



Plumbing, Heating, & Panels Product Catalog / Price List

Effective July 1, 2023

2023
Canada





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.

HeatLink was acquired by Mueller Industries in 2017. Mueller is a publicly traded manufacturer headquartered in Collierville, Tennessee that began operating in 1917 and has operations across the USA, Canada, Mexico, Great Britain, South Korea, the Middle East, and China.

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.

Parent Company Description

Mueller Industries, Inc. is a leading industrial manufacturer that specializes in copper and copper alloy manufacturing while also producing goods made from aluminum, steel, and plastics. The range of these products is broad: copper tube and fittings; line sets; brass and copper alloy rod, bar, and shapes; aluminum and brass forgings; aluminum impact extrusions; PEX plastic tube; refrigeration valves and fittings; fabricated tubular products; and steel nipples. Mueller also resells brass and plastic plumbing valves, plastic fittings, malleable iron fittings, faucets and plumbing specialty products. Mueller products can be found as critical components in applications ranging from potable water distribution to automotive drive trains to household appliances to radar defense systems, and more, quietly doing their part to make life and business better.

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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: 3 days from confirmed order (or less).

D/C pickups: 3 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 without PEX straight lengths.
Net minimum order if ordering PEX straight lengths varies by region.
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 herein-before 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 50% 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.

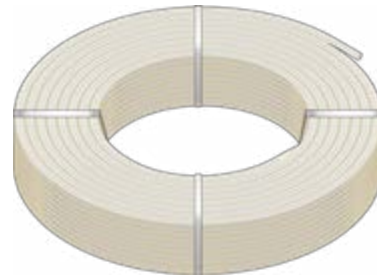
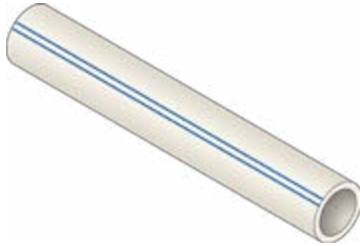
PureLink® Plus Blue Stripe PEX-a Tubing 20000 Series

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the diameter at 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](#).

Minimum bending radius @ 68°F (20°C) for:

- 1/2" = 3" (77 mm)
- 3/4" = 4-1/2" (115 mm)
- 1" = 6" (153 mm)



Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
20105	1/2" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	104	coil	\$ 86.500
20305	1/2" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 259.50
20505	1/2" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	32	coil	\$ 432.50
20905	1/2" 1000ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 865.00
20122	3/4" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	60	coil	\$ 160.100
20322	3/4" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 480.30
20522	3/4" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	12	coil	\$ 800.50
20128	1" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 267.30
20328	1" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 801.90

For sizes 1-1/4" and larger, please see [page 9](#).

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
20405	1/2" 25×12ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 259.500
20205	1/2" 20×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 346.000
20422	3/4" 10×12ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 192.120
20222	3/4" 10×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 320.200
20428	1" 5×12ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 160.380
20228	1" 5×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 267.300

For sizes 1-1/4" and larger, please see [page 9](#).

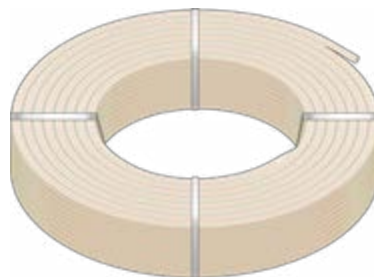
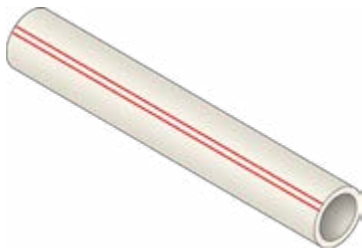
PureLink® Plus Red Stripe PEX-a Tubing 21000 Series

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the diameter at 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](#).

Minimum bending radius @ 68°F (20°C) for:

- 1/2" = 3" (77 mm)
- 3/4" = 4-1/2" (115 mm)
- 1" = 6" (153 mm)



Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
21105	1/2" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	104	coil	\$ 86.500
21305	1/2" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 259.500
21505	1/2" 500ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	32	coil	\$ 432.500
21122	3/4" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	60	coil	\$ 160.100
21322	3/4" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 480.300
21128	1" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 267.300
21328	1" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 801.900

For sizes 1-1/4" and larger, please see [page 9](#).

