For complete specifications, see submittal [SUB11300](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
11305	½" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 482.43
11322	¾" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 482.46
11325	½" & ¾" Combo Standard Press Tool for SS Sleeve	1	10	ea.	\$ 698.31
11328	1" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 798.08
11335	1-¼" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 1,191.79
11341	1-½" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 1,363.95



Confined Space Press Tool for Stainless Steel Sleeves Stk# 11430 Series

The new Confined Space Press Tool is designed for one or two handed pressing and its unique design and expanded utility showcase HeatLink's focus on listening to the needs of customers and developing effective solutions for challenging situations. The Confined Space Tool is perfect for use in tight spaces where HPP Multiport Tees are used. It incorporates a "W" press profile for visual identification of an effective press and the handles can be opened in narrow spaces. The new tool is also smaller and lighter than the 11300 series press tools.

For complete specifications, see submittal [SUB11430](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
11433	½" Confined Space Press Tool	1	20	ea.	\$ 553.07
11434	¾" Confined Space Press Tool	1	20	ea.	\$ 553.31

Slim-line Power Press Tool

Stk# 11500



HeatLink’s Slim-line Power Press Tool is designed for increased efficiency and reduced fatigue for plumbing and heating system installers. The new Slim-line tool makes larger diameter PEX connections effortless and has interchangeable jaws (sold separately) ranging from ½" to 1-½". Short pressing cycles of 3-4 seconds are now possible with HeatLink’s new Slim-line tool and its efficiency is further supported by an extremely quick charging time of just 15 minutes. The tool is built using high quality and powerful Makita Li-Ion technology and incorporates biodegradable oil that is non-hazardous to water and has received the “Blue Angel” ecolabel.

Comes with one 18V 1.3Ah Li-ion battery, battery charger, and hard plastic case.

Jaws for the Power Press Tool are sold separately.

For complete specifications, see submittal [SUB11500](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
11500	Slim-line Power Press Tool	1		ea.	\$ 5,209.42

Jaws for Slim-line Power Press Tool

11500 Series



Jaws for use with the Slim-line Power Press Tool (#11500).

Compatible with the following third-party tools:

- Hilti NUN 54-22
- Nibco PC-20M Mini
- Nibco PC-10M Mini
- Ridgid RP 115
- Rothenberger Compact

May be compatible with other third-party tools, please contact your local representative to confirm.

For complete specifications, see submittal [SUB11505](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
11505	½" Jaws for Slim-line Power Press Tool	1	14	ea.	\$ 656.63
11522	¾" Jaws for Slim-line Power Press Tool	1	14	ea.	\$ 655.73
11528	1" Jaws for Slim-line Power Press Tool	1	14	ea.	\$ 666.89
11535	1-¼" Jaws for Slim-line Power Press Tool	1	14	ea.	\$ 697.99
11541	1-½" Jaws for Slim-line Power Press Tool	1	14	ea.	\$ 817.41



Power Press Tool with Pistol Grip Stk# 11600

HeatLink's new Pistol Grip Power Press Tool is designed for increased efficiency and reduced fatigue for plumbing and heating system installers. The Pistol Grip tool makes large diameter PEX connections effortless and features interchangeable jaws (sold separately) ranging from 1/2" to 2". Short pressing cycles of 3-4 seconds are now possible with HeatLink's new Pistol Grip tool, and its efficiency is further supported by an extremely quick charging time of just 15 minutes. The tool is built using high quality and powerful Makita Li-Ion technology and incorporates biodegradable oil that is non-hazardous to water and has received the "Blue Angel" ecolabel.

Comes with one 18V 1.3Ah Li-ion battery, battery charger, and hard plastic case.

Jaws for the Power Press Tool are sold separately.

For complete specifications, see submittal [SUB11600](#).

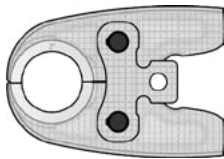
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
11600	Power Press Tool with Pistol Grip	1		ea.	\$ 7,050.95

Jaws for Power Press Tool with Pistol Grip 11600 Series

Jaws compatible with the following third-party tools:



11628
















11654W

- Hilti NPR 32-22
- Hilti NPR 32 XL-22
- Nibco PC-280
- Nibco PC-100
- Ridgid 320-E
- Ridgid RP330-B
- Ridgid CT400
- Ridgid RP330-C
- Ridgid RP340
- Milwaukee 2673-20
- Milwaukee 2673-20L
- Milwaukee 2773-20
- Milwaukee 2773-20L
- Milwaukee 2922-20
- REMS 571011
- REMS 577010
- REMS 572111
- REMS 571013
- REMS 571014
- Victaulic Vic-Press™ Tool - Style PFT510


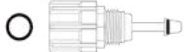







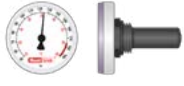





May be compatible with other third-party tools, please contact your local representative to confirm.

For complete specifications, see submittal [SUB11605](#).
















Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
11605	1/2" Jaws for Power Press Tool with Pistol Grip	1	14	ea.	\$ 724.68
11622	3/4" Jaws for Power Press Tool with Pistol Grip	1	14	ea.	\$ 725.29
11628	1" Jaws for Power Press Tool with Pistol Grip	1	14	ea.	\$ 812.73
11635	1-1/4" Jaws for Power Press Tool with Pistol Grip	1	14	ea.	\$ 833.16
11641	1-1/2" Jaws for Power Press Tool with Pistol Grip	1	14	ea.	\$ 901.06
11654W	2" Jaws for Power Press Tool with Pistol Grip	1		ea.	\$ 1,551.03

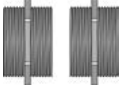
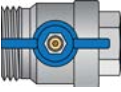
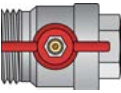










	Stk#	Description	Qty	Unit	List Price / Unit
TwistSeal® (55mm) Manifold					
	78401	TwistSeal® Deluxe (55mm) Zone Valve Supply Module (c/w o-ring)	1	ea.	\$ 156.68
	78402	TwistSeal® Deluxe (55mm) Balancing Return Module (c/w o-ring)	1	ea.	\$ 146.79
	78411	TwistSeal® (55mm) Zone Valve Replacement Cartridge c/w O-ring	1	ea.	\$ 104.99
	78911	TwistSeal® (55mm) Zone Valve Upgrade Assembly	1	ea.	\$ 100.37
	78912	TwistSeal® (55mm) Balance Valve Assembly	1	ea.	\$ 77.97
	78924	O-ring for TwistSeal® (55mm) Manifold Module O-ring #223.	5	ea.	\$ 5.35
	79901	TwistSeal® (55mm) Closed End Cap Self-sealing end piece which closes manifold.	1	ea.	\$ 18.35
	79902	1" TwistSeal® (55mm) Supply End Connection Self-sealing end-piece with 1" FNPT brass insert. (c/w o-ring).	1	ea.	\$ 104.53
	79908	TwistSeal® (55mm) Cross Tee	1	ea.	\$ 62.04
TwistSeal® Mini (40mm) Manifold					
	78210	TwistSeal® Mini Deluxe (40mm) Zone Valve Supply Module The supply module (c/w o-ring) provides on/off manual control to allow isolation of individual loops.	1	ea.	\$ 105.73
	78211	TwistSeal® Mini Deluxe (40mm) Balancing Return Module	1	ea.	\$ 108.61
	78221	TwistSeal® Mini (40mm) Zone Valve Replacement Cartridge c/w O-ring For TwistSeal® Mini (40 mm) shut-off modules.	1	ea.	\$ 51.97
	78311	TwistSeal® Mini Z.V. Rplcmnt. Cartridge for MultiportModule	1	ea.	\$ 34.75
	78312	TwistSeal® Mini Flow Meter Replacement Cartridge for 78300 Modules	1	ea.	\$ 66.39













	Stk#	Description	Qty	Unit	List Price / Unit
	78811	TwistSeal® Mini (40mm) Z.V. Upgrade Asmbl. Upgrade TwistSeal® Mini (40 mm) valveless or compression stop modules so they can accept an actuator.	1	ea.	\$ 83.67
	78812	TwistSeal® Mini (40mm) Balance Valve Assembly For TwistSeal® Mini (40 mm) modules.	1	ea.	\$ 78.46
	78923	O-ring for TwistSeal® Mini (40mm) & EasyFit™ Manifold Modules O-ring #123.	5	ea.	\$ 3.32
	79801	TwistSeal® Mini (40mm) Closed End Cap Self-sealing end-piece which closes manifold.	1	ea.	\$ 12.98
	79808	TwistSeal® Mini (40mm) Cross Tee c/w O-ring - <i>While Supplies Last</i> (c/w o-ring)	1	ea.	\$ 32.90
	79815	1" TwistSeal® Mini (40mm) Union Cross Tee End Connection (c/w o-ring)	1	ea.	\$ 108.65
	79942	Pair Thermometers for TwistSeal® Mini Union Cross Tee End Connection	1	pair	\$ 69.92
	79953	Red Rubber Gasket for 1" Union End Connection (40mm) Air Tests - <i>While Supplies Last</i>	1	pair	\$ 10.31
	79954	Gasket for TwistSeal® Mini (40mm) 1" Union Supply End Connection	1	pair	\$ 10.15
TwistSeal® (40 & 55mm) Manifold					
	77012	3/8" PEX to TwistSeal® Manifold Connector - <i>While Supplies Last</i>	1	pair	\$ 33.20
	77729	O-ring for PEX to TwistSeal® Manifold Connector 15x2mm o-ring for use with #77000 Series & #23000 Series.	10	ea.	\$ 1.58
	78902	Plastic Nut for TwistSeal® Manifold Modules	1	ea.	\$ 11.32
	78904	Shut-off Cap TwistSeal® - Red	1	ea.	\$ 8.62
	78905	TwistSeal® Zone Actuator Base (40mm & 55mm)	1	ea.	\$ 3.81
	78906	Balancing Valve Cap with Clip for TwistSeal® Manifold	1	ea.	\$ 19.36
















	Stk#	Description	Qty	Unit	List Price / Unit
	78921	O-ring for TwistSeal® Valve Insert (40 & 55mm) - <i>While Supplies Last</i> O-ring #116.	5	ea.	\$ 1.24
	78922	O-ring for TwistSeal® Balancing Shaft - 6×2mm (Cone Side) - <i>While Supplies Last</i>	5	ea.	\$ 2.90
	79911	½" Cross Tee Plug For use with Cross Tee, comes complete with o-ring.	1	ea.	\$ 4.65
	79930	Metal Hose Bib System can easily be charged at manifold location. For use with the Cross Tee.	1	ea.	\$ 108.49
	79931	Manual Air Vent Used for manually removing air from system. For use with the Cross Tee.	1	ea.	\$ 16.04
	79932	Metal Automatic Air Vent Automatically removes air from system. For use with Cross Tee.	1	ea.	\$ 89.46
	79933	Manual Air Vent Key - 5mm Square, Blue Opens the manual air vent (#79931).	1	ea.	\$ 4.05
	79934	Plastic Hose Bib - <i>While Supplies Last</i> System can easily be charged at manifold location. For use with the Cross Tee.	1	ea.	\$ 50.39
	79936	Plastic Automatic Air Vent Automatically removes air from system. For use with Cross Tee.	1	ea.	\$ 40.69
	79940	Pair Thermometers c/w Well for TwistSeal® Manifolds	1	pair	\$ 160.72
	79955	O-ring for ½" Cross Tee Accessories - <i>While Supplies Last</i> O-ring #115.	5	ea.	\$ 0.93
1-¼" Stainless Steel Manifold (76100 & 76200 Series)					
	76100	76100 & 76200 series Coupling for 1-¼" Stainless Steel Manifold - <i>While Supplies Last</i>	1	ea.	\$ 58.18
	76101	76100 & 76200 series Mounting Bracket for 1-¼" SS Manifold - <i>While Supplies Last</i>	1	ea.	\$ 54.02
	76905	76100 & 76200 series ½" Plug for 1-¼" Stainless Steel Manifold - <i>While Supplies Last</i>	1	ea.	\$ 12.18
	76911	76100 & 76200 series Zone Valve Insert for 1-¼" SS Manifold (Return) - <i>While Supplies Last</i>	1	ea.	\$ 40.55










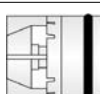



	Stk#	Description	Qty	Unit	List Price / Unit
	76912	76200 series Balancing Valve Insert for High Flow 1-1/4" SS Manifold (Supply) - <i>While Supplies Last</i>	1	ea.	\$ 29.89
	76916	76100 series Flow Meter Valve Insert (0-1.5 USgpm Lock Nut) for 1-1/4" SS Mfd (Sup.) - <i>While Supplies Last</i> Only compatible with #76918 Manifold Connector Base.	1	ea.	\$ 70.33
	76917	76100 series Flow Meter Valve Insert (0-6 L/min) for 1-1/4" SS Manifold (New Design) - <i>While Supplies Last</i>	1	ea.	\$ 68.45
	76918	76100 series Connector Base for 1-1/4" SS Manifold (Flow Meter w/Lock Nut) Only compatible with #76916 Flow Meter with Lock Nut. - <i>While Supplies Last</i>	1	ea.	\$ 14.22
	76922	76100 & 76200 series 1" Ball Valve Set for 1-1/4" SS Manifold - <i>While Supplies Last</i>	1	set	\$ 311.27
	76925	76100 & 76200 series Black Shut-off Cap for 1-1/4" SS Manifold - <i>While Supplies Last</i>	1	ea.	\$ 7.19
	76930	76100 & 76200 series Hose Bib for 1-1/4" SS Manifold - <i>While Supplies Last</i>	1	ea.	\$ 68.09
	76932	Automatic Air Vent for 1-1/4" SS Manifold - <i>While Supplies Last</i>	1	ea.	\$ 53.63
	76935	76100 & 76200 series Side Mount Automatic Air Vent Set for 1-1/4" Stainless Steel Manifold - <i>While Supplies Last</i>	1	ea.	\$ 130.07
1-1/4" Stainless Steel Manifold Connectors					
	77120	20mm PEX to 1-1/4" SS Manifold Connector	1	pair	\$ 41.98
	77305	1/2" PEX Insert to 1-1/4" SS Manifold Connector - <i>While Supplies Last</i> Not compatible with 75100/75200 Series Manifolds.	1	pair	\$ 32.56
1-1/4" Stainless Steel Manifold (75100 & 75200 Series)					
	76950	Flow Meter Valve Insert (0-2 USgpm Lock Nut) for 1-1/4" SS Mfd (Sup.)	1	ea.	\$ 70.33
	76951	Connector Base for 1-1/4" SS Manifold (Flow Meter w/Lock Nut)	1	ea.	\$ 14.22
	76952	Connector Base for 1-1/4" SS Manifold	1	ea.	\$ 14.30
	76953	Balancing Valve Insert for 1-1/4" High Flow SS Manifold (Supply)	1	ea.	\$ 29.89

	Stk#	Description	Qty	Unit	List Price / Unit
	76954	Zone Valve Insert for 1-1/4" SS Manifold (Return)	1	ea.	\$ 39.29
	76956	1-1/4" EPDM Gasket	10	ea.	\$ 5.08
	76958	O-ring for 1-1/4" SS Manifold 1/2" G Accessories	10	ea.	\$ 2.77
	76959	O-ring for 1-1/4" SS Manifold 1" G Connections	10	ea.	\$ 4.23
	76960	Blue Shut-off Cap for 1-1/4" SS Manifold	1	ea.	\$ 7.19
	76961	Mounting Bracket for 1-1/4" SS Manifold	1	pair	\$ 54.02
	76972	Hose Bib for SS Manifold	1	ea.	\$ 41.61
	76973	1" Ball Valve Set for 1-1/4" SS Manifold Comes with two gaskets.	1	set	\$ 216.51
	76974	Pair of Thermometers for 75100/75200 Series Manifolds	1	pair	\$ 41.42
1-1/2" Stainless Steel Manifold (76700 Series)					
	76966	EPDM Gasket for 1-1/2" SS Manifold End Cap	10	ea.	\$ 5.62
	76967	2" EPDM Gasket	10	ea.	\$ 5.62
	76968	Mounting Brackets for 1-1/2" SS Manifold, Low Type	1	ea.	\$ 75.42
	76969	Mounting Brackets for 1-1/2" SS Manifold, High Type	1	ea.	\$ 83.59
	76970	Flow Meter 2-8 US GPM	1	ea.	\$ 260.69
	76971	Ball Valve for 1-1/2" SS Manifold Gasket (NTRWSH1) sold separately.	1	ea.	\$ 80.73