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
21405	1/2" 25×12ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 259.500
21205	1/2" 20×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 346.000
21422	3/4" 10×12ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 192.120
21222	3/4" 10×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 320.200
21228	1" 5×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 267.300

For sizes 1-1/4" 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.

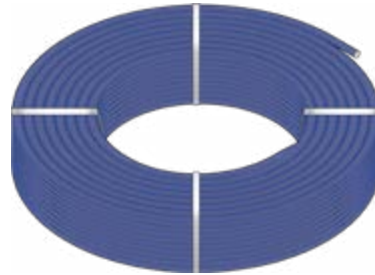
PureLink® Plus Blue Wall PEX-a Tubing 20000BW Series

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the diameter at 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](#).

Minimum bending radius @ 68°F (20°C) for:

- 1/2" = 3" (77 mm)
- 3/4" = 4-1/2" (115 mm)
- 1" = 6" (153 mm)



Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
20105BW	1/2" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	104	coil	\$ 95.800
20305BW	1/2" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 287.400
20122BW	3/4" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	60	coil	\$ 177.700
20322BW	3/4" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 533.100
20128BW	1" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 296.500
20328BW	1" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 889.500

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
20205BW	1/2" 20×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 383.200
20222BW	3/4" 10×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 355.400
20228BW	1" 5×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 296.500

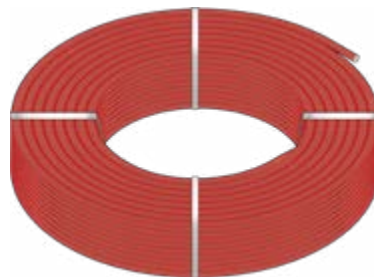
PureLink® Plus Red Wall PEX-a Tubing 21000RW Series

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the diameter at 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](#).

Minimum bending radius @ 68°F (20°C) for:

- 1/2" = 3" (77 mm)
- 3/4" = 4-1/2" (115 mm)
- 1" = 6" (153 mm)



Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
21105RW	1/2" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	104	coil	\$ 95.800
21305RW	1/2" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	48	coil	\$ 287.400
21122RW	3/4" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	60	coil	\$ 177.700
21322RW	3/4" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 533.100
21128RW	1" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 296.500
21328RW	1" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 889.500

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
21205RW	1/2" 20×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 383.200
21222RW	3/4" 10×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 355.400
21228RW	1" 5×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 296.500

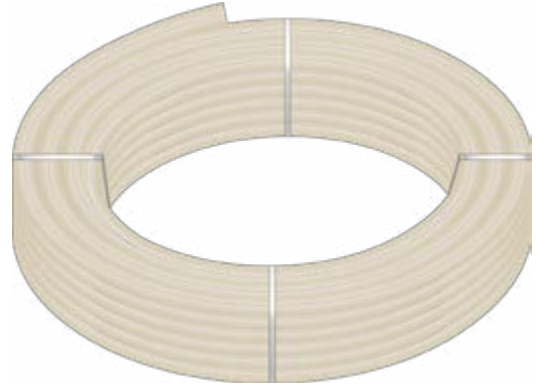
PureLink® Plus Large Dimension PEX-a Tubing 20000 Series

High molecular crosslinked polyethylene (PEX) with minimum bending radius of 6× the diameter at 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 [SUB20000](#).

Minimum bending radius @ 68°F (20°C) for:

- 1-1/4" = 7-1/2" (191 mm)
- 1-1/2" = 9" (229 mm)
- 2" = 12" (305 mm)