	Stk#	Description	Qty	Unit	List Price / Unit
2" Stainless Steel Manifold (76600 Series)					
	76600	Coupling for 2" SS Manifold - <i>While Supplies Last</i>	1	pair	\$ 221.24
	76681B	3/4" Ball Valve for 2" SS Manifold - Blue Handle	1	ea.	\$ 41.29
	76681R	3/4" Ball Valve for 2" SS Manifold - Red Handle	1	ea.	\$ 41.29
	77600	O-Ring for 2" Manifold PEX Connecters - <i>While Supplies Last</i>	1	ea.	\$ 1.75
	77619	5/8" PEX to 2" SS Manifold Connector - <i>While Supplies Last</i>	1	pair	\$ 74.01
	77622	3/4" PEX to 2" SS Manifold Connector - <i>While Supplies Last</i>	1	pair	\$ 77.42
	77628	1" PEX to 2" SS Manifold Connector - <i>While Supplies Last</i>	1	pair	\$ 104.32
Housings					
	71903	Flat Key Lock for Recessed Housing Door Replacement key lock with flat lever for 71700 series recessed manifold housings with door frame.	1	ea.	\$ 76.38
PEX Compression Couplings					
	69296	20 × 16mm PEX Comp. Coupling Couples 20x2 mm PEX tubing to 16x2 mm (1/2" compatible) PEX tubing.	2	ea.	\$ 47.49
Valves - 3-Way Mixing					
	63026.1	1" 3- & 4-Way Valve Shaft & Seal Kit	1	ea.	\$ 143.76
	63542.1	1-1/4" and 1-1/2" 3- & 4-Way Valve Shaft & Seal Kit	1	ea.	\$ 125.81
	63551.1	2" 3- & 4-Way Valve Shaft & Seal Kit	1	ea.	\$ 125.81
Valves					
	64950	1-1/2" & 2" 4-Way Cast Iron Mixing Valve Repair Kit - <i>While Supplies Last</i> For 3-way v1 and 4-way v1 mixing valves.	1	ea.	\$ 461.16

	Stk#	Description	Qty	Unit	List Price / Unit
Mixing Valve Motors					
	58130.1	Adapter for HeatLink 1"- 2" Rotary Actuator to WITA Valve	1	ea.	\$ 140.57
	58850	AccssryPack #58150 v2 Mounted on Black CastIronMixingVlv - <i>While Supplies Last</i>	1	ea.	\$ 49.66
	58199	Mixing Valve Motor for 2-1/2" to 4" Flange Mixing Valves - <i>While Supplies Last</i>	1	ea.	\$ 582.98
	58200.1	Metal Drive Sleeve for 58200 / 58300 Mixing Valve Motor	1	ea.	\$ 179.77
Actuators					
	56090	TwistSeal® Manifold Actuator Ring - <i>While Supplies Last</i>	1	ea.	\$ 6.12
	56091	Valve Actuator Ring - <i>While Supplies Last</i>	1	ea.	\$ 6.38
Relays					
	45032	8 Pin Round Socket for AC Relay - <i>While Supplies Last</i>	1	ea.	\$ 46.39
System Controls					
	ETO2SMCNTR	Snowmelt Control - DDC (Spare parts for #SMCP) - <i>Call for Availability</i>	1	ea.	\$ 2,242.45
Sensors					
	DRVWSNS-SS	Driveway Sensor for SMP Panels	1	ea.	\$ 2,408.94
	ETF-144/99A	Slab Sensor (12k) PVC Sleeve 8ft Cable for ETO2SMCNTR SnowmeltController	1	ea.	\$ 198.16
	ETF-1733/44/55	Optional Outdoor Sensor for SMCP & SMP Panels	1	ea.	\$ 409.45
	ETF1899ASNS	Sensor NTC 12K (Spare parts for #SMCP) - Special Order**	1	ea.	\$ 179.80

	Stk#	Description	Qty	Unit	List Price / Unit
Tools					
	11328.1	1" Standard Press Tool for SS Sleeve - Go-No-Go Gauge - <i>While Supplies Last</i>	1	ea.	\$ 32.45
	11335.1	1-1/4" Standard Press Tool for SS Sleeve - Go-No-Go Gauge - <i>While Supplies Last</i>	1	ea.	\$ 26.43
	11433.1	Confined Space Tool Gauge (All Sizes)	1	ea.	\$ 14.72
	11438	E-Clips for Confined Space Tools (12 per bag) For 11433, 11434, and 11435.	1	bag	\$ 27.89
	11439	Rebuild Kit for Confined Space Tool For 11433 and 11434.	1	ea.	\$ 77.85
	11901	Replacement Retaining Rings for Press Tools (10 per bag) For 11305, 11322, 11325, 11328, 11335, 11341, 11405, and 11422.	1	bag	\$ 15.76
	11902	Rebuild Kit for Straight 1/2" & 3/4" Press Tools For metal and composite handle 11305 and 11322.	1	ea.	\$ 134.89
	11903	Rebuild Kit for 1", 1-1/4" Angle, Straight and Combo Press Tools For 11325, 11328, 11335, 11341, 11405, and 11422.	1	ea.	\$ 139.67
Mechanical Room in a Box					
	NTRWSH1	1" x 3mm Blk Nitrile Washer for Panels	5	ea.	\$ 6.13
	NTRWSH1-SRV	1" x 1.5mm Blk Nitrile (replacement washers Pre-2014 Panels)	5	ea.	\$ 5.22
	NTRWSH34	3/4" x 3mm Blk Nitrile Washer for Panels	5	ea.	\$ 3.13
	NTRWSH34-SRV	3/4" x 1.5mm Blk Nitrile (replacement washers Pre-2014 Panels)	5	ea.	\$ 2.64
	PLC1R2	Controller for TMP040/070, SMP, ZMP, ELB and old SSP/SST	1	ea.	\$ 1,231.69
	PLC4AR2	Controller for TMP085DP, TMP200DT	1	ea.	\$ 1,290.04
	PLC5R2	Controller for TWH070Z using FLWSWTCH	1	ea.	\$ 1,878.30

	Stk#	Description	Qty	Unit	List Price / Unit
	PLC6R2P3	Controller for CDP Panels with 3 Pumps - <i>Call for Availability</i>	1	ea.	\$ 1,424.25
	PLC6R2P4	Controller for CDP Panels with 4 Pumps - <i>Call for Availability</i>	1	ea.	\$ 1,794.58
	PLC7R1P1	Controller for WHP using HEPPS	1	ea.	\$ 1,450.38
	PLC7R1P2	Controller for HEP using HEPPS	1	ea.	\$ 1,450.38
	PLC7R1P2-TWH	Controller for TWH (except for Z models) using HEPPS	1	ea.	\$ 1,479.93
	PLC7R2P1	Controller for WHP using FLWSWTCH	1	ea.	\$ 1,231.07
	PLC7R2P2	Controller for HEP, TWH (except Z) using FLWSWTCH	1	ea.	\$ 1,231.66
	PWRB6R2	Power Box for CDP Panels - <i>While Supplies Last</i>	1	ea.	\$ 1,274.60
	PLINTR40VA	24Vac 40VA Plug-in Transformer for Panels	1	ea.	\$ 234.12
	CHVLV20	Check Valve for UPS15-58 Pump	1	ea.	\$ 43.65
	PUMP1558	UPS15-58CIL2 Composite 115V Pump	1	ea.	\$ 679.10
	PUMP2699	UPS26-99FC 115V Cast Iron Pump	1	ea.	\$ 1,608.39
	PUMP2699BR	UPS26-99BFC 115V Bronze Pump	1	ea.	\$ 2,578.07

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
01205	1L Corrosion Inhibitor (Molybdate Based)		1	bottle	\$ 129.41	88
02330	1-1/4" Magnetic Dirt Separator	New!	1	ea.	\$ 488.01	88
10005	HeatLink Galvanized PEX Tubing Dispenser		1	ea.	\$ 878.00	142
10091	Dispenser Pin Set For Narrow PEX Coils	WSL	1	set	\$ 285.15	
10100	HeatLink® PEX Tubing Cutters		1	ea.	\$ 25.82	142
10101	HeatLink Red PEX Pipe Cutter (QC 1/2" & 3/4")		1	ea.	\$ 40.72	142
10230	HeatLink® Deluxe Staple Gun		1	ea.	\$ 935.42	141
11305	1/2" Standard Press Tool for SS Sleeve		1	ea.	\$ 482.43	144
11322	3/4" Standard Press Tool for SS Sleeve		1	ea.	\$ 482.46	144
11325	1/2" & 3/4" Combo Standard Press Tool for SS Sleeve		1	ea.	\$ 698.31	144
11328	1" Standard Press Tool for SS Sleeve		1	ea.	\$ 798.08	144
11328.1	1" Standard Press Tool for SS Sleeve - Go-No-Go Gauge		1	ea.	\$ 32.45	154
11335	1-1/4" Standard Press Tool for SS Sleeve		1	ea.	\$ 1,191.79	144
11335.1	1-1/4" Standard Press Tool for SS Sleeve - Go-No-Go Gauge	WSL	1	ea.	\$ 26.43	154
11341	1-1/2" Standard Press Tool for SS Sleeve		1	ea.	\$ 1,363.95	144
11433	1/2" Confined Space Press Tool		1	ea.	\$ 553.07	144
11433.1	Confined Space Tool Gauge (All Sizes)		1	ea.	\$ 14.72	154
11434	3/4" Confined Space Press Tool		1	ea.	\$ 553.31	144
11438	E-Clips for Confined Space Tools (12 per bag)		1	bag	\$ 27.89	154
11439	Rebuild Kit for Confined Space Tool		1	ea.	\$ 77.85	154
11500	Slim-line Power Press Tool		1	ea.	\$ 5,209.42	145
11505	1/2" Jaws for Slim-line Power Press Tool		1	ea.	\$ 656.63	145
11522	3/4" Jaws For Slim-line Power Press Tool		1	ea.	\$ 655.73	145
11528	1" Jaws for Slim-line Power Press Tool		1	ea.	\$ 666.89	145
11535	1-1/4" Jaws for Slim-line Power Press Tool		1	ea.	\$ 697.99	145
11541	1-1/2" Jaws for Slim-line Power Press Tool		1	ea.	\$ 817.41	145
11600	Power Press Tool with Pistol Grip		1	ea.	\$ 7,050.95	146
11605	1/2" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 724.68	146
11622	3/4" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 725.29	146
11628	1" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 812.73	146
11635	1-1/4" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 833.16	146
11641	1-1/2" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 901.06	146
11654W	2" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 1,551.03	146
11901	Replacement Retaining Rings for Press Tools (10 per bag)		1	bag	\$ 15.76	154
11902	Rebuild Kit for Straight 1/2" & 3/4" Press Tools		1	ea.	\$ 134.89	154
11903	Rebuild Kit for 1", 1-1/4" Angle, Straight and Combo Press Tools		1	ea.	\$ 139.67	154
12005	1/2" J-Clip		100	ea.	\$ 0.21	139
12022	3/4" J-Clip		100	ea.	\$ 0.25	139
12028	1" J-Clip		50	ea.	\$ 0.42	139
12052	1/2" & 3/4" J-Clip	New!	100	ea.	\$ 0.20	139
13202M	2 Port, 3/4" PEX x Closed End HPP Mini Multiport Tee		5	ea.	\$ 10.163	13
13203M	3 Port, 3/4" PEX x Closed End HPP Mini Multiport Tee		5	ea.	\$ 13.516	13
13204	4 Port Single Row, 3/4" PEX x Closed End HPP Multiport Tee		5	ea.	\$ 42.440	13
13204M	4 Port, 3/4" PEX x Closed End HPP Mini Multiport Tee		5	ea.	\$ 17.191	13
13206	6 Port Single Row, 3/4" PEX x Closed End HPP Multiport Tee		5	ea.	\$ 50.672	13
13208	8 Port Single Row, 3/4" PEX x Closed End HPP Multiport Tee		5	ea.	\$ 82.534	13
14202M	2 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee		5	ea.	\$ 10.781	14
14203M	3 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee		5	ea.	\$ 14.211	14
14204	4 Port Single Row, 3/4" PEX x 3/4" PEX Flow Through HPP Multiport Tee		5	ea.	\$ 32.259	14
14204M	4 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee		5	ea.	\$ 17.762	14
14704	4 Port Single Row, 1" PEX x 3/4" PEX Flow Through HPP Multiport Tee		5	ea.	\$ 37.140	14

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
15005	½" PEX HPP Plug		25	ea.	\$ 0.934	25
15022	¾" PEX HPP Plug		25	ea.	\$ 1.528	25
15028	1" PEX HPP Plug		5	ea.	\$ 2.484	25
16222	¾" x ¾" x ¾" PEX HPP Tee		25	ea.	\$ 3.486	23
16225	¾" x ¾" x ½" PEX HPP Tee		25	ea.	\$ 3.261	23
16228	¾" x ¾" x 1" PEX HPP Tee		5	ea.	\$ 7.684	23
16252	¾" x ½" x ¾" PEX HPP Tee		25	ea.	\$ 3.467	23
16255	¾" x ½" x ½" PEX HPP Tee		25	ea.	\$ 2.750	23
16552	½" x ½" x ¾" PEX HPP Tee		25	ea.	\$ 2.941	23
16555	½" x ½" x ½" PEX HPP Tee		25	ea.	\$ 2.371	23
16822	1" x ¾" x ¾" PEX HPP Tee		5	ea.	\$ 7.865	23
16828	1" x ¾" x 1" PEX HPP Tee		5	ea.	\$ 7.383	23
16882	1" x 1" x ¾" PEX HPP Tee		5	ea.	\$ 7.273	23
16885	1" x 1" x ½" PEX HPP Tee		10	ea.	\$ 7.018	23
16888	1" x 1" x 1" PEX HPP Tee		10	ea.	\$ 9.291	23
17505	½" PEX x ½" MNPT HPP Adapter		25	ea.	\$ 2.661	19
17522	¾" PEX x ¾" MNPT HPP Adapter		25	ea.	\$ 3.470	19
17552	½" PEX x ¾" MNPT HPP Adapter		25	ea.	\$ 3.340	19
17755	½" PEX x ½" FNPT Swivel HPP Adapter		25	ea.	\$ 3.347	21
18005	½" x ½" PEX HPP Elbow		25	ea.	\$ 1.624	18
18022	¾" x ¾" PEX HPP Elbow		25	ea.	\$ 2.765	18
18028	1" x 1" PEX HPP Elbow		10	ea.	\$ 6.491	18
18225	¾" x ½" PEX HPP Elbow		10	ea.	\$ 2.582	18
18605	½" PEX x ½" FNPT HPP Swivel Elbow	WSL	25	ea.	\$ 3.050	21
19005	½" x ½" PEX HPP Coupling		25	ea.	\$ 1.289	17
19022	¾" x ¾" PEX HPP Coupling		25	ea.	\$ 1.970	17
19028	1" x 1" PEX HPP Coupling		10	ea.	\$ 3.827	17
19225	¾" x ½" PEX HPP Coupling		25	ea.	\$ 1.581	17
19282	1" x ¾" PEX HPP Coupling		5	ea.	\$ 3.742	17
20105	½" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 107.400	5
20105BW	½" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 119.300	7
20122	¾" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 186.600	5
20122BW	¾" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 206.900	7
20128	1" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 352.100	46, 5
20128BW	1" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 390.600	7
20135	1-¼" 100ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 682.000	9
20145	1-½" 100ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 899.700	9
20154	2" 100ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 1,790.900	9
20205	½" 20x20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 429.600	5
20205BW	½" 20x20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 477.200	7
20222	¾" 10x20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 373.200	5
20222BW	¾" 10x20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 413.800	7
20228	1" 5x20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 352.100	5
20228BW	1" 5x20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 390.600	7
20235	1-¼" 5x20ft PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 682.000	9
20245	1-½" 5x20ft PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 899.700	9
20254	2" 5x20ft PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 1,790.900	9
20305	½" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 322.200	46, 5
20305BW	½" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 357.900	7
20322	¾" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 559.800	46, 5
20322BW	¾" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 620.700	7

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
20328	1" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 1,056.300	46, 5
20328BW	1" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 1,171.800	7
20335	1-¼" 300ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 2,046.000	9
20345	1-½" 300ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 2,699.100	9
20354	2" 300ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 5,372.700	9
20505	½" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 537.000	46, 5
20522	¾" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 933.000	46, 5
20905	½" 1000ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 1,074.000	46, 5
21105	½" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 107.400	6
21105RW	½" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 119.300	8
21122	¾" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 186.600	6
21122RW	¾" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 206.900	8
21128	1" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 352.100	6
21128RW	1" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 390.600	8
21205	½" 20×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 429.600	6
21205RW	½" 20×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 477.200	8
21222	¾" 10×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 373.200	6
21222RW	¾" 10×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 413.800	8
21228	1" 5×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 352.100	6
21228RW	1" 5×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 390.600	8
21305	½" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 322.200	6
21305RW	½" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 357.900	8
21322	¾" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 559.800	6
21322RW	¾" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 620.700	8
21328	1" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 1,056.300	6
21328RW	1" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 1,171.800	8
21505	½" 500ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 537.000	6
23015	½" PEX Insert Manifold Connector		5	ea.	\$ 5.69	52
23032	¾" PEX Insert Manifold Connector c/w Nut		5	ea.	\$ 10.58	52
23305NL	½" PEX F1807 No Lead Brass Ball Valve, Full Port		10	ea.	\$ 12.560	27
23305NL-BF	½" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	New!	10	ea.	\$ 12.560	28
23305NL-D	½" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	New!	10	ea.	\$ 15.200	28
23322NL	¾" PEX F1807 No Lead Brass Ball Valve, Full Port		10	ea.	\$ 19.440	28
23322NL-BF	¾" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	New!	10	ea.	\$ 19.440	28
23322NL-D	¾" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	New!	10	ea.	\$ 23.530	28
23328NL	1" PEX F1807 No Lead Brass Ball Valve, Full Port		6	ea.	\$ 33.860	27
23328NL-BF	1" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	New!	6	ea.	\$ 33.860	28
23328NL-D	1" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	New!	10	ea.	\$ 40.980	28
23335NL	1-¼" PEX F1807 No Lead Brass Ball Valve, Full Port		4	ea.	\$ 53.590	27
23341NL	1-½" PEX F1807 No Lead Brass Ball Valve, Full Port		2	ea.	\$ 72.900	27
23354NL	2" PEX F1807 No Lead Brass Ball Valve, Full Port		2	ea.	\$ 122.660	27
23405NL	½" PEX × ½" No Lead M/Sweat Straight Ball Valve	WSL	24	ea.	\$ 11.820	
23505NL	½" PEX × ¾" O.D. No Lead Brass Plated Straight Ball Valve	WSL	24	ea.	\$ 30.545	26
23505NLB	½" PEX × ¾" O.D. No Lead Brass Plated Straight Ball Valve	New!	20	ea.	\$ 11.030	27
23605NL	½" PEX × ¾" O.D. No Lead Brass Plated Angle Ball Valve	WSL	24	ea.	\$ 31.325	26
23605NLB	½" PEX × ¾" O.D. No Lead Brass Plated Angle Ball Valve	New!	20	ea.	\$ 11.030	27
23705NL	½" PEX Straight No Lead Brass Ball Valve	WSL	24	ea.	\$ 32.817	26
23722NL	¾" PEX Straight No Lead Brass Ball Valve	WSL	24	ea.	\$ 41.264	26
23772NL	¾" PEX No Lead Stop and Waste Valve	WSL	12	ea.	\$ 43.740	
23775NL	½" PEX No Lead Stop and Waste Valve	WSL	24	ea.	\$ 35.190	
23822NL	¾" PEX F1807 × ¾" MNPT No Lead Brass Ball Valve		10	ea.	\$ 26.180	28

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
23905NL	½" PEX × ¼" O.D. No Lead Straight Ball Valve	Discontinued; see 23905NLB	24	ea.	\$ 37.879	
23905NLB	½" PEX × ¼" O.D. No Lead Straight Ball Valve	New!	20	ea.	\$ 9.460	27
24205	½" SS Press Sleeve		100	ea.	\$ 0.588	12
24222	¾" SS Press Sleeve		50	ea.	\$ 0.923	12
24228	1" SS Press Sleeve		50	ea.	\$ 1.893	12
24235	1-¼" SS Press Sleeve		10	ea.	\$ 7.499	12
24241	1-½" SS Press Sleeve		10	ea.	\$ 8.928	12
24250	2" SS Press Sleeve		10	ea.	\$ 10.843	12
25005NL	½" PEX No Lead Brass Plug		25	ea.	\$ 2.613	25
25022NL	¾" PEX No Lead Brass Plug		25	ea.	\$ 3.652	25
25028NL	1" PEX No Lead Brass Plug		5	ea.	\$ 5.250	25
25035NL	1-¼" PEX No Lead Brass Plug		5	ea.	\$ 14.178	25
25041NL	1-½" PEX No Lead Brass Plug		5	ea.	\$ 63.411	25
25054NL	2" PEX No Lead Brass Plug		5	ea.	\$ 63.400	25
25751NL	½" PEX × ¾" O.D. No Lead Brass Adapter		5	ea.	\$ 5.554	21
26222NL	¾" × ¾" × ¾" PEX No Lead Brass Tee		25	ea.	\$ 8.750	23
26225NL	¾" × ¾" × ½" PEX No Lead Brass Tee		25	ea.	\$ 8.545	24
26252NL	¾" × ½" × ¾" PEX No Lead Brass Tee		25	ea.	\$ 8.765	24
26255NL	¾" × ½" × ½" PEX No Lead Brass Tee		25	ea.	\$ 8.538	24
26332NL	1-¼" × 1-¼" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 42.782	24
26333NL	1-¼" × 1-¼" × 1-¼" PEX No Lead Brass Tee		5	ea.	\$ 44.235	23
26335NL	1-¼" × 1-¼" × ½" PEX No Lead Brass Tee		5	ea.	\$ 35.160	24
26338NL	1-¼" × 1-¼" × 1" PEX No Lead Brass Tee		5	ea.	\$ 51.601	24
26382NL	1-¼" × 1" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 40.803	24
26388NL	1-¼" × 1" × 1" PEX No Lead Brass Tee		5	ea.	\$ 47.185	24
26422NL	1-½" × ¾" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 47.046	24
26432NL	1-½" × 1-¼" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 71.980	24
26433NL	1-½" × 1-¼" × 1-¼" PEX No Lead Brass Tee		5	ea.	\$ 61.777	24
26442NL	1-½" × 1-¼" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 59.386	24
26443NL	1-½" × 1-½" × 1-¼" PEX No Lead Brass Tee		5	ea.	\$ 67.313	24
26444NL	1-½" × 1-½" × 1-½" PEX No Lead Brass Tee		5	ea.	\$ 91.411	23
26448NL	1-½" × 1-½" × 1" PEX No Lead Brass Tee		5	ea.	\$ 85.851	24
26488NL	1-½" × 1" × 1" PEX No Lead Brass Tee		5	ea.	\$ 79.633	24
26555NL	½" × ½" × ½" PEX No Lead Brass Tee		25	ea.	\$ 5.485	23
26633NL	2" × 1-¼" × 1-¼" PEX No Lead Brass Tee		5	ea.	\$ 182.009	24
26642NL	2" × 1-½" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 135.490	24
26643NL	2" × 1-½" × 1-¼" PEX No Lead Brass Tee		5	ea.	\$ 143.995	24
26644NL	2" × 1-½" × 1-½" PEX No Lead Brass Tee		5	ea.	\$ 158.794	24
26648NL	2" × 1-½" × 1" PEX No Lead Brass Tee		5	ea.	\$ 139.080	24
26662NL	2" × 2" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 136.375	24
26663NL	2" × 2" × 1-¼" PEX No Lead Brass Tee		5	ea.	\$ 137.990	24
26664NL	2" × 2" × 1-½" PEX No Lead Brass Tee		5	ea.	\$ 155.624	24
26666NL	2" × 2" × 2" PEX No Lead Brass Tee		5	ea.	\$ 164.245	23
26668NL	2" × 2" × 1" PEX No Lead Brass Tee		5	ea.	\$ 133.555	24
26822NL	1" × ¾" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 19.234	24
26882NL	1" × 1" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 20.901	24
26885NL	1" × 1" × ½" PEX No Lead Brass Tee		10	ea.	\$ 18.088	24
26888NL	1" × 1" × 1" PEX No Lead Brass Tee		10	ea.	\$ 18.686	23
27105NL	½" PEX × ½" M/Sweat No Lead Brass Adapter		25	ea.	\$ 3.654	22
27122NL	¾" PEX × ¾" M/Sweat No Lead Brass Adapter		25	ea.	\$ 6.583	22

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
27128NL	1" PEX x 1" M/Sweat No Lead Brass Adapter		10	ea.	\$ 12.082	22
27135NL	1-1/4" PEX x 1-1/4" M/Sweat No Lead Brass Adapter		5	ea.	\$ 22.784	22
27141NL	1-1/2" PEX x 1-1/2" M/Sweat No Lead Brass Adapter		5	ea.	\$ 75.350	22
27154NL	2" PEX x 2" M/Sweat No Lead Brass Adapter		5	ea.	\$ 89.320	22
27205NL	1/2" PEX x 1/2" F/Sweat No Lead Brass Adapter		25	ea.	\$ 4.013	22
27222NL	3/4" PEX x 3/4" F/Sweat No Lead Brass Adapter		25	ea.	\$ 7.184	22
27228NL	1" PEX x 1" F/Sweat No Lead Brass Adapter		10	ea.	\$ 17.357	22
27235NL	1-1/4" PEX x 1-1/4" F/Sweat No Lead Brass Adapter		5	ea.	\$ 26.218	22
27328NL	3/4" PEX x 1" F/Sweat No Lead Adapter	Discontinued	10	ea.	\$ 7.540	
27505NL	1/2" PEX x 1/2" MNPT No Lead Brass Adapter		25	ea.	\$ 7.608	19
27522NL	3/4" PEX x 3/4" MNPT No Lead Brass Adapter		25	ea.	\$ 11.040	19
27525NL	3/4" PEX x 1/2" MNPT No Lead Brass Adapter		25	ea.	\$ 9.002	19
27528NL	1" PEX x 1" MNPT No Lead Brass Adapter		10	ea.	\$ 19.673	19
27535NL	1-1/4" PEX x 1-1/4" MNPT No Lead Brass Adapter		5	ea.	\$ 47.401	19
27538NL	1-1/4" PEX x 1" MNPT No Lead Brass Adapter		5	ea.	\$ 31.275	19
27541NL	1-1/2" PEX x 1-1/2" MNPT No Lead Brass Adapter		5	ea.	\$ 49.327	19
27552NL	1/2" PEX x 3/4" MNPT No Lead Brass Adapter		10	ea.	\$ 10.675	19
27554NL	2" PEX x 2" MNPT No Lead Brass Adapter		5	ea.	\$ 138.310	19
27582NL	1" PEX x 3/4" MNPT No Lead Brass Adapter		5	ea.	\$ 14.079	19
27605NL	1/2" PEX x 1/2" FNPT No Lead Brass Adapter		25	ea.	\$ 9.190	20
27622NL	3/4" PEX x 3/4" FNPT No Lead Brass Adapter		25	ea.	\$ 12.619	20
27628NL	1" PEX x 1" FNPT No Lead Brass Adapter		25	ea.	\$ 17.435	20
27632NL	1-1/4" PEX x 3/4" FNPT No Lead Brass Adapter	WSL	5	ea.	\$ 21.890	20
27635NL	1-1/4" PEX x 1-1/4" FNPT No Lead Brass Adapter		5	ea.	\$ 57.204	20
27638NL	1-1/4" PEX x 1" FNPT No Lead Brass Adapter	WSL	5	ea.	\$ 29.670	20
27G54NL	2" PEX F1807 x 2" IPS Roll Groove No Lead Brass Adapter	New!	1	ea.	\$ 92.130	22
28005NL	1/2" x 1/2" PEX No Lead Brass Elbow		25	ea.	\$ 4.465	18
28022NL	3/4" x 3/4" PEX No Lead Brass Elbow		25	ea.	\$ 6.666	18
28028NL	1" x 1" PEX No Lead Brass Elbow		10	ea.	\$ 15.040	18
28035NL	1-1/4" x 1-1/4" PEX No Lead Brass Elbow		5	ea.	\$ 28.145	18
28041NL	1-1/2" x 1-1/2" PEX No Lead Brass Elbow		5	ea.	\$ 67.935	18
28054NL	2" x 2" PEX No Lead Brass Elbow		5	ea.	\$ 117.483	18
28205	1/2" PEX Barb Stubout Elbow with Edge Bracket		25	ea.	\$ 18.047	29
28206	1/2" PEX x Closed, 3-1/2" x 6" Stub-out Elbow		50	ea.	\$ 11.124	29
28225NL	3/4" x 1/2" PEX No Lead Brass Elbow	WSL	10	ea.	\$ 5.280	18
28305NL	1/2" PEX x 1/2" FNPT Drop Ear No Lead Brass Elbow		10	ea.	\$ 18.396	20
28535NL	1-1/4" PEX x 1-1/4" MNPT No Lead Brass Elbow	WSL	5	ea.	\$ 58.990	
29005NL	1/2" x 1/2" PEX No Lead Brass Coupling		25	ea.	\$ 3.212	16
29022NL	3/4" x 3/4" PEX No Lead Brass Coupling		25	ea.	\$ 4.203	16
29028NL	1" x 1" PEX No Lead Brass Coupling		10	ea.	\$ 6.856	16
29035NL	1-1/4" x 1-1/4" PEX No Lead Brass Coupling		5	ea.	\$ 14.193	16
29041NL	1-1/2" x 1-1/2" PEX No Lead Brass Coupling		5	ea.	\$ 48.488	16
29054NL	2" x 2" PEX No Lead Brass Coupling		5	ea.	\$ 69.939	16
29225NL	3/4" x 1/2" PEX No Lead Brass Coupling		25	ea.	\$ 5.642	16
29238NL	1-1/4" x 1" PEX No Lead Brass Coupling		5	ea.	\$ 14.891	16
29243NL	1-1/2" x 1-1/4" PEX No Lead Brass Coupling		5	ea.	\$ 25.553	16
29248NL	1-1/2" x 1" PEX No Lead Brass Coupling		5	ea.	\$ 47.083	16
29263NL	2" x 1-1/4" PEX No Lead Brass Coupling		5	ea.	\$ 64.900	16
29264NL	2" x 1-1/2" PEX No Lead Brass Coupling		5	ea.	\$ 68.354	16
29282NL	1" x 3/4" PEX No Lead Brass Coupling		10	ea.	\$ 7.632	16
30071	Universal Sensor (10K)		1	ea.	\$ 94.05	83