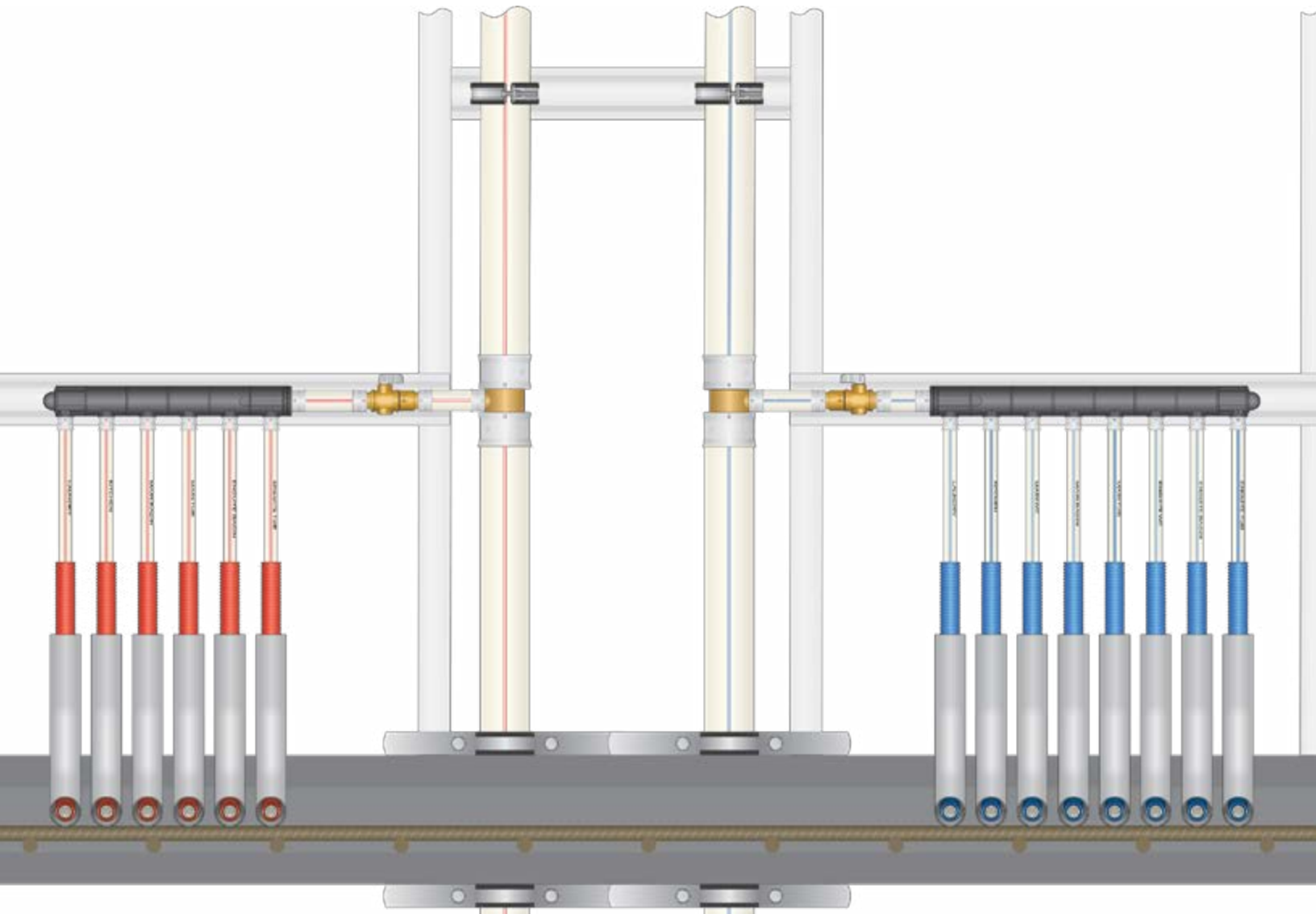
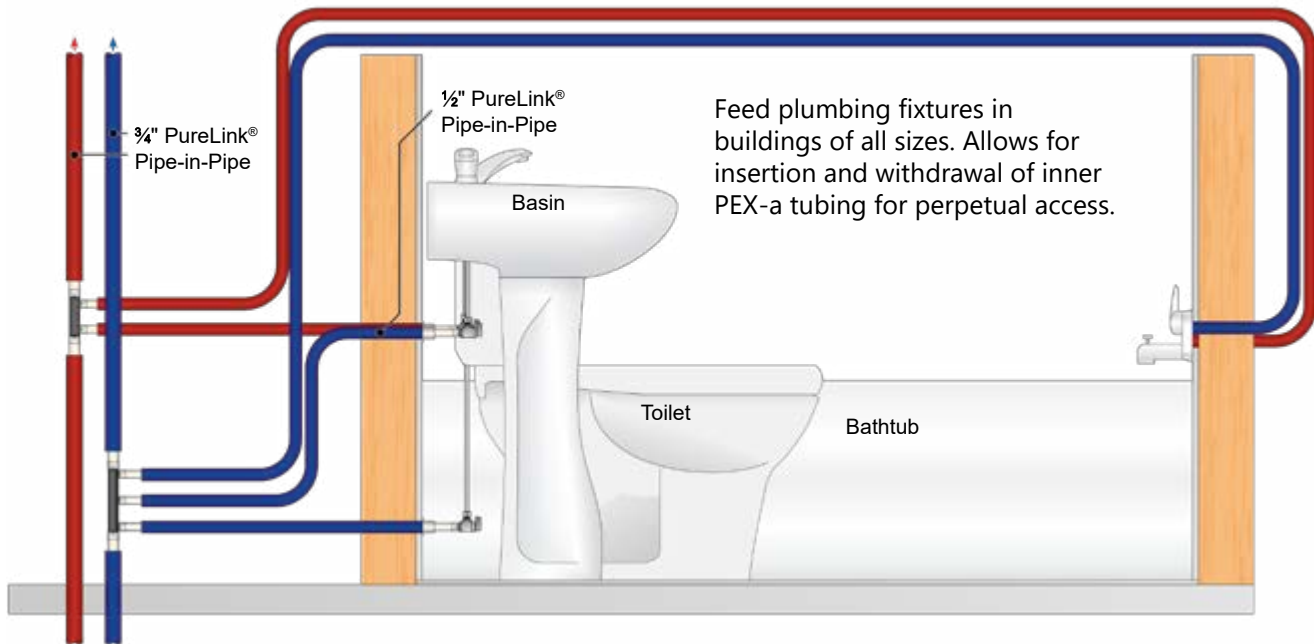


Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
20135	1-1/4" 100ft PureLink® Plus UV Stabilized PEX-a Tubing	1	10	coil	\$ 567.600
20335	1-1/4" 300ft PureLink® Plus UV Stabilized PEX-a Tubing	1	7	coil	\$ 1,702.800
20145	1-1/2" 100ft PureLink® Plus UV Stabilized PEX-a Tubing	1	8	coil	\$ 746.400
20345	1-1/2" 300ft PureLink® Plus UV Stabilized PEX-a Tubing	1	5	coil	\$ 2,239.200
20154	2" 100ft PureLink® Plus UV Stabilized PEX-a Tubing	1	5	coil	\$ 1,491.000
20354	2" 300ft PureLink® Plus UV Stabilized PEX-a Tubing	1	3	coil	\$ 4,473.000

Stk#	Description	Pkg Qty	Master Bag	Unit	List Price / Unit
20435	1-1/4" 5×12ft PureLink® Plus UV Stabilized PEX-a Tubing	1	20	bundle	\$ 340.560
20235	1-1/4" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing	1	15	bundle	\$ 567.600
20245	1-1/2" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing	1	10	bundle	\$ 746.400
20254	2" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing	1	5	bundle	\$ 1,491.000

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](#).

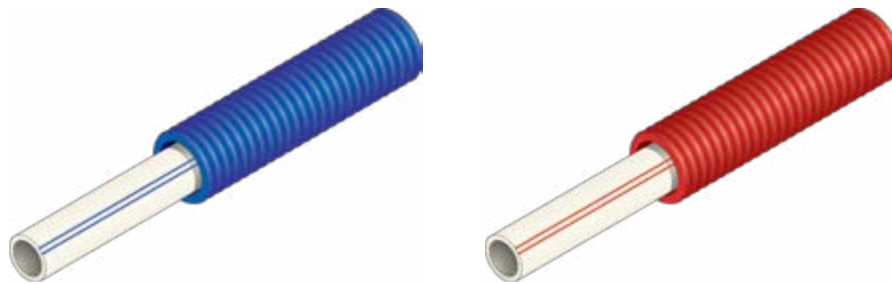
Minimum bending radius @ 68°F (20°C) for:

- 1/2" = 3" (77 mm)
- 3/4" = 4-1/2" (115 mm)
- 1" = 6" (153 mm)

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	\$ 447.300
92322bs	3/4" 300ft Blue PureLink® Plus Pipe-in-Pipe	1	9	coil	\$ 857.700
92128bs	1" 100ft Blue PureLink® Plus Pipe-in-Pipe	1	14	coil	\$ 498.600

Stk#	Description	Pkg Qty	Skid Qty	Unit	List Price / Unit
92305rs	1/2" 300ft Red PureLink® Plus Pipe-in-Pipe	1	18	coil	\$ 447.300
92322rs	3/4" 300ft Red PureLink® Plus Pipe-in-Pipe	1	9	coil	\$ 857.700
92128rs	1" 100ft Red PureLink® Plus Pipe-in-Pipe	1	14	coil	\$ 498.600