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
30072	Slab Sensor (10K) PVC Sleeve 20ft Cable		1	ea.	\$ 318.67	83
30073	Slab Sensor (10K) PVC Sleeve 40ft Cable		1	ea.	\$ 543.86	83
30079	Slab Sensor (10K) SS Sleeve 10ft Cable		1	ea.	\$ 114.43	83
30090	Snow/Ice Sensor (10K) 65 ft cable		1	ea.	\$ 2,207.63	83 , 138
30091	Snow/Ice Sensor Socket		1	ea.	\$ 501.73	83 , 138
30095	Aerial Mounted Snow Sensor		1	ea.	\$ 469.17	83
30360	Indoor/Outdoor Mixing Valve Reset Control		1	ea.	\$ 2,164.76	81
30654	Snow Melt Control		1	ea.	\$ 2,062.01	82
31680	Snow Melt Control 680-BMS BACnet (30090,30091,Snow/Ice Sensor sold sep)		1	ea.	\$ 8,020.56	81
3WMIX	3-Way Mixing Panel 1-1/4" 26-99 Pump	Discontinued; see 3WMIX-360	1	ea.	\$ 8,798.00	
3WMIX-360	3-Way Mixing Panel 1-1/4" 26-99 Pump		1	ea.	\$ 10,425.00	121
3WMIX-654	3-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt		1	ea.	\$ 9,745.00	126
3WMIX-680	3-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt BACnet	New!	1	ea.	\$ 16,864.00	127
3WMIX-BMS	3-Way Mixing Panel 1-1/4" 26-99 Pump BMS		1	ea.	\$ 7,197.00	122
3WMIX-SMCP	3-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt	Discontinued; see 3WMIX-654	1	ea.	\$ 9,745.00	
3WMIXHH	3-Way Mixing Panel 1-1/4" 26-150 Pump	Discontinued; see 3WMIXHH-360	1	ea.	\$ 10,359.00	
3WMIXHH-360	3-Way Mixing Panel 1-1/4" 26-150 Pump		1	ea.	\$ 11,908.00	121
3WMIXHH-654	3-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt		1	ea.	\$ 11,799.00	126
3WMIXHH-680	3-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt BACnet	New!	1	ea.	\$ 18,640.00	127
3WMIXHH-BMS	3-Way Mixing Panel 1-1/4" 26-150 Pump BMS		1	ea.	\$ 9,477.00	122
3WMIXHH-SMCP	3-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt	Discontinued; see 3WMIXHH-654	1	ea.	\$ 11,799.00	
40328	StatLink® 8 Zone Wireless Module		1	ea.	\$ 637.85	74
40414	StatLink® 4 Zone Module		1	ea.	\$ 138.56	80
41316	6 Zone Pump Wiring Center		1	ea.	\$ 655.34	79
43301	Wireless Internet Gateway		1	ea.	\$ 442.85	73
43302	Wireless Relay		1	ea.	\$ 216.12	75
43303	Door/Window Sensor	WSL	1	ea.	\$ 140.71	76
43304	Wireless Smart Plug / Repeater		1	ea.	\$ 186.87	75
43305	External Antenna		1	ea.	\$ 106.88	76
43306	Co-ordinator	WSL	1	ea.	\$ 157.88	78
43307	Repeater	WSL	1	ea.	\$ 192.51	78
43310	Water Leak Sensor		1	ea.	\$ 129.90	77
43311	Inline Shutoff Valve		1	ea.	\$ 522.80	77
44325	StatLink® Installation Track, 25"		1	ea.	\$ 21.18	80
45032	8 Pin Round Socket for AC Relay	WSL	1	ea.	\$ 46.39	153
45112	HeatLink® 24Vac DPDT Pump Relay Box		1	ea.	\$ 289.27	79
46645	HeatLink® Wired Digital Timer Thermostat		1	ea.	\$ 157.81	79
46801W	HeatLink® Wireless Digital Thermostat		1	ea.	\$ 221.87	73
4WMIX	4-Way Mixing Panel 1-1/4" 26-99 Pump	Discontinued; see 4WMIX-360	1	ea.	\$ 8,798.00	
4WMIX-360	4-Way Mixing Panel 1-1/4" 26-99 Pump		1	ea.	\$ 10,425.00	123
4WMIX-654	4-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt		1	ea.	\$ 9,745.00	128
4WMIX-680	4-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt BACnet	New!	1	ea.	\$ 16,864.00	129
4WMIX-BMS	4-Way Mixing Panel 1-1/4" 26-99 Pump BMS		1	ea.	\$ 7,197.00	124
4WMIX-SMCP	4-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt	Discontinued; see 4WMIX-654	1	ea.	\$ 9,745.00	
4WMIXHH	4-Way Mixing Panel 1-1/4" 26-150 Pump	Discontinued; see 4WMIXHH-360	1	ea.	\$ 10,359.00	
4WMIXHH-360	4-Way Mixing Panel 1-1/4" 26-150 Pump		1	ea.	\$ 11,908.00	123
4WMIXHH-654	4-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt		1	ea.	\$ 11,799.00	128

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
4WMIXHH-680	4-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt BACnet	New!	1	ea.	\$ 18,640.00	129
4WMIXHH-BMS	4-Way Mixing Panel 1-1/4" 26-150 Pump BMS		1	ea.	\$ 9,477.00	124
4WMIXHH-SMCP	4-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt	Discontinued; see 4WMIXHH-654	1	ea.	\$ 11,799.00	
56090	TwistSeal® Manifold Actuator Ring	WSL	1	ea.	\$ 6.12	153
56091	Valve Actuator Ring	WSL	1	ea.	\$ 6.38	153
56121	HeatLink® DDC Actuator for Manifolds and Valves		1	ea.	\$ 295.28	70
56200	HeatLink® TwistSeal® Manifold Actuator with LED		1	ea.	\$ 128.93	70
56201	HeatLink® Valve & SS Manifold Actuator with LED		1	ea.	\$ 112.82	70
56202	HeatLink® Multiport Manifold Actuator with LED		1	ea.	\$ 124.84	70
56230	HeatLink® TwistSeal® Manifold Actuator c/w End Switch		1	ea.	\$ 195.91	70
56231	HeatLink® Valve & SS Manifold Actuator c/w End Switch		1	ea.	\$ 175.64	70
56232	HeatLink® Multiport Manifold Actuator c/w End Switch		1	ea.	\$ 199.29	70
56401	Wireless Valve Actuator		1	ea.	\$ 288.24	74
57094	Thermostatic Head c/w Capillary (68°-158°F)		1	ea.	\$ 381.80	65
58130.1	Adapter for HeatLink 1" - 2" Rotary Actuator to WITA Valve		1	ea.	\$ 140.57	153
58131	Mixing Valve Motor for 1" to 2" FNPT Valves 3-Point Floating		1	ea.	\$ 865.53	67
58132	Mixing Valve Motor for 1" to 2" FNPT Valves DDC		1	ea.	\$ 1,176.92	67
58199	Mixing Valve Motor for 2-1/2" to 4" Flange Mixing Valves	WSL	1	ea.	\$ 582.98	153
58200	Mixing Valve Motor for 2" to 4" Flange Mixing Valves 3-Point Floating		1	ea.	\$ 1,493.48	67
58200.1	Metal Drive Sleeve for 58200/58300 Mixing Valve Motor		1	ea.	\$ 179.77	153
58300	Mixing Valve Motor for 2" to 4" Flange Mixing Valves DDC		1	ea.	\$ 2,667.10	67
58850	AccsryPack #58150 v2 Mounted on Black CastIronMixingVlv	WSL	1	ea.	\$ 49.66	153
60020V	Pressure Activated Bypass Valve 3/4"		1	ea.	\$ 254.70	69
60025V	Pressure Activated Bypass Valve 1"		1	ea.	\$ 331.73	69
60040V	Pressure Activated Bypass Valve 1-1/4"		1	ea.	\$ 438.39	69
62016V	Straight Zone Valve 1/2" NPT		1	ea.	\$ 116.77	64
62020V	Straight Zone Valve 3/4" NPT		1	ea.	\$ 150.56	64
62025V	Straight Zone Valve 1" NPT		1	ea.	\$ 188.77	64
62216	Straight Zone Valve 1/2" NPT, Nickel Plated	WSL	1	ea.	\$ 88.95	
62220	Straight Zone Valve 3/4" NPT, Nickel Plated	Discontinued	1	ea.	\$ 114.37	
62325	Straight Balancing Valve 1" F/Sweat	WSL	1	ea.	\$ 196.84	69
62816	Zone Valve Insert 1/2" (Blue Cap)	Discontinued	1	ea.	\$ 92.60	
62900V	Zone Valve Insert for 62000V Series Valves	Discontinued	1	ea.	\$ 85.00	
62920	Radiator Valve Insert 3/4" (Black Cap)	Discontinued	1	ea.	\$ 100.48	
63022	3/4" x 3-Way FNPT Mixing / Diverting Valve, Cv 4.7		1	ea.	\$ 475.40	66
63023	3/4" x 3-Way FNPT Mixing / Diverting Valve, Cv 7.3		1	ea.	\$ 475.40	66
63026	1" x 3-Way FNPT Mixing / Diverting Valve		1	ea.	\$ 518.01	66
63026.1	1" 3- & 4-Way Valve Shaft & Seal Kit		1	ea.	\$ 143.76	152
63539	1-1/4" x 3-Way FNPT Mixing / Diverting Valve		1	ea.	\$ 591.06	66
63541	1-1/2" x 3-Way FNPT Mixing / Diverting Valve		1	ea.	\$ 868.25	66
63542.1	1-1/4" and 1-1/2" 3- & 4-Way Valve Shaft & Seal Kit		1	ea.	\$ 125.81	152
63551	2" x 3-Way FNPT Mixing / Diverting Valve		1	ea.	\$ 1,035.24	66
63551.1	2" 3- & 4-Way Valve Shaft & Seal Kit		1	ea.	\$ 125.81	152
63716	1/2" Compact 3-Way Mixing Valve	WSL	1	ea.	\$ 293.35	
63720V	3/4" Compact 3-Way Mixing Valve	WSL	1	ea.	\$ 512.62	64
63720VB	3/4" Compact 3-Way Mixing Valve	Call for Availability	1	ea.	\$ 593.99	64
63725V	1" Compact 3-Way Mixing Valve	WSL	1	ea.	\$ 656.47	64
63725VB	1" Compact 3-Way Mixing Valve	Call for Availability	1	ea.	\$ 791.40	64
63732	1-1/4" Compact 3-Way Mixing Valve	WSL	1	ea.	\$ 895.40	
64026	1" x 4-Way FNPT Mixing Valve		1	ea.	\$ 556.10	66

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
64031	1-1/4" x 4-Way FNPT Mixing Valve		1	ea.	\$ 559.06	66
64041	1-1/2" x 4-Way FNPT Mixing Valve		1	ea.	\$ 894.68	66
64051	2" x 4-Way FNPT Mixing Valve		1	ea.	\$ 1,122.07	66
64164	2" x 4-Way Flange Mixing Valve		1	ea.	\$ 2,105.69	68
64164F	2" DIN Flange		1	ea.	\$ 91.44	68
64164G	2" Gasket for DIN Flange		1	ea.	\$ 28.57	68
64166	2-1/2" x 4-Way Flange Mixing Valve	Discontinued	1	ea.	\$ 2,275.56	
64950	1-1/2" & 2" 4-Way Cast Iron Mixing Valve Repair Kit	WSL	1	ea.	\$ 461.16	152
65000	4" x 4-Way Flange Mixing Valve		1	ea.	\$ 4,280.48	68
65000F	4" DIN Flange		1	ea.	\$ 210.95	68
65000G	4" Gasket for DIN Flange		1	ea.	\$ 78.92	68
67019	3/8" PEX Comp. x 3/4" M/Sweat Adapter		1	ea.	\$ 30.33	63
67119	3/8" PEX Comp. x 3/4" F/Sweat Adapter		1	ea.	\$ 30.89	63
68019	3/8" PEX Comp. x 3/4" MNPT Adapter		1	ea.	\$ 28.72	63
69005	1/2" x 1/2" PEX Comp. Coupling		1	ea.	\$ 47.70	63
69019	3/8" x 3/8" PEX Comp. Coupling		1	ea.	\$ 47.49	63
69022	3/4" x 3/4" PEX Comp. Coupling		1	ea.	\$ 67.49	63
69296	20 x 16mm PEX Comp. Coupling		2	ea.	\$ 47.49	152
71724	Recessed Manifold Housing 24"x23"x3-7/8"		1	ea.	\$ 644.82	61
71730	Recessed Manifold Housing 30"x23"x3-7/8"		1	ea.	\$ 712.19	61
71743	Recessed Manifold Housing 43-1/2"x23"x3-7/8"		1	ea.	\$ 830.06	61
71901	Key Lock for Manifold Housing Door		1	ea.	\$ 39.14	62
71903	Flat Key Lock for Recessed Housing Door		1	ea.	\$ 76.38	152
72434	Surface Mounted Manifold Housing 34-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 978.70	62
72442	Surface Mounted Manifold Housing 42-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 1,151.97	62
72446	Surface Mounted Manifold Housing 46-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 1,292.32	62
72469	Surface Mounted Manifold Housing 69"x28-1/2"x5-7/8"	Special Order*	1	ea.	\$ 2,011.01	62
72481	Surface Mounted Manifold Housing 85"x28-1/2"x5-7/8"	Special Order*	1	ea.	\$ 2,370.09	62
72493	Surface Mounted Manifold Housing 93"x28-1/2"x5-7/8"	Special Order*	1	ea.	\$ 2,661.74	62
72534	Recessed Manifold Housing 34-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 1,475.70	61
72542	Recessed Manifold Housing 42-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 1,530.40	61
72546	Recessed Manifold Housing 46-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 1,627.76	61
75102	2 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 634.00	54
75103	3 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 739.47	54
75104	4 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 842.36	54
75105	5 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 947.65	54
75106	6 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 1,048.87	54
75107	7 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 1,155.22	54
75108	8 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 1,252.52	54
75109	9 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 1,355.91	54
75110	10 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 1,505.96	54
75111	11 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 1,613.21	54
75112	12 Loop 1-1/4" SS Manifold with Flow Meters		1	ea.	\$ 1,726.79	54
75202	2 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 611.06	54
75203	3 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 704.17	54
75204	4 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 798.28	54
75205	5 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 893.12	54
75206	6 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 983.94	54
75207	7 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 1,080.28	54
75208	8 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 1,170.24	54
75209	9 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 1,265.55	54

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
75210	10 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 1,406.25	54
75211	11 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 1,506.79	54
75212	12 Loop 1-1/4" High Flow SS Manifold		1	ea.	\$ 1,612.33	54
76100	Coupling for SS Manifold	WSL	1	ea.	\$ 58.18	149
76101	Mounting Bracket for SS Manifold	WSL	1	ea.	\$ 54.02	149
76600	Coupling for 2" SS Manifold	WSL	1	pair	\$ 221.24	152
76601	Loctite 55		1	ea.	\$ 151.02	59
76675	1" Cap and Washer for 1-1/2" and 2" SS Manifold		1	pair	\$ 55.39	59
76681B	3/4" Ball Valve for 2" SS Manifold - Blue Handle	New!	1	ea.	\$ 41.29	152
76681R	3/4" Ball Valve for 2" SS Manifold - Red Handle	New!	1	ea.	\$ 41.29	152
76706	6 Loop 1-1/2" SS Manifold with Flow Meters		1	ea.	\$ 3,107.25	57
76708	8 Loop 1-1/2" SS Manifold with Flow Meters		1	ea.	\$ 3,687.02	57
76710	10 Loop 1-1/2" SS Manifold with Flow Meters		1	ea.	\$ 4,016.97	57
76712	12 Loop 1-1/2" SS Manifold with Flow Meters		1	ea.	\$ 4,558.15	57
76840	1-1/2" MNPT Assembly Kit for 2" SS Manifold	WSL	1	ea.	\$ 553.87	
76850	2" MNPT Assembly Kit for 2" SS Manifold	WSL	1	ea.	\$ 531.96	
76905	1/2" Plug for 1-1/4" SS Manifold		1	ea.	\$ 12.18	149
76911	Zone Valve Insert for 1-1/4" SS Manifold (Return)	WSL	1	ea.	\$ 40.55	149
76912	Balancing Valve Insert for High Flow SS Manifold (Supply)	WSL	1	ea.	\$ 29.89	150
76916	Flow Meter Valve Insert (0-1.5 USgpm Lock Nut) for 1-1/4" SS Mfd (Sup.)	WSL	1	ea.	\$ 70.33	150
76917	Flow Meter Valve Insert (0-6 L/min) for 1-1/4" SS Manifold (New Design)	WSL	1	ea.	\$ 68.45	150
76918	Connector Base for 1-1/4" SS Manifold (Flow Meter w/Lock Nut)	WSL	1	ea.	\$ 14.22	150
76922	1" Ball Valve Set for 1-1/4" SS Manifold	WSL	1	set	\$ 311.27	150
76924	O-ring for 1-1/4" SS Manifold Coupling and End Connections	Discontinued	1	ea.	\$ 4.23	
76925	Black Shut-off Cap for 1-1/4" SS Manifold	WSL	1	ea.	\$ 7.19	150
76930	Hose Bib for 1-1/4" SS Manifold	WSL	1	ea.	\$ 68.09	150
76932	Automatic Air Vent for 1-1/4" SS Manifold	WSL; see 79932	1	ea.	\$ 53.63	150
76935	Side Mount Automatic Air Vent Set for 1-1/4" SS Manifold	WSL	1	ea.	\$ 130.07	150
76940	Strap-on Thermometer		1	ea.	\$ 45.97	140
76944	Side Mount Automatic Air Vent Kit for 1-1/4" SS Manifold		1	ea.	\$ 181.70	56
76945	Pressure Bypass Kit for 1-1/4" SS Manifold		1	ea.	\$ 195.58	56
76946	Coupling Kit for 1-1/4" SS Manifold		1	ea.	\$ 82.11	56
76947	Elbow Kit for 1-1/4" SS Manifold		1	ea.	\$ 147.13	56
76948	Insulation Kit for 1-1/4" SS Manifold, 12 Ports		1	ea.	\$ 110.63	56
76949	Insulation Kit for 1-1/4" SS Manifold Ball Valve		1	ea.	\$ 35.89	56
76950	Flow Meter Valve Insert (0-2 USgpm Lock Nut) for 1-1/4" SS Mfd (Sup.)	New!	1	ea.	\$ 70.33	150
76951	Connector Base for 1-1/4" SS Manifold (Flow Meter w/Lock Nut)	New!	1	ea.	\$ 14.22	150
76952	Connector Base for 1-1/4" SS Manifold	New!	1	ea.	\$ 14.30	150
76953	Balancing Valve Insert for 1-1/4" High Flow SS Manifold (Supply)	New!	1	ea.	\$ 29.89	150
76954	Zone Valve Insert for 1-1/4" SS Manifold (Return)	New!	1	ea.	\$ 39.29	151
76956	1-1/4" EPDM Gasket	New!	10	ea.	\$ 5.08	151
76958	O-ring for 1-1/4" SS Manifold 1/2" G Accessories	New!	10	ea.	\$ 2.77	151
76959	O-ring for 1-1/4" SS Manifold 1" G Connections	New!	10	ea.	\$ 4.23	151
76960	Blue Shut-off Cap for 1-1/4" SS Manifold	New!	1	ea.	\$ 7.19	151
76961	Mounting Bracket for 1-1/4" SS Manifold	New!	1	pair	\$ 54.02	151
76964	Coupling Kit for 1-1/2" SS Manifold		1	ea.	\$ 323.92	58
76966	EPDM Gasket for 1-1/2" SS Manifold End Cap	New!	10	ea.	\$ 5.62	151
76967	2" EPDM Gasket	New!	10	ea.	\$ 5.62	151
76968	Mounting Brackets for 1-1/2" SS Manifold, Low Type	New!	1	ea.	\$ 75.42	151
76969	Mounting Brackets for 1-1/2" SS Manifold, High Type	New!	1	ea.	\$ 83.59	151
76970	Flow Meter 2-8 US GPM	New!	1	ea.	\$ 260.69	151