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	Carton Qty	Unit	List Price / Unit
92305bcs	1-5/16" 300ft Blue Corrugated Sleeve for 1/2" PEX	1		ea.	\$ 215.700
92322bcs	1-3/8" 300ft Blue Corrugated Sleeve for 3/4" PEX	1		ea.	\$ 366.000

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 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.	\$ 0.486
24222	¾" SS Press Sleeve	50	500	ea.	\$ 0.739
24228	1" SS Press Sleeve	50	250	ea.	\$ 1.487
24235	1-¼" SS Press Sleeve	10	150	ea.	\$ 5.834
24241	1-½" SS Press Sleeve	10	100	ea.	\$ 6.957
24250	2" SS Press Sleeve	10	100	ea.	\$ 8.828



13203M

Closed End HPP Mini Multiport Tee 13000M Series

Closed one end and ¾" PEX insert on the other end. ½" 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, ¾" PEX × Closed End HPP Mini Multiport Tee	5	100	ea.	\$ 8.031
13203M	3 Port, ¾" PEX × Closed End HPP Mini Multiport Tee	5	80	ea.	\$ 10.912
13204M	4 Port, ¾" PEX × Closed End HPP Mini Multiport Tee	5	60	ea.	\$ 13.842



13203



13833

Closed End HPP Multiport Tee 13000 Series

Closed one end and ¾" or 1" PEX insert on the other end. ½" 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
WSL	13203	3 Port Single Row, ¾" PEX × Closed End HPP Multiport Tee	5	250	ea.	\$ 35.583
	13204	4 Port Single Row, ¾" PEX × Closed End HPP Multiport Tee	5	250	ea.	\$ 39.344
	13206	6 Port Single Row, ¾" PEX × Closed End HPP Multiport Tee	5	150	ea.	\$ 48.129
Call for Avail.	13208	8 Port Single Row, ¾" PEX × Closed End HPP Multiport Tee	5	125	ea.	\$ 74.872
WSL	13833	6 Port Opposing Rows, 1" PEX × Closed End HPP Multiport Tee	5	250	ea.	\$ 31.520
WSL	13844	8 Port Opposing Rows, 1" PEX × Closed End HPP Multiport Tee	5	250	ea.	\$ 36.251



14203M

Flow Through HPP Mini Multiport Tee 14000M Series

Open on both ends with ¾" PEX insert connections. ½" 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, ¾" PEX × ¾" PEX Flow Through HPP Mini Multiport Tee	5	100	ea.	\$ 8.645
14203M	3 Port, ¾" PEX × ¾" PEX Flow Through HPP Mini Multiport Tee	5	80	ea.	\$ 11.429
14204M	4 Port, ¾" PEX × ¾" PEX Flow Through HPP Mini Multiport Tee	5	60	ea.	\$ 14.274



14203



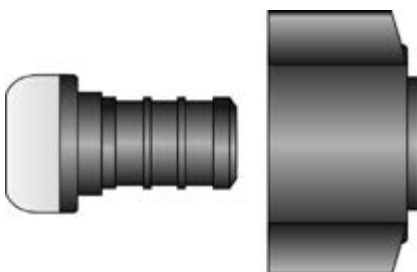
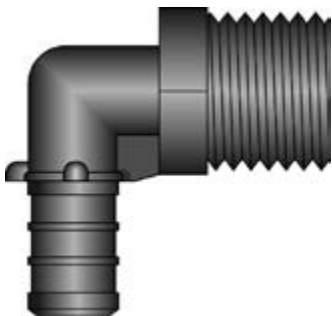
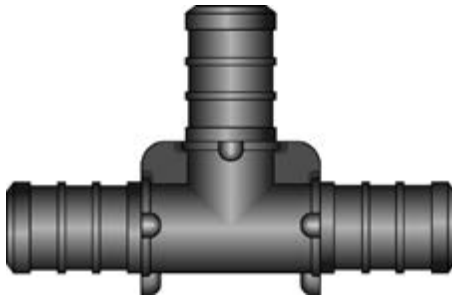
14233

Flow Through HPP Multiport Tee 14000 Series

Open on both ends with ¾" or 1" PEX insert connections. ½" 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
WSL	14203	3 Port Single Row, ¾" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	250	ea.	\$ 28.005
WSL	14204	4 Port Single Row, ¾" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	200	ea.	\$ 29.434
WSL	14703	3 Port Single Row, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	200	ea.	\$ 22.839
WSL	14704	4 Port Single Row, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	200	ea.	\$ 30.497
WSL	14706	6 Port Single Row, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	100	ea.	\$ 56.885
WSL	14708	8 Port Single Row, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	150	ea.	\$ 52.656
WSL	14233	6 Port Opposing Rows, ¾" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	200	ea.	\$ 31.520
WSL	14244	8 Port Opposing Rows, ¾" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	125	ea.	\$ 36.251
WSL	14733	6 Port Opposing Rows, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	150	ea.	\$ 31.520
WSL	14744	8 Port Opposing Rows, 1" PEX × ¾" PEX Flow Through HPP Multiport Tee	5	100	ea.	\$ 36.251



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.