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
76971	Ball Valve for 1-½" SS Manifold	New!	1	ea.	\$ 80.73	151
76972	Hose Bib for SS Manifold	New!	1	ea.	\$ 41.61	151
76973	1" Ball Valve Set for 1-½" SS Manifold	New!	1	set	\$ 216.51	151
76974	Pair of Thermometers for 75100/75200 Series Manifolds	New!	1	pair	\$ 41.42	151
77005	½" PEX to TwistSeal® Manifold Connector		1	pair	\$ 26.20	52
77012	¾" PEX to TwistSeal® Manifold Connector	WSL	1	pair	\$ 33.20	148
77019	¾" PEX to TwistSeal® Manifold Connector		1	pair	\$ 34.98	52
77022	¾" PEX to TwistSeal® Manifold Connector c/w Nut		1	pair	\$ 57.05	52
77100	Port Cap for 1-¼" SS Manifold		1	pair	\$ 24.38	55
77105	½" PEX to 1-¼" SS Manifold Connector		1	pair	\$ 27.14	55
77119	¾" PEX to 1-¼" SS Manifold Connector		1	pair	\$ 29.14	55
77120	20mm PEX to 1-¼" SS Manifold Connector		1	pair	\$ 41.98	150
77122	¾" PEX to 1-¼" SS Manifold Connector		1	pair	\$ 81.35	55
77305	½" PEX Insert to 1-¼" SS Manifold Connector	WSL	1	pair	\$ 32.56	150
77519	¾" PEX to 1-½" SS Manifold Connector		1	pair	\$ 62.03	58
77522	¾" PEX to 1-½" SS Manifold Connector		1	pair	\$ 63.12	58
77600	O-Ring for 2" Manifold PEX Connectors	WSL	1	ea.	\$ 1.75	152
77619	¾" PEX to 2" SS Manifold Connector	WSL	1	pair	\$ 74.01	152
77622	¾" PEX to 2" SS Manifold Connector	WSL	1	pair	\$ 77.42	152
77628	1" PEX to 2" SS Manifold Connector	WSL	1	pair	\$ 104.32	152
77729	O-ring for PEX to TwistSeal® Manifold Connector		10	ea.	\$ 1.58	148
77739	O-ring for PEX to 1-¼" SS Manifold Connector	Discontinued	10	ea.	\$ 2.45	
78200	TwistSeal® Mini Deluxe (40mm) Z.V. Supply & Balancing Return Module Pair		1	pair	\$ 167.10	51
78210	TwistSeal® Mini Deluxe (40mm) Zone Valve Supply Module		1	ea.	\$ 105.73	147
78211	TwistSeal® Mini Deluxe (40mm) Balancing Return Module		1	ea.	\$ 108.61	147
78221	TwistSeal® Mini (40mm) Zone Valve Replacement Cartridge c/w O-ring		1	ea.	\$ 51.97	147
78302	TwistSeal® Mini (40mm) 2-port Z.V. Supply & Flow Meter Return Module Pair		1	pair	\$ 263.13	51
78303	TwistSeal® Mini (40mm) 3-port Z.V. Supply & Flow Meter Return Module Pair		1	pair	\$ 394.66	51
78311	TwistSeal® Mini Z.V. Rplcmnt. Cartridge for Multiport Module		1	ea.	\$ 34.75	147
78312	TwistSeal® Mini Flow Meter Replacement Cartridge for 78300 Modules		1	ea.	\$ 66.39	147
78314	Assembly tool for TwistSeal® Mini Multiport Valves		1	ea.	\$ 16.88	143
78400	TwistSeal® Deluxe (55mm) Z.V. Supply & Balancing Return Module Pair		1	pair	\$ 214.87	48
78401	TwistSeal® Deluxe (55mm) Zone Valve Supply Module		1	ea.	\$ 156.68	147
78402	TwistSeal® Deluxe (55mm) Balancing Return Module		1	ea.	\$ 146.79	147
78411	TwistSeal® (55mm) Zone Valve Replacement Cartridge c/w O-ring		1	ea.	\$ 104.99	147
78811	TwistSeal® Mini (40mm) Z.V. Upgrade Asmbl.		1	ea.	\$ 83.67	148
78812	TwistSeal® Mini (40mm) Balance Valve Assembly		1	ea.	\$ 78.46	148
78902	Plastic Nut for TwistSeal® Manifold Modules		1	ea.	\$ 11.32	148
78904	Shut-off Cap TwistSeal® - Red		1	ea.	\$ 8.62	148
78905	TwistSeal® Zone Actuator Base (40mm & 55mm)		1	ea.	\$ 3.81	148
78906	Balancing Valve Cap with Clip for TwistSeal® Manifold		1	ea.	\$ 19.36	148
78911	TwistSeal® (55mm) Zone Valve Upgrade Assembly		1	ea.	\$ 100.37	147
78912	TwistSeal® (55mm) Balance Valve Assembly		1	ea.	\$ 77.97	147
78921	O-ring for TwistSeal® Valve Insert (40 & 55mm)	WSL	5	ea.	\$ 1.24	149
78922	O-ring for TwistSeal® Balancing Shaft - 6x2mm (Cone Side)	WSL	5	ea.	\$ 2.90	149
78923	O-ring for TwistSeal® Mini (40mm) & EasyFit™ Manifold Modules		5	ea.	\$ 3.32	148
78924	O-ring for TwistSeal® (55mm) Manifold Module		5	ea.	\$ 5.35	147
79200	1" TwistSeal® Mini (40mm) Deluxe Manifold Assembly Kit		1	ea.	\$ 265.51	50
79400	1" TwistSeal® (55mm) Deluxe Manifold Assembly Kit		1	ea.	\$ 586.10	48
79801	TwistSeal® Mini (40mm) Closed End Cap		1	ea.	\$ 12.98	148
79808	TwistSeal® Mini (40mm) Cross Tee c/w O-ring	WSL	1	ea.	\$ 32.90	148

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
79815	1" TwistSeal® Mini (40mm) Union Cross Tee End Connection		1	ea.	\$ 108.65	148
79892	TwistSeal® Multiport (40mm) Double Mounting Bracket		1	ea.	\$ 23.34	50
79901	TwistSeal® (55mm) Closed End Cap		1	ea.	\$ 18.35	147
79902	1" TwistSeal® (55mm) Supply End Connection		1	ea.	\$ 104.53	147
79908	TwistSeal® (55mm) Cross Tee		1	ea.	\$ 62.04	147
79911	½" Cross Tee Plug		1	ea.	\$ 4.65	149
79922	Multiwrench for Manifold Nut and Base		1	ea.	\$ 19.69	143
79930	Metal Hose Bib		1	ea.	\$ 108.49	149
79931	Manual Air Vent		1	ea.	\$ 16.04	149
79932	Metal Automatic Air Vent		1	ea.	\$ 89.46	149
79933	Manual Air Vent Key - 5mm Square, Blue		1	ea.	\$ 4.05	149
79934	Plastic Hose Bib	WSL; see 79930	1	ea.	\$ 50.39	149
79935	Pressure Test Kit		1	ea.	\$ 339.97	140
79936	Plastic Automatic Air Vent		1	ea.	\$ 40.69	149
79940	Pair Thermometers c/w Well for TwistSeal® Manifolds		1	pair	\$ 160.72	149
79942	Pair Thermometers for TwistSeal® Mini Union Cross Tee End Connection		1	pair	\$ 69.92	148
79951	100g Bottle Non-toxic Silicone O-ring Lubricant		1	ea.	\$ 74.13	143
79952	10g Bottle Non-toxic Silicone O-ring Lubricant		1	ea.	\$ 15.34	143
79953	Red Rubber Gasket for 1" Union End Connection (40mm) Air Tests	WSL	1	pair	\$ 10.31	148
79954	Gasket for TwistSeal® Mini (40mm) 1" Union Supply End Connection		1	pair	\$ 10.15	148
79955	O-ring for ½" Cross Tee Accessories	WSL	5	ea.	\$ 0.93	149
79965	Pressure Test Kit with Extra Valve to Zero Gauge		1	ea.	\$ 390.90	140
79991	TwistSeal® (55mm) Mounting Bracket		1	ea.	\$ 28.35	48
86005	½" Conduit 90s		1	ea.	\$ 6.64	87
86020	¾" Conduit 90s		1	ea.	\$ 9.03	87
86022	¾" Conduit 90s		1	ea.	\$ 13.60	87
86028	1" Conduit 90s	Discontinued	1	ea.	\$ 16.23	
86105	Plastic Bend Support for ¾" and ½" Tubing		1	ea.	\$ 2.05	87, 139
86122	Plastic Bend Support for ¾" Tubing		1	ea.	\$ 4.26	87, 139
87024	24" Aluminum Heat Transfer Plate for DryAbove™/DryBelow™ Systems		250	ea.	\$ 6.43	86
87205	EndBend™ for DryAbove™ System		25	ea.	\$ 8.85	86
87305	SpacerClip™ for DryAbove™ System		50	ea.	\$ 2.96	86
88205	½" 9ft PEX-a Tubing Support		5	ea.	\$ 19.38	139
88222	¾" 9ft PEX-a Tubing Support		5	ea.	\$ 21.50	139
88228	1" 9ft PEX-a Tubing Support		5	ea.	\$ 22.60	139
88235	1-¼" 9ft PEX-a Tubing Support		5	ea.	\$ 29.09	139
88241	1-½" 9ft PEX-a Tubing Support		5	ea.	\$ 32.02	139
88254	2" 9ft PEX-a Tubing Support		5	ea.	\$ 37.19	139
89000	Tubing Tracking		400	ft.	\$ 2.16	86
89010	500 Track Staples		1	bag	\$ 214.41	84
89105	1000 Tie Straps - 5.5"		1	bag	\$ 103.13	84
89107	1000 Tie Straps - 7.5"		1	bag	\$ 108.62	84
89244	300× 2-¾" (60mm) Staples for Stand-up Stapler		1	box	\$ 80.15	84, 141
89251	300× 1-½" Staples for HeatLink® Deluxe Staple Gun		1	box	\$ 103.79	84, 141
89252	300× 2" Staples for HeatLink® Deluxe Staple Gun		1	box	\$ 128.11	84, 141
92128bs	1" 100ft Blue PureLink® Plus Pipe-in-Pipe		1	coil	\$ 650.300	11
92128rs	1" 100ft Red PureLink® Plus Pipe-in-Pipe		1	coil	\$ 650.300	11
92305bcs	¾" 300ft Blue Corrugated Sleeve for ½" PEX		1	ea.	\$ 233.700	11
92305bs	½" 300ft Blue PureLink® Plus Pipe-in-Pipe		1	coil	\$ 591.900	11
92305rs	½" 300ft Red PureLink® Plus Pipe-in-Pipe		1	coil	\$ 591.900	11
92322bcs	1-¾" 300ft Blue Corrugated Sleeve for ¾" PEX		1	ea.	\$ 400.200	11

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
92322bs	¾" 300ft Blue PureLink® Plus Pipe-in-Pipe		1	coil	\$ 909.000	11
92322rs	¾" 300ft Red PureLink® Plus Pipe-in-Pipe		1	coil	\$ 909.000	11
94019400	¾" 400ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 820.80	44
94105	½" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 1,505.00	44
94119	¾" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 2,052.00	44
94122	¾" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 2,605.00	44
94128	1" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 462.80	44
94135	1-¼" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 742.40	44
94141	1-½" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 1,029.90	44
94205	½" 250ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 376.25	44
94222	¾" 10×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	bundle	\$ 521.00	45
94228	1" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	bundle	\$ 462.80	45
94235	1-¼" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	bundle	\$ 742.40	45
94241	1-½" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	bundle	\$ 1,029.90	45
94305	½" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 451.50	44
94305rs	½" 300' O ₂ Barrier HeatLink® Pipe-in-Pipe Red Sheath	Special Order*	1	coil	\$ 702.90	45
94322	¾" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 781.50	44
94322rs	¾" 300' O ₂ Barrier HeatLink® Pipe-in-Pipe Red Sheath	Special Order*	1	coil	\$ 1,188.90	45
94335	1-¼" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 2,227.20	44
94341	1-½" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 3,089.70	44
94505	½" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 752.50	44
94519	¾" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 1,026.00	44
94522	¾" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 1,302.50	44
94528	1" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 2,314.00	44
BC G2-1	Standard Boiler Panel 3 Pump		1	ea.	\$ 4,380.00	97
BC G2-2	High Capacity Boiler Panel 4 Pump		1	ea.	\$ 5,192.00	97
BC G2-3	BC G.Combi Boiler Panel		1	ea.	\$ 4,615.00	97
CAD01	CAD Boiler Panel 3 Pump		1	ea.	\$ 4,170.00	94
CAD02	CAD Boiler Panel High Capacity 4 Pump		1	ea.	\$ 4,805.00	94
CHVLV20	Check Valve for UPS15-58 Pump		1	ea.	\$ 43.65	155
DRVWSNS-SS	Driveway Sensor for SMP Panels		1	ea.	\$ 2,408.94	167
ECO1ZN3P	ECO Boiler Panel 3 Pump		1	ea.	\$ 4,170.00	92
ECO2ZN4P	ECO Boiler Panel High Capacity 4 Pump		1	ea.	\$ 4,805.00	92
ELBP18	Electric Boiler Panel 18,000BTU		1	ea.	\$ 4,788.00	98
ELBP18TS3	Electric Boiler Panel 18,000BTU with 3 Loop Twist Seal Mini Multiport		1	ea.	\$ 5,727.00	99
ELBP18TS5	Electric Boiler Panel 18,000BTU with 5 Loop Twist Seal Mini Multiport		1	ea.	\$ 5,944.00	99
ELBP30	Electric Boiler Panel 30,000BTU		1	ea.	\$ 8,432.00	98
ELBP30TS3	Electric Boiler Panel 30,000BTU with 3 Loop Twist Seal Mini Multiport		1	ea.	\$ 8,957.00	99
ELBP30TS5	Electric Boiler Panel 30,000BTU with 5 Loop Twist Seal Mini Multiport		1	ea.	\$ 9,014.00	99
ELBP30TS6	Electric Boiler Panel 30,000BTU with 6 Loop Twist Seal Mini Multiport		1	ea.	\$ 9,283.00	99
ELBP30TS7	Electric Boiler Panel 30,000BTU with 7 Loop Twist Seal Mini Multiport		1	ea.	\$ 9,395.00	99
ELBP50	Electric Boiler Panel 50,000BTU		1	ea.	\$ 8,614.00	98
ELBP50TS7	Electric Boiler Panel 50,000BTU with 7 Loop Twist Seal Mini Multiport		1	ea.	\$ 10,001.00	99
ETF-144/99A	Slab Sensor (12k) PVC Sleeve 8ft Cable for ETO2SMCNTR SnowmeltController		1	ea.	\$ 198.16	167
ETF-1733/44/55	Optional Outdoor Sensor for SMCP & SMP Panels		1	ea.	\$ 409.45	167
ETF1899ASNS	Sensor NTC 12K (Spare parts for #SMCP)	Special Order*	1	ea.	\$ 179.80	153
ETO2SMCNTR	Snowmelt Control - DDC (Spare parts for #SMCP)	Call for Availability	1	ea.	\$ 2,242.45	167
EX13203	3 Port, ¾" PEX F1960 × Closed End HPP Multiport Tee		5	ea.	\$ 17.669	32
EX13204	4 Port, ¾" PEX F1960 × Closed End HPP Multiport Tee		5	ea.	\$ 25.383	32
EX13206	6 Port, ¾" PEX F1960 × Closed End HPP Multiport Tee		5	ea.	\$ 30.293	32
EX13208C	8 Port, ¾" PEX F1960 × Closed End HPP Commercial Multiport Tee	New!	1	ea.	\$ 74.090	32

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
EX13804	4 Port, 1" PEX F1960 × Closed End HPP Multiport Tee	New!	5	ea.	\$ 51.494	32
EX13806	6 Port, 1" PEX F1960 × Closed End HPP Multiport Tee		5	ea.	\$ 74.019	32
EX13810C	10 Port, 1" PEX F1960 × Closed End HPP Commercial Multiport Tee	New!	1	ea.	\$ 119.580	32
EX13812C	12 Port, 1" PEX F1960 × Closed End HPP Commercial Multiport Tee	New!	1	ea.	\$ 130.910	32
EX14202	2 Port, ¾" × ¾" PEX F1960 Flow Through HPP Multiport Tee		5	ea.	\$ 15.301	32
EX14203	3 Port, ¾" × ¾" PEX F1960 Flow Through HPP Multiport Tee		5	ea.	\$ 20.653	32
EX14204	4 Port, ¾" × ¾" PEX F1960 Flow Through HPP Multiport Tee		5	ea.	\$ 25.734	32
EX14206	6 Port, ¾" × ¾" PEX F1960 Flow Through HPP Multiport Tee	New!	5	ea.	\$ 27.602	32
EX14704	4 Port, 1" × ¾" PEX F1960 Flow Through HPP Multiport Tee	New!	5	ea.	\$ 52.253	32
EX14706	6 Port, 1" × ¾" PEX F1960 Flow Through HPP Multiport Tee		5	ea.	\$ 73.821	32
EX14804	4 Port, 1" × 1" PEX F1960 Flow Through HPP Multiport Tee	New!	5	ea.	\$ 49.236	32
EX14806	6 Port, 1" × 1" PEX F1960 Flow Through HPP Multiport Tee	New!	5	ea.	\$ 68.397	32
EX15005	½" PEX F1960 HPP Plug		25	ea.	\$ 2.430	31
EX15022	¾" PEX F1960 HPP Plug		25	ea.	\$ 3.920	31
EX15028	1" PEX F1960 HPP Plug		5	ea.	\$ 5.213	31
EX15035	1-¼" PEX F1960 HPP Plug		1	ea.	\$ 24.524	31
EX15041	1-½" PEX F1960 HPP Plug		1	ea.	\$ 37.752	31
EX15054	2" PEX F1960 HPP Plug		1	ea.	\$ 42.997	31
EX16222	¾" × ¾" × ¾" PEX F1960 HPP Tee		25	ea.	\$ 6.262	39
EX16225	¾" × ¾" × ½" PEX F1960 HPP Tee		25	ea.	\$ 5.236	40
EX16228	¾" × ¾" × 1" PEX F1960 HPP Tee	New!	10	ea.	\$ 16.865	40
EX16252	¾" × ½" × ¾" PEX F1960 HPP Tee		25	ea.	\$ 6.140	40
EX16255	¾" × ½" × ½" PEX F1960 HPP Tee		25	ea.	\$ 5.930	40
EX16332	1-¼" × 1-¼" × ¾" PEX F1960 HPP Tee		1	ea.	\$ 23.965	40
EX16333	1-¼" × 1-¼" × 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 25.776	39
EX16335	1-¼" × 1-¼" × ½" PEX F1960 HPP Tee		1	ea.	\$ 18.492	40
EX16338	1-¼" × 1-¼" × 1" PEX F1960 HPP Tee		1	ea.	\$ 24.604	40
EX16382	1-¼" × 1" × ¾" PEX F1960 HPP Tee		1	ea.	\$ 20.398	40
EX16388	1-¼" × 1" × 1" PEX F1960 HPP Tee		1	ea.	\$ 24.146	40
EX16432	1-½" × 1-¼" × ¾" PEX F1960 HPP Tee		1	ea.	\$ 34.373	40
EX16433	1-½" × 1-¼" × 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 38.049	40
EX16438	1-½" × 1-¼" × 1" PEX F1960 HPP Tee		1	ea.	\$ 35.692	40
EX16442	1-½" × 1-½" × ¾" PEX F1960 HPP Tee		1	ea.	\$ 31.006	40
EX16443	1-½" × 1-½" × 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 34.530	40
EX16444	1-½" × 1-½" × 1-½" PEX F1960 HPP Tee		1	ea.	\$ 38.012	39
EX16445	1-½" × 1-½" × ½" PEX F1960 HPP Tee	New!	1	ea.	\$ 27.640	40
EX16448	1-½" × 1-½" × 1" PEX F1960 HPP Tee		1	ea.	\$ 32.950	40
EX16484	1-½" × 1" × 1-½" PEX F1960 HPP Tee	New!	1	ea.	\$ 32.541	40
EX16488	1-½" × 1" × 1" PEX F1960 HPP Tee		1	ea.	\$ 30.411	40
EX16552	½" × ½" × ¾" PEX F1960 HPP Tee		25	ea.	\$ 12.958	40
EX16555	½" × ½" × ½" PEX F1960 HPP Tee		25	ea.	\$ 3.929	39
EX16642	2" × 1-½" × ¾" PEX F1960 HPP Tee		1	ea.	\$ 108.482	40
EX16643	2" × 1-½" × 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 116.743	40
EX16644	2" × 1-½" × 1-½" PEX F1960 HPP Tee		1	ea.	\$ 114.485	40
EX16646	2" × 1-½" × 2" PEX F1960 HPP Tee	New!	1	ea.	\$ 104.005	40
EX16648	2" × 1-½" × 1" PEX F1960 HPP Tee		1	ea.	\$ 92.678	40
EX16662	2" × 2" × ¾" PEX F1960 HPP Tee		1	ea.	\$ 101.143	40
EX16663	2" × 2" × 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 104.879	40
EX16664	2" × 2" × 1-½" PEX F1960 HPP Tee		1	ea.	\$ 117.046	40
EX16665	2" × 2" × ½" PEX F1960 HPP Tee	New!	1	ea.	\$ 91.529	40
EX16666	2" × 2" × 2" PEX F1960 HPP Tee		1	ea.	\$ 119.148	39

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
EX16668	2" x 2" x 1" PEX F1960 HPP Tee		1	ea.	\$ 98.758	40
EX16822	1" x 3/4" x 3/4" PEX F1960 HPP Tee		5	ea.	\$ 10.154	40
EX16828	1" x 3/4" x 1" PEX F1960 HPP Tee		5	ea.	\$ 11.985	40
EX16882	1" x 1" x 3/4" PEX F1960 HPP Tee		5	ea.	\$ 11.540	40
EX16885	1" x 1" x 1/2" PEX F1960 HPP Tee		10	ea.	\$ 10.590	40
EX16888	1" x 1" x 1" PEX F1960 HPP Tee		10	ea.	\$ 11.474	39
EX17505	1/2" PEX F1960 x 1/2" MNPT HPP Adapter		25	ea.	\$ 3.346	35
EX17522	3/4" PEX F1960 x 3/4" MNPT HPP Adapter		25	ea.	\$ 5.551	35
EX17552	1/2" PEX F1960 x 3/4" MNPT HPP Adapter		25	ea.	\$ 4.293	35
EX17755	1/2" PEX F1960 x 1/2" Swivel HPP Adapter		25	ea.	\$ 6.108	36
EX18005	1/2" x 1/2" PEX F1960 HPP Elbow		25	ea.	\$ 3.860	34
EX18022	3/4" x 3/4" PEX F1960 HPP Elbow		25	ea.	\$ 4.906	34
EX18028	1" x 1" PEX F1960 HPP Elbow		10	ea.	\$ 10.279	34
EX18035	1-1/4" x 1-1/4" PEX F1960 HPP Elbow		1	ea.	\$ 22.950	34
EX18041	1-1/2" x 1-1/2" PEX F1960 HPP Elbow		1	ea.	\$ 30.571	34
EX18054	2" x 2" PEX F1960 HPP Elbow		1	ea.	\$ 97.810	34
EX18441	1-1/2" x 1-1/2" PEX F1960 HPP 45 Elbow	New!	1	ea.	\$ 33.920	34
EX18454	2" x 2" PEX F1960 HPP 45 Elbow	New!	1	ea.	\$ 98.530	34
EX19005	1/2" x 1/2" PEX F1960 HPP Coupling		25	ea.	\$ 3.247	33
EX19022	3/4" x 3/4" PEX F1960 HPP Coupling		25	ea.	\$ 3.885	33
EX19028	1" x 1" PEX F1960 HPP Coupling		10	ea.	\$ 5.788	33
EX19035	1-1/4" x 1-1/4" PEX F1960 HPP Coupling		1	ea.	\$ 15.206	33
EX19041	1-1/2" x 1-1/2" PEX F1960 HPP Coupling		1	ea.	\$ 16.695	33
EX19054	2" x 2" PEX F1960 HPP Coupling		1	ea.	\$ 69.430	33
EX19225	3/4" x 1/2" PEX F1960 HPP Coupling		25	ea.	\$ 6.369	33
EX19232	1-1/4" x 3/4" PEX F1960 HPP Coupling	New!	1	ea.	\$ 12.975	33
EX19238	1-1/4" x 1" PEX F1960 HPP Coupling		1	ea.	\$ 13.415	33
EX19242	1-1/2" x 3/4" PEX F1960 HPP Coupling	New!	1	ea.	\$ 16.231	33
EX19243	1-1/2" x 1-1/4" PEX F1960 HPP Coupling		1	ea.	\$ 16.524	33
EX19248	1-1/2" x 1" PEX F1960 HPP Coupling		1	ea.	\$ 16.465	33
EX19264	2" x 1-1/2" PEX F1960 HPP Coupling		1	ea.	\$ 54.072	33
EX19282	1" x 3/4" PEX F1960 HPP Coupling		5	ea.	\$ 8.780	33
EX23305NL	1/2" PEX F1960 No Lead Brass Ball Valve, Full Port		10	ea.	\$ 15.320	42
EX23305NL-BF	1/2" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	New!	10	ea.	\$ 15.320	43
EX23305NL-D	1/2" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	New!	10	ea.	\$ 17.090	43
EX23322NL	3/4" PEX F1960 No Lead Brass Ball Valve, Full Port		10	ea.	\$ 24.220	42
EX23322NL-BF	3/4" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	New!	10	ea.	\$ 24.220	43
EX23322NL-D	3/4" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	New!	10	ea.	\$ 27.010	43
EX23328NL	1" PEX F1960 No Lead Brass Ball Valve, Full Port		6	ea.	\$ 40.340	42
EX23328NL-BF	1" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	New!	6	ea.	\$ 40.340	43
EX23328NL-D	1" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	New!	5	ea.	\$ 44.980	43
EX23335NL	1-1/4" PEX F1960 No Lead Brass Ball Valve, Full Port		4	ea.	\$ 64.660	42
EX23341NL	1-1/2" PEX F1960 No Lead Brass Ball Valve, Full Port		2	ea.	\$ 89.540	42
EX23354NL	2" PEX F1960 No Lead Brass Ball Valve, Full Port		2	ea.	\$ 168.180	42
EX23505NLB	1/2" PEX F1960 x 3/8" O.D. No Lead Brass Plated Straight Ball Valve	New!	20	ea.	\$ 11.030	42
EX23605NLB	1/2" PEX F1960 x 3/8" O.D. No Lead Brass Plated Angle Ball Valve	New!	20	ea.	\$ 11.030	42
EX23822NL	3/4" PEX F1960 x 3/4" MNPT No Lead Brass Ball Valve		10	ea.	\$ 25.850	43
EX23905NLB	1/2" PEX F1960 x 1/4" O.D. No Lead Straight Ball Valve	New!	20	ea.	\$ 10.310	42
EX24205	1/2" PEX F1960 Expansion Ring		100	ea.	\$ 0.501	31, 59
EX24219	5/8" PEX F1960 Expansion Ring		50	ea.	\$ 0.84	59
EX24222	3/4" PEX F1960 Expansion Ring		50	ea.	\$ 0.987	31, 59