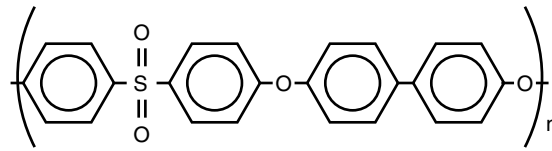
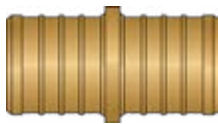


Figure #1 – General Chemical Structure of PPSU

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





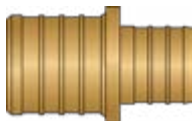
PEX Insert Couplings - **No Lead Brass** 29000NL Series

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.	\$ 2.443
29022NL	¾" × ¾" PEX No Lead Brass Coupling	25	250	ea.	\$ 3.434
29028NL	1" × 1" PEX No Lead Brass Coupling	10	250	ea.	\$ 5.296
29035NL	1-¼" × 1-¼" PEX No Lead Brass Coupling	5	180	ea.	\$ 11.095
29041NL	1-½" × 1-½" PEX No Lead Brass Coupling	5	90	ea.	\$ 39.140
29054NL	2" × 2" PEX No Lead Brass Coupling	5	25	ea.	\$ 58.698

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.	\$ 4.294
29282NL	1" × ¾" PEX No Lead Brass Coupling	10	250	ea.	\$ 5.813
29238NL	1-¼" × 1" PEX No Lead Brass Coupling	5	200	ea.	\$ 11.463
29243NL	1-½" × 1-¼" PEX No Lead Brass Coupling	5	100	ea.	\$ 21.389
29248NL	1-½" × 1" PEX No Lead Brass Coupling	5	100	ea.	\$ 36.269
29263NL	2" × 1-¼" PEX No Lead Brass Coupling	5	25	ea.	\$ 54.715
29264NL	2" × 1-½" PEX No Lead Brass Coupling	5	25	ea.	\$ 57.447

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.	\$ 1.069
19022	¾" × ¾" PEX HPP Coupling	25	500	ea.	\$ 1.658
19028	1" × 1" PEX HPP Coupling	10	200	ea.	\$ 3.202

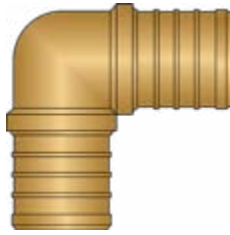


PEX Insert Reducing Couplings - **HPP** 19200 Series

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.	\$ 1.320
19282	1" × ¾" PEX HPP Coupling	5	300	ea.	\$ 3.089



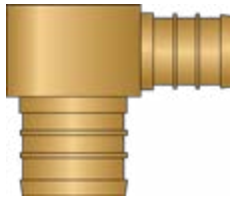
PEX Insert Elbows - **No Lead Brass** 28000NL Series

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.	\$ 3.333
28022NL	¾" × ¾" PEX No Lead Brass Elbow	25	250	ea.	\$ 5.076
28028NL	1" × 1" PEX No Lead Brass Elbow	10	100	ea.	\$ 11.761
28035NL	1-¼" × 1-¼" PEX No Lead Brass Elbow	5	120	ea.	\$ 21.908
28041NL	1-½" × 1-½" PEX No Lead Brass Elbow	5	50	ea.	\$ 52.955
28054NL	2" × 2" PEX No Lead Brass Elbow	5	25	ea.	\$ 98.594

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](#).