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
EX24228	1" PEX F1960 Expansion Ring		50	ea.	\$ 2.071	31, 59
EX24235	1-1/4" PEX F1960 Expansion Ring		10	ea.	\$ 2.310	31
EX24241	1-1/2" PEX F1960 Expansion Ring		10	ea.	\$ 3.243	31
EX24250	2" PEX F1960 Expansion Ring		5	ea.	\$ 6.486	31
EX26222NL	3/4" x 3/4" x 3/4" PEX F1960 No Lead Brass Tee	WSL; see EX16222	25	ea.	\$ 27.372	39
EX26225NL	3/4" x 3/4" x 1/2" PEX F1960 No Lead Brass Tee	WSL; see EX16225	25	ea.	\$ 27.275	39
EX26252NL	3/4" x 1/2" x 3/4" PEX F1960 No Lead Brass Tee	WSL; see EX16252	25	ea.	\$ 22.958	39
EX26255NL	3/4" x 1/2" x 1/2" PEX F1960 No Lead Brass Tee	WSL; see EX16255	25	ea.	\$ 23.253	39
EX26555NL	1/2" x 1/2" x 1/2" PEX F1960 No Lead Brass Tee	WSL; see EX16555	25	ea.	\$ 16.654	39
EX26822NL	1" x 3/4" x 3/4" PEX F1960 No Lead Brass Tee	WSL; see EX16822	5	ea.	\$ 49.645	39
EX26882NL	1" x 1" x 3/4" PEX F1960 No Lead Brass Tee	WSL; see EX16882	5	ea.	\$ 50.512	39
EX26885NL	1" x 1" x 1/2" PEX F1960 No Lead Brass Tee	WSL; see EX16885	10	ea.	\$ 49.453	39
EX26888NL	1" x 1" x 1" PEX F1960 No Lead Brass Tee	WSL; see EX16888	10	ea.	\$ 47.207	39
EX27105NL	1/2" PEX F1960 x 1/2" M/Sweat No Lead Brass Adapter		25	ea.	\$ 6.310	37
EX27122NL	3/4" PEX F1960 x 3/4" M/Sweat No Lead Brass Adapter		25	ea.	\$ 13.804	37
EX27128NL	1" PEX F1960 x 1" M/Sweat No Lead Brass Adapter		10	ea.	\$ 25.909	37
EX27135NL	1-1/4" PEX F1960 x 1-1/4" M/Sweat No Lead Brass Adapter		5	ea.	\$ 56.027	37
EX27141NL	1-1/2" PEX F1960 x 1-1/2" M/Sweat No Lead Brass Adapter		5	ea.	\$ 92.076	37
EX27154NL	2" PEX F1960 x 2" M/Sweat No Lead Brass Adapter		5	ea.	\$ 254.803	37
EX27205NL	1/2" PEX F1960 x 1/2" F/Sweat No Lead Brass Adapter		25	ea.	\$ 6.451	37
EX27222NL	3/4" PEX F1960 x 3/4" F/Sweat No Lead Brass Adapter		25	ea.	\$ 14.677	37
EX27225NL	3/4" PEX F1960 x 1/2" F/Sweat No Lead Brass Adapter	New!	25	ea.	\$ 21.342	37
EX27228NL	1" PEX F1960 x 1" F/Sweat No Lead Brass Adapter		10	ea.	\$ 24.443	37
EX27235NL	1-1/4" PEX F1960 x 1-1/4" F/Sweat No Lead Brass Adapter		5	ea.	\$ 64.761	37
EX27241NL	1-1/4" PEX F1960 x 1-1/4" F/Sweat No Lead Brass Adapter		5	ea.	\$ 99.230	37
EX27254NL	2" PEX F1960 x 2" F/Sweat No Lead Brass Adapter		5	ea.	\$ 263.330	37
EX27505NL	1/2" PEX F1960 x 1/2" MNPT No Lead Brass Adapter		25	ea.	\$ 9.033	35
EX27521NL	3/4" PEX F1960 x 1" MNPT No Lead Brass Adapter	New!	10	ea.	\$ 31.887	35
EX27522NL	3/4" PEX F1960 x 3/4" MNPT No Lead Brass Adapter		25	ea.	\$ 16.243	35
EX27528NL	1" PEX F1960 x 1" MNPT No Lead Brass Adapter		10	ea.	\$ 33.186	35
EX27535NL	1-1/4" PEX F1960 x 1-1/4" MNPT No Lead Brass Adapter		5	ea.	\$ 74.273	35
EX27541NL	1-1/2" PEX F1960 x 1-1/2" MNPT No Lead Brass Adapter		5	ea.	\$ 100.187	35
EX27552NL	1/2" PEX F1960 x 3/4" MNPT No Lead Brass Adapter	New!	25	ea.	\$ 21.131	35
EX27554NL	2" PEX F1960 x 2" MNPT No Lead Brass Adapter		5	ea.	\$ 292.533	35
EX27582NL	1" PEX F1960 x 3/4" MNPT No Lead Brass Adapter	New!	10	ea.	\$ 32.434	35
EX27605NL	1/2" PEX F1960 x 1/2" FNPT No Lead Brass Adapter		25	ea.	\$ 18.076	36
EX27622NL	3/4" PEX F1960 x 3/4" FNPT No Lead Brass Adapter		25	ea.	\$ 20.980	36
EX27628NL	1" PEX F1960 x 1" FNPT No Lead Brass Adapter		25	ea.	\$ 44.174	36
EX27635NL	1-1/4" PEX F1960 x 1-1/4" FNPT No Lead Brass Adapter		5	ea.	\$ 80.128	36
EX27641NL	1-1/2" PEX F1960 x 1-1/2" FNPT No Lead Brass Adapter		5	ea.	\$ 162.045	36
EX27654NL	2" PEX F1960 x 2" FNPT No Lead Brass Adapter	New!	1	ea.	\$ 385.138	36
EX27G54NL	2" PEX F1960 x 2" IPS Roll Groove No Lead Brass Adapter	New!	1	ea.	\$ 125.660	38
EX27P05NL	1/2" PEX F1960 x 1/2" Copper Press Adapter	New!	30	ea.	\$ 8.300	38
EX27P22NL	3/4" PEX F1960 x 3/4" Copper Press Adapter	New!	30	ea.	\$ 12.000	38
EX27P28NL	1" PEX F1960 x 1" Copper Press Adapter	New!	30	ea.	\$ 17.450	38
EX27P35NL	1-1/4" PEX F1960 x 1-1/4" Copper Press Adapter	New!	20	ea.	\$ 27.270	38
EX27P41NL	1-1/2" PEX F1960 x 1-1/2" Copper Press Adapter	New!	1	ea.	\$ 39.070	38
EX27P54NL	2" PEX F1960 x 2" Copper Press Adapter	New!	1	ea.	\$ 67.270	38
EX27V35NL	1-1/4" PEX F1960 x 1-1/4" CPVC Socket Adapter	New!	10	ea.	\$ 72.380	38
EX27V41NL	1-1/2" PEX F1960 x 1-1/2" CPVC Socket Adapter	New!	1	ea.	\$ 84.140	38
EX27V54NL	2" PEX F1960 x 2" CPVC Socket Adapter	New!	1	ea.	\$ 125.910	38

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
EX28005NL	½" x ½" PEX F1960 No Lead Brass Elbow	WSL; see EX18005	25	ea.	\$ 11.580	34
EX28022NL	¾" x ¾" PEX F1960 No Lead Brass Elbow	WSL; see EX18022	25	ea.	\$ 19.529	34
EX28028NL	1" x 1" PEX F1960 No Lead Brass Elbow	WSL; see EX18028	10	ea.	\$ 30.830	34
EX28208NL	½" PEX F1960 x Closed, 3-½" x 8" Stub-out Elbow	New!	50	ea.	\$ 17.440	41
EX28305NL	½" PEX F1960 x ½" FNPT Drop Ear No Lead Brass Elbow		10	ea.	\$ 24.269	36
EX28322NL	¾" PEX F1960 x ¾" FNPT Drop Ear No Lead Brass Elbow	New!	4	ea.	\$ 49.329	36
EX28505NL	½" PEX F1960 x ½" MNPT No Lead Brass Elbow	New!	25	ea.	\$ 21.962	35
EX29005NL	½" x ½" PEX F1960 No Lead Brass Coupling	WSL; see EX19005	25	ea.	\$ 9.576	33
EX29022NL	¾" x ¾" PEX F1960 No Lead Brass Coupling	WSL; see EX19022	25	ea.	\$ 14.802	33
EX29028NL	1" x 1" PEX F1960 No Lead Brass Coupling	WSL; see EX19028	10	ea.	\$ 27.752	33
EX29225NL	¾" x ½" PEX F1960 No Lead Brass Coupling	WSL; see EX19225	25	ea.	\$ 12.912	33
EX29282NL	1" x ¾" PEX F1960 No Lead Brass Coupling	WSL; see EX19282	10	ea.	\$ 22.848	33
EX77305	½" PEX F1960 to 1-¼" SS Manifold Connector		1	pair	\$ 35.99	55
EX77319	¾" PEX F1960 to 1-¼" SS Manifold Connector		1	pair	\$ 37.16	55
EX77322	¾" PEX F1960 to 1-¼" SS Manifold Connector		1	pair	\$ 38.45	55
EX77419	¾" PEX F1960 to 1-½" SS Manifold Connector		1	pair	\$ 56.20	58
EX77422	¾" PEX F1960 to 1-½" SS Manifold Connector		1	pair	\$ 56.52	58
EX77428	1" PEX F1960 to 1-½" SS Manifold Connector		1	pair	\$ 64.43	58
FLWSWTCH	Flow Switch for Domestic Hot Water Priority		1	ea.	\$ 336.27	105
HEP025P	HEP 25MBH Isolation Heat Exchanger Panel		1	ea.	\$ 5,735.00	107
HEP025R	HEP 25MBH Isolation Heat Exchanger Panel Lite		1	ea.	\$ 4,188.00	108
HEP025RT	HEP 25MBH Isolation Heat Exchanger Panel Lite w/Timer		1	ea.	\$ 4,408.00	109
HEP025RTDP	HEP 25MBH Isolation Heat Exchanger Panel Dual Pump w/Timer		1	ea.	\$ 5,432.00	109
HEP080P	HEP 80MBH Isolation Heat Exchanger Panel		1	ea.	\$ 6,234.00	107
HEP080RT	HEP 80MBH Isolation Heat Exchanger Panel Lite w/Timer		1	ea.	\$ 4,683.00	109
HEP080RTDP	HEP 80MBH Isolation Heat Exchanger Panel Dual Pump w/Timer		1	ea.	\$ 5,893.00	109
HEP095P	HEP 95MBH Isolation Heat Exchanger Panel		1	ea.	\$ 8,576.00	107
Knight01	Panel for Knight Wall Mount Boiler (3 Pump)		1	ea.	\$ 4,170.00	95
Knight02	Panel for Knight Wall Mount Boiler (4 Pump)		1	ea.	\$ 4,805.00	95
NTRWSH1	1" x 3mm Blk Nitrile Washer for Panels		5	ea.	\$ 6.13	154
NTRWSH1-SRV	1" x 1.5mm Blk Nitrile (replacement washers Pre-2014 Panels)		5	ea.	\$ 5.22	154
NTRWSH34	¾" x 3mm Blk Nitrile Washer for Panels		5	ea.	\$ 3.13	154
NTRWSH34-SRV	¾" x 1.5mm Blk Nitrile (replacement washers Pre-2014 Panels)		5	ea.	\$ 2.64	154
OPT-SMP-680	Optional SMP Control Upgrade to BMS 680 BACnet (30090,30091 Sold Sep.)	Discontinued	1	ea.	\$ 5,952.00	
PC2319CVR	Powder Coated Cover 23"x19" for HEP025/80R/T/DP,3WMIX,4WMIX		1	ea.	\$ 362.06	108
PLC1R2	Controller for TMP04%70, SMP, ZMP, ELB and old SSP/SST		1	ea.	\$ 1,231.69	154
PLC4AR2	Controller for TMP085DP, TMP200DT		1	ea.	\$ 1,290.04	154
PLC5R2	Controller for TWH070Z using FLWSWTCH		1	ea.	\$ 1,878.30	154
PLC6R2P3	Controller for CDP Panels with 3 Pumps	Call for Availability	1	ea.	\$ 1,424.25	155
PLC6R2P4	Controller for CDP Panels with 4 Pumps	Call for Availability	1	ea.	\$ 1,794.58	155
PLC7R1P1	Controller for WHP using HEPPS		1	ea.	\$ 1,450.38	155
PLC7R1P2	Controller for HEP using HEPPS		1	ea.	\$ 1,450.38	155
PLC7R1P2-TWH	Controller for TWH (except for Z models) using HEPPS		1	ea.	\$ 1,479.93	155
PLC7R2P1	Controller for WHP using FLWSWTCH		1	ea.	\$ 1,231.07	155
PLC7R2P2	Controller for HEP, TWH (except Z) using FLWSWTCH		1	ea.	\$ 1,231.66	155
PLINTR40VA	24Vac 40VA Plug-In Transformer for Panels		1	ea.	\$ 234.12	78, 155
PUMP1558	UPS15-58RU Composite 115V Pump		1	ea.	\$ 679.10	155
PUMP2699	UPS26-99FC 115V Cast Iron Pump		1	ea.	\$ 1,608.39	155
PUMP2699BR	UPS26-99BFC 115V Bronze Pump		1	ea.	\$ 2,578.07	155
PWRB6R2	Power Box for CDP Panels	WSL	1	ea.	\$ 1,274.60	155
SMCP	Snowmelt Control c/w ETO2 DDC and 2 Strap On Sensors	Discontinued; see 30654	1	ea.	\$ 2,597.04	

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
SMCP-654	Snow Melt Control Package - 30654		1	ea.	\$ 3,016.63	82
SMCP-654PWM	Snow Melt Control Package - 30654 Pulse Width Modulation	New!	1	ea.	\$ 3,016.63	82
SMP175-654-HEX	SMP 175MBH SS Snow Melt Panel 2x20 HEX (30090,30091 sold sep)		1	ea.	\$ 19,170.00	132
SMP175-680-HEX	SMP 175MBH SS Snow Melt Panel 2x20 HEX BACnet (30090,30091 sold sep)	New!	1	ea.	\$ 25,122.00	133
SMP175SS-HEX	SMP 175MBH SS Snow Melt Panel 2x20 HEX (DRVWSNS-SS sold sep)	Discontinued; see SMP175-654-HEX	1	ea.	\$ 19,170.00	
SMP300-654-HEX	SMP 300MBH SS Snow Melt Panel 2x30 HEX (30090,30091 sold sep)		1	ea.	\$ 19,483.00	132
SMP300-654-HEX-H	SMP 365MBH SS Snow Melt Panel 3x30 HEX & HH Pump (30090,30091 sold sep)		1	ea.	\$ 21,824.00	132
SMP300-654-HEX-HH	SMP 365MBH SS Snow Melt Panel 3x30 HEX & 2xHH Pump (30090,30091 sold sep)		1	ea.	\$ 23,758.00	132
SMP300-680-HEX	SMP 300MBH SS Snow Melt Panel 2x30 HEX BACnet (30090,30091 sold sep)	New!	1	ea.	\$ 25,435.00	133
SMP300-680-HEX-H	SMP 365MBH SS Snow Melt Panel 3x30 HEX & HH Pmp BAC (30090,30091 sold sep)	New!	1	ea.	\$ 27,776.00	133
SMP300-680-HEX-HH	SMP 365MBH SS Snow Melt Panel 3x30 HEX & 2xHH Pmp BAC(30090,30091 sold sep)	New!	1	ea.	\$ 29,710.00	133
SMP300SS-HEX	SMP 300MBH SS Snow Melt Panel 2x30 HEX (DRVWSNS-SS sold sep)	Discontinued; see SMP300-654-HEX	1	ea.	\$ 19,483.00	
SMP300SS-HEX-H	SMP 365MBH SS Snow Melt Panel 3x30 HEX & HH Pump (DRVWSNS-SS sold sep)	Discontinued; see SMP300-654-HEX-H	1	ea.	\$ 21,824.00	
SMP335	SMP 335MBH Copper Snow Melt Panel 4x20 Plate HEX (DRVWSNS-SS sold sep)	Discontinued; see SMP335-654	1	ea.	\$ 42,209.00	
SMP335-654	SMP 335MBH Copper Snow Melt Panel 4x20 Plate HEX (30090,30091 sold sep)		1	ea.	\$ 42,209.00	136
SMP335-680	SMP 335MBH Copper Snow Melt Panel 4x20 HEX BACnet (30090,30091 sold sep)	New!	1	ea.	\$ 48,161.00	137
SMP375-654	SMP 300MBH SS Snow Melt Panel (No HEX; 30090,30091 sold sep)		1	ea.	\$ 15,167.00	130
SMP375-654-H	SMP 375MBH SS Snow Melt Panel with HH Pump (No HEX; 30090,30091 sold sep)		1	ea.	\$ 16,386.00	130
SMP375-680	SMP 300MBH SS Snow Melt Panel BACnet (No HEX; 30090,30091 sold sep)	New!	1	ea.	\$ 21,119.00	131
SMP375-680-H	SMP 375MBH SS Snow Melt Panel w/HH Pump BAC (No HEX; 30090,30091 sold sep)	New!	1	ea.	\$ 22,338.00	131
SMP375SS	SMP 300MBH SS Snow Melt Panel (No HEX; DRVWSNS-SS sold sep)	Discontinued; see SMP375-654	1	ea.	\$ 15,167.00	
SMP375SSH	SMP 375MBH SS Snow Melt Panel with HH Pump (No HEX; DRVWSNS-SS sold sep)	Discontinued; see SMP375-654-H	1	ea.	\$ 16,386.00	
SMP400D	SMP 400MBH Copper Snow Melt Panel (No HEX; DRVWSNS-SS sold sep)	Discontinued; see SMP400D-654	1	ea.	\$ 32,879.00	
SMP400D-654	SMP 400MBH Copper Snow Melt Panel (No HEX; 30090,30091 sold sep)		1	ea.	\$ 32,879.00	134
SMP400D-680	SMP 400MBH Copper Snow Melt Panel BACnet (No HEX; 30090,30091 sold sep)	New!	1	ea.	\$ 38,831.00	135
SMP425	SMP 425MBH Copper Snow Melt Panel 4x30 Plate HEX (DRVWSNS-SS sold sep)	Discontinued; see SMP425-654	1	ea.	\$ 43,069.00	
SMP425-654	SMP 425MBH Copper Snow Melt Panel 4x30 Plate HEX (30090,30091 sold sep)		1	ea.	\$ 43,069.00	136
SMP425-680	SMP 425MBH Copper Snow Melt Panel 4x30 HEX BACnet (30090,30091 sold sep)	New!	1	ea.	\$ 49,021.00	137
TFT01	TFT01 Boiler Panel 3 Pump		1	ea.	\$ 4,170.00	96
TFT02	TFT02 High Capacity Boiler 4 Pump		1	ea.	\$ 4,805.00	96
TMP040	TMP 40MBH 3-Way Mixing Panel		1	ea.	\$ 2,952.00	100
TMP070	TMP 70MBH 3-Way Mixing Panel		1	ea.	\$ 3,268.00	100
TMP070RS	TMP 70MBH 3-Way Mixing Panel (Automatic Outdoor Reset)	Discontinued	1	ea.	\$ 6,279.00	
TMP070Z	TMP 70MBH 3-Way Mixing Panel with Zoning		1	ea.	\$ 4,578.00	101
TMP085DP	TMP 85MBH Dual Pump 3-Way Mixing panel		1	ea.	\$ 4,784.00	102
TWH070P	TWH 70MBH Tankless Water Heater Mixing Panel (DHW Priority Opt)		1	ea.	\$ 4,537.00	105
TWH070XP	TWH 70MBH HH Tankless Water Heater Mixing Panel (DHW Priority Opt)		1	ea.	\$ 6,525.00	105
TWH070XPZ	TWH 70MBH High Head Tankless Water Heater Mixing Panel with Zoning		1	ea.	\$ 7,246.00	106
TWH070Z	TWH 70MBH Tankless Water Heater Mixing Panel with Zoning		1	ea.	\$ 5,156.00	106
V101	V100 Boiler Panel 1 Htg 1 DHW		1	ea.	\$ 4,367.00	93
V102	V100 Boiler Panel 2 Htg 1 DHW		1	ea.	\$ 5,178.00	93
V103	V100 Boiler Panel 3 Htg		1	ea.	\$ 5,178.00	93

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New Products :

Stk#	Description	Pg.	Stk#	Description	Pg.
02330	1-1/4" Magnetic Dirt Separator	88	EX16228	3/4" x 3/4" x 1" PEX F1960 HPP Tee	40
12052	1/2" & 3/4" J-Clip	139	EX16445	1-1/2" x 1-1/2" x 1/2" PEX F1960 HPP Tee	40
21428	1" 5x12ft Red PureLink® Plus UV Stabilized PEX-a Tubing	6	EX16484	1-1/2" x 1" x 1-1/2" PEX F1960 HPP Tee	40
23305NL-BF	1/2" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	28	EX16646	2" x 1-1/2" x 2" PEX F1960 HPP Tee	40
23305NL-D	1/2" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	28	EX16665	2" x 2" x 1/2" PEX F1960 HPP Tee	40
23322NL-BF	3/4" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	28	EX18441	1-1/2" x 1-1/2" PEX F1960 HPP 45 Elbow	34
23322NL-D	3/4" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	28	EX18454	2" x 2" PEX F1960 HPP 45 Elbow	34
23328NL-BF	1" PEX F1807 No Lead Brass Ball Valve with Butterfly Handle, Full Port	28	EX23305NL-BF	1/2" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	43
23328NL-D	1" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	28	EX23305NL-D	1/2" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	43
23505NLB	1/2" PEX x 3/8" O.D. No Lead Brass Plated Straight Ball Valve	27	EX23322NL-BF	3/4" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	43
23605NLB	1/2" PEX x 3/8" O.D. No Lead Brass Plated Angle Ball Valve	27	EX23322NL-D	3/4" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	43
23905NLB	1/2" PEX x 1/4" O.D. No Lead Straight Ball Valve	27	EX23328NL-BF	1" PEX F1960 No Lead Brass Ball Valve with Butterfly Handle, Full Port	43
27G54NL	2" PEX F1807 x 2" IPS Roll Groove No Lead Brass Adapter	22	EX23328NL-D	1" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	43
3WMIX-680	3-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt BACnet	127	EX23505NLB	1/2" PEX F1960 x 3/8" O.D. No Lead Brass Plated Straight Ball Valve	42
3WMIXHH-680	3-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt BACnet	127	EX23605NLB	1/2" PEX F1960 x 3/8" O.D. No Lead Brass Plated Angle Ball Valve	42
4WMIX-680	4-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt BACnet	129	EX23905NLB	1/2" PEX F1960 x 1/4" O.D. No Lead Straight Ball Valve	42
4WMIXHH-680	4-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt BACnet	129	EX27225NL	3/4" PEX F1960 x 1/2" F/Sweat No Lead Brass Adapter	37
63720VB	3/4" Compact 3-Way Mixing Valve	64	EX27521NL	3/4" PEX F1960 x 1" MNPT No Lead Brass Adapter	35
63725VB	1" Compact 3-Way Mixing Valve	64	EX27552NL	1/2" PEX F1960 x 3/4" MNPT No Lead Brass Adapter	35
76681B	3/4" Ball Valve for 2" SS Manifold - Blue Handle	152	EX27582NL	1" PEX F1960 x 3/4" MNPT No Lead Brass Adapter	35
76681R	3/4" Ball Valve for 2" SS Manifold - Red Handle	152	EX27654NL	2" PEX F1960 x 2" FNPT No Lead Brass Adapter	36
76950	Flow Meter Valve Insert (0-2 USgpm Lock Nut) for 1-1/4" SS Mfd (Sup.)	150	EX27G54NL	2" PEX F1960 x 2" IPS Roll Groove No Lead Brass Adapter	38
76951	Connector Base for 1-1/4" SS Manifold (Flow Meter w/Lock Nut)	150	EX27P05NL	1/2" PEX F1960 x 1/2" Copper Press Adapter	38
76952	Connector Base for 1-1/4" SS Manifold	150	EX27P22NL	3/4" PEX F1960 x 3/4" Copper Press Adapter	38
76953	Balancing Valve Insert for 1-1/4" High Flow SS Manifold (Supply)	150	EX27P28NL	1" PEX F1960 x 1" Copper Press Adapter	38
76954	Zone Valve Insert for 1-1/4" SS Manifold (Return)	151	EX27P35NL	1-1/4" PEX F1960 x 1-1/4" Copper Press Adapter	38
76956	1-1/4" EPDM Gasket	151	EX27P41NL	1-1/2" PEX F1960 x 1-1/2" Copper Press Adapter	38
76958	O-ring for 1-1/4" SS Manifold 1/2" G Accessories	151	EX27P54NL	2" PEX F1960 x 2" Copper Press Adapter	38
76959	O-ring for 1-1/4" SS Manifold 1" G Connections	151	EX27V35NL	1-1/4" PEX F1960 x 1-1/4" CPVC Socket Adapter	38
76960	Blue Shut-off Cap for 1-1/4" SS Manifold	151	EX27V41NL	1-1/2" PEX F1960 x 1-1/2" CPVC Socket Adapter	38
76961	Mounting Bracket for 1-1/4" SS Manifold	151	EX27V54NL	2" PEX F1960 x 2" CPVC Socket Adapter	38
76966	EPDM Gasket for 1-1/2" SS Manifold End Cap	151	EX28208NL	1/2" PEX F1960 x Closed, 3-1/2" x 8" Stub-out Elbow	41
76967	2" EPDM Gasket	151	EX28322NL	3/4" PEX F1960 x 3/4" FNPT Drop Ear No Lead Brass Elbow	36
76968	Mounting Brackets for 1-1/2" SS Manifold, Low Type	151	EX28505NL	1/2" PEX F1960 x 1/2" MNPT No Lead Brass Elbow	35
76969	Mounting Brackets for 1-1/2" SS Manifold, High Type	151	SMCP-654PWM	Snow Melt Control Package - 30654 Pulse Width Modulation	82
76970	Flow Meter 2-8 US GPM	151	SMP175-680-HEX	SMP 175MBH SS Snow Melt Panel 2x20 HEX BACnet (30090,30091 sold sep)	133
76971	Ball Valve for 1-1/2" SS Manifold	151	SMP300-680-HEX	SMP 300MBH SS Snow Melt Panel 2x30 HEX BACnet (30090,30091 sold sep)	133
76972	Hose Bib for SS Manifold	151	SMP300-680-HEX-H	SMP 365MBH SS Snow Melt Panel 3x30 HEX & HH Pmp BAC (30090,30091 sold sep)	133
76973	1" Ball Valve Set for 1-1/4" SS Manifold	151	SMP300-680-HEX-HH	SMP 365MBH SS Snow Melt Panel 3x30 HEX & 2xHH Pmp BAC(30090,30091 sold sep)	133
76974	Pair of Thermometers for 75100/75200 Series Manifolds	151	SMP335-680	SMP 335MBH Copper Snow Melt Panel 4x20 HEX BACnet (30090,30091 sold sep)	137
EX13208C	8 Port, 3/4" PEX F1960 x Closed End HPP Commercial Multiport Tee	32	SMP375-680	SMP 300MBH SS Snow Melt Panel BACnet (No HEX; 30090,30091 sold sep)	131
EX13804	4 Port, 1" PEX F1960 x Closed End HPP Multiport Tee	32	SMP375-680-H	SMP 375MBH SS Snow Melt Panel w/HH Pump BAC (No HEX; 30090,30091 sold sep)	131
EX13810C	10 Port, 1" PEX F1960 x Closed End HPP Commercial Multiport Tee	32	SMP400D-680	SMP 400MBH Copper Snow Melt Panel BACnet (No HEX; 30090,30091 sold sep)	135
EX13812C	12 Port, 1" PEX F1960 x Closed End HPP Commercial Multiport Tee	32	SMP425-680	SMP 425MBH Copper Snow Melt Panel 4x30 HEX BACnet (30090,30091 sold sep)	137
EX14206	6 Port, 3/4" x 3/4" PEX F1960 Flow Through HPP Multiport Tee	32			
EX14704	4 Port, 1" x 3/4" PEX F1960 Flow Through HPP Multiport Tee	32			
EX14804	4 Port, 1" x 1" PEX F1960 Flow Through HPP Multiport Tee	32			
EX14806	6 Port, 1" x 1" PEX F1960 Flow Through HPP Multiport Tee	32			

Discontinued Products :

Stk#	Description	Substitute
01311	1L Purging Compound (Pre & Post Operational Cleaner)	
11252	½" and ¾" EasyFit™ Wrench	
13203	3 Port Single Row, ¾" PEX × Closed End HPP Multiport Tee	
13833	6 Port Opposing Rows, 1" PEX × Closed End HPP Multiport Tee	
13844	8 Port Opposing Rows, 1" PEX × Closed End HPP Multiport Tee	
14203	3 Port Single Row, ¾" PEX × ¾" PEX Flow Through HPP Multiport Tee	
14233	6 Port Opposing Rows, ¾" PEX × ¾" PEX Flow Through HPP Multiport Tee	
14244	8 Port Opposing Rows, ¾" PEX × ¾" PEX Flow Through HPP Multiport Tee	
14703	3 Port Single Row, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	
14706	6 Port Single Row, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	
14708	8 Port Single Row, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	
14733	6 Port Opposing Rows, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	
14744	8 Port Opposing Rows, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	
26552NL	½" × ½" × ¾" PEX No Lead Brass Tee	
27328NL	¾" PEX × 1" F/Sweat No Lead Adapter	
3WMIX	3-Way Mixing Panel 1-¼" 26-99 Pump	3WMIX-360
3WMIX-SMCP	3-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt	3WMIX-654
3WMIXHH	3-Way Mixing Panel 1-¼" 26-150 Pump	3WMIXHH-360
3WMIXHH-SMCP	3-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt	3WMIXHH-654
40318	StatLink® 8 Zone Wired Module	40414
4WMIX	4-Way Mixing Panel 1-¼" 26-99 Pump	4WMIX-360
4WMIX-HH-SMCP-BAC	4-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt (requires OPT-SMP-680)	4WMIXHH-680
4WMIX-SMCP	4-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt	4WMIX-654
4WMIXHH	4-Way Mixing Panel 1-¼" 26-150 Pump	4WMIXHH-360
4WMIXHH-SMCP	4-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt	4WMIXHH-654
4WMIX-SMCP-BAC	4-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt (requires OPT-SMP-680)	4WMIX-680
58052	Plastic Mixing Valve Motor Coupling for 1" - 2" 4-Way Valves	
58950	Accessory Pack for #58150 v1 (Rectangle, SM5)	
62030V	Straight Zone Valve 1-¼" NPT	
62220	Straight Zone Valve ¾" NPT, Nickel Plated	
62816	Zone Valve Insert ½" (Blue Cap)	
62900V	Zone Valve Insert for 62000V Series Valves	
62916	Radiator Valve Insert ½" (Black Cap)	
62920	Radiator Valve Insert ¾" (Black Cap)	
76103	3 Loop SS Manifold with Flow Meters	75103
76104	4 Loop SS Manifold with Flow Meters	75104
76105	5 Loop SS Manifold with Flow Meters	75105
76106	6 Loop SS Manifold with Flow Meters	75106

Stk#	Description	Substitute
76107	7 Loop SS Manifold with Flow Meters	75107
76108	8 Loop SS Manifold with Flow Meters	75108
76110	10 Loop SS Manifold with Flow Meters	75110
76111	11 Loop SS Manifold with Flow Meters	75111
76112	12 Loop SS Manifold with Flow Meters	75112
76202	2 Loop High Flow SS Manifold	75202
76203	3 Loop High Flow SS Manifold	75203
76204	4 Loop High Flow SS Manifold	75204
76205	5 Loop High Flow SS Manifold	75205
76206	6 Loop High Flow SS Manifold	75206
76207	7 Loop High Flow SS Manifold	75207
76208	8 Loop High Flow SS Manifold	75208
76209	9 Loop High Flow SS Manifold	75209
76210	10 Loop High Flow SS Manifold	75210
76211	11 Loop High Flow SS Manifold	75211
76212	12 Loop High Flow SS Manifold	75212
76608	8 Loop 2" SS Manifold	76708
76609	9 Loop 2" SS Manifold	76710
76611	11 Loop 2" SS Manifold	76712
76612	12 Loop 2" SS Manifold	76712
76614	14 Loop 2" SS Manifold	
76919	Connector Base for 1-¼" SS Manifold	
76924	O-ring for 1-¼" SS Manifold Coupling and End Connections	
77739	O-ring for PEX to 1-¼" SS Manifold Connector	
86028	1" Conduit 90s	
86255	Metal Drop Ear Bend Support for ½" Tubing	
ELBP30TS8	Electric Boiler Panel 30,000BTU with 8 Loop Twist Seal Mini Multiport	
OPT-SMP-680	Optional SMP Control Upgrade to BMS 680 BACnet (30090,30091 Sold Sep.)	
SSAAV	Installed Side Mount Auto Air Vent 76935 on Mnfd (req SSP/SST panel)	
SMCP	Snowmelt Control c/w ETO2 DDC and 2 Strap On Sensors	
SMP175SS-HEX	SMP 175MBH SS Snow Melt Panel 2×20 HEX (DRVWSNS-SS sold sep)	SMP175-654-HEX
SMP300SS-HEX	SMP 300MBH SS Snow Melt Panel 2×30 HEX (DRVWSNS-SS sold sep)	SMP300-654-HEX
SMP300SS-HEX-H	SMP 365MBH SS Snow Melt Panel 3×30 HEX & HH Pump (DRVWSNS-SS sold sep)	SMP300-654-HEX-H
SMP335	SMP 335MBH Copper Snow Melt Panel 4×20 Plate HEX (DRVWSNS-SS sold sep)	SMP335-654
SMP375SS	SMP 300MBH SS Snow Melt Panel (No HEX; DRVWSNS-SS sold sep)	SMP375-654
SMP375SSH	SMP 375MBH SS Snow Melt Panel with HH Pump (No HEX; DRVWSNS-SS sold sep)	SMP375-654-H
SMP400D	SMP 400MBH Copper Snow Melt Panel (No HEX; DRVWSNS-SS sold sep)	SMP400D-654
SMP425	SMP 425MBH Copper Snow Melt Panel 4×30 Plate HEX (DRVWSNS-SS sold sep)	SMP425-654
TMP070RS	TMP 70MBH 3-Way Mixing Panel (Automatic Outdoor Reset)	

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Johnston High School

Johnston, Iowa

Architect: FRK Architects + Engineers

Radiant heating: 209,000 sq.ft.

Tubing: 211,000 ft. ½" oxygen barrier PEX-a

Distribution: 125 manifolds, 880 loops



Arthur J.E. Child Comprehensive Cancer Centre

Calgary, Alberta

Architect: DIALOG Design

Radiant heating: 7,769 sq.ft.

Snow melting: 13,935 sq.ft.





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