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Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
28225NL	¾" × ½" PEX No Lead Brass Elbow	10	250	ea.	\$ 4.199

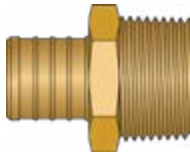


PEX Insert Elbows - **HPP** 18000 Series

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.	\$ 1.365
18022	¾" × ¾" PEX HPP Elbow	25	300	ea.	\$ 2.308
18225	¾" × ½" PEX HPP Elbow	10	400	ea.	\$ 2.153
18028	1" × 1" PEX HPP Elbow	10	150	ea.	\$ 5.391



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.	\$ 5.792
27552NL	½" PEX × ¾" MNPT No Lead Brass Adapter	10	250	ea.	\$ 8.126
27522NL	¾" PEX × ¾" MNPT No Lead Brass Adapter	25	250	ea.	\$ 8.405
27525NL	¾" PEX × 1" MNPT No Lead Brass Adapter	25	250	ea.	\$ 8.136
27528NL	1" PEX × 1" MNPT No Lead Brass Adapter	10	150	ea.	\$ 15.371
27582NL	1" PEX × ¾" MNPT No Lead Brass Adapter	5	200	ea.	\$ 10.735
27535NL	1-¼" PEX × 1-¼" MNPT No Lead Brass Adapter	5	100	ea.	\$ 36.903
27538NL	1-¼" PEX × 1" MNPT No Lead Brass Adapter	5	100	ea.	\$ 24.092
27541NL	1-½" PEX × 1-½" MNPT No Lead Brass Adapter	5	50	ea.	\$ 39.187
27554NL	2" PEX × 2" MNPT No Lead Brass Adapter	5	25	ea.	\$ 116.121

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.	\$ 2.227
17552	½" PEX × ¾" MNPT HPP Adapter	25	350	ea.	\$ 2.799
17522	¾" PEX × ¾" MNPT HPP Adapter	25	300	ea.	\$ 2.883



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

Solid no lead brass (C69300-EcoBrass) 1/2" PEX insert × 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 × 1/2" FNPT Drop Ear No Lead Brass Elbow	10	160	ea.	\$ 14.031



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

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

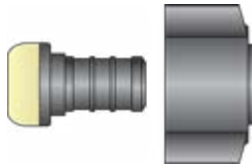
For complete specifications, see submittal [SUB27600NL](#).

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Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
27605NL	1/2" PEX × 1/2" FNPT No Lead Brass Adapter	25	400	ea.	\$ 7.001
27622NL	3/4" PEX × 3/4" FNPT No Lead Brass Adapter	25	300	ea.	\$ 10.113
27628NL	1" PEX × 1" FNPT No Lead Brass Adapter	25	150	ea.	\$ 13.582
27632NL	1-1/4" PEX × 3/4" FNPT No Lead Brass Adapter	5	200	ea.	\$ 20.338
27635NL	1-1/4" PEX × 1-1/4" FNPT No Lead Brass Adapter	5	80	ea.	\$ 43.350
27638NL	1-1/4" PEX × 1" FNPT No Lead Brass Adapter	5	100	ea.	\$ 25.731

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



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.	\$ 2.783



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](#).

WSL

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
18605	1/2" PEX x 1/2" FNPT HPP Swivel Elbow	25	300	ea.	\$ 2.766



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.	\$ 4.237



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

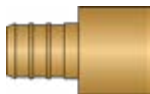
Solid no lead brass (C69300-EcoBrass) PEX insert × male sweat adapters. SS press sleeves sold separately.

Not intended for use with copper press fittings.

For complete specifications, see submittal [SUB27000NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
27105NL	½" PEX × ½" M/Sweat No Lead Brass Adapter	25	700	ea.	\$ 2.787
27122NL	¾" PEX × ¾" M/Sweat No Lead Brass Adapter	25	400	ea.	\$ 5.313
27128NL	1" PEX × 1" M/Sweat No Lead Brass Adapter	10	200	ea.	\$ 9.213
27135NL	1-¼" PEX × 1-¼" M/Sweat No Lead Brass Adapter	5	120	ea.	\$ 17.562
27141NL	1-½" PEX × 1-½" M/Sweat No Lead Brass Adapter	5	80	ea.	\$ 60.386
27154NL	2" PEX × 2" M/Sweat No Lead Brass Adapter	5	25	ea.	\$ 75.108

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



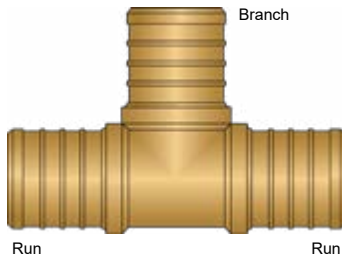
PEX Insert × Female Sweat Adapters - **No Lead Brass** 27200NL & 27300NL Series

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

For complete specifications, see submittal [SUB27000NL](#).

WSL

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
27205NL	½" PEX × ½" F/Sweat No Lead Brass Adapter	25	700	ea.	\$ 3.164
27222NL	¾" PEX × ¾" F/Sweat No Lead Brass Adapter	25	400	ea.	\$ 5.792
27328NL	¾" PEX × 1" F/Sweat No Lead Adapter	10	100	ea.	\$ 5.899
27228NL	1" PEX × 1" F/Sweat No Lead Brass Adapter	10	200	ea.	\$ 12.995
27235NL	1-¼" PEX × 1-¼" F/Sweat No Lead Brass Adapter	5	120	ea.	\$ 21.117



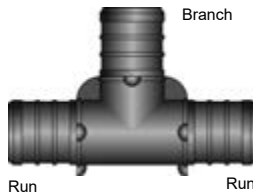
PEX Insert Tees - **No Lead Brass** 26000NL Series

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.	\$ 4.211
26222NL	¾" × ¾" × ¾" PEX No Lead Brass Tee	25	250	ea.	\$ 6.667
26888NL	1" × 1" × 1" PEX No Lead Brass Tee	10	100	ea.	\$ 14.243
26333NL	1-¼" × 1-¼" × 1-¼" PEX No Lead Brass Tee	5	80	ea.	\$ 34.217
26444NL	1-½" × 1-½" × 1-½" PEX No Lead Brass Tee	5	30	ea.	\$ 72.263
26666NL	2" × 2" × 2" PEX No Lead Brass Tee	5	25	ea.	\$ 138.133

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

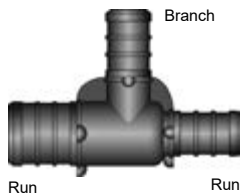


PEX Insert Tees - **HPP** 16000 Series

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.	\$ 1.927
16222	¾" × ¾" × ¾" PEX HPP Tee	25	200	ea.	\$ 2.963
16888	1" × 1" × 1" PEX HPP Tee	10	100	ea.	\$ 7.653

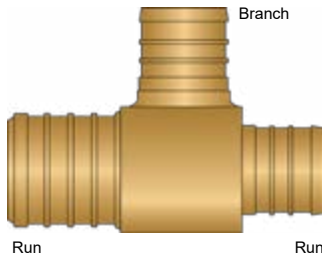


PEX Insert Reducing Tees - **HPP** 16000 Series

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.	\$ 2.425
16225	¾" × ¾" × ½" PEX HPP Tee	25	250	ea.	\$ 2.738
16228	¾" × ¾" × 1" PEX HPP Tee	5	300	ea.	\$ 6.316
16255	¾" × ½" × ½" PEX HPP Tee	25	300	ea.	\$ 2.284
16252	¾" × ½" × ¾" PEX HPP Tee	25	250	ea.	\$ 2.895
16885	1" × 1" × ½" PEX HPP Tee	10	360	ea.	\$ 5.813
16882	1" × 1" × ¾" PEX HPP Tee	5	100	ea.	\$ 5.949
16822	1" × ¾" × ¾" PEX HPP Tee	5	320	ea.	\$ 6.538
16828	1" × ¾" × 1" PEX HPP Tee	5	300	ea.	\$ 6.161



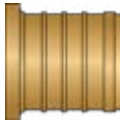
PEX Insert Reducing Tees - **No Lead Brass** 26000NL Series

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
WSL	26552NL	1/2" × 1/2" × 3/4" PEX No Lead Brass Tee	10	250	ea.	\$ 4.298
	26225NL	3/4" × 3/4" × 1/2" PEX No Lead Brass Tee	25	250	ea.	\$ 6.512
	26252NL	3/4" × 1/2" × 3/4" PEX No Lead Brass Tee	25	250	ea.	\$ 6.638
	26255NL	3/4" × 1/2" × 1/2" PEX No Lead Brass Tee	25	250	ea.	\$ 6.499
	26822NL	1" × 3/4" × 3/4" PEX No Lead Brass Tee	5	100	ea.	\$ 14.689
	26885NL	1" × 1" × 1/2" PEX No Lead Brass Tee	10	100	ea.	\$ 13.863
	26882NL	1" × 1" × 3/4" PEX No Lead Brass Tee	5	100	ea.	\$ 15.680
	26382NL	1-1/4" × 1" × 3/4" PEX No Lead Brass Tee	5	100	ea.	\$ 33.639
	26388NL	1-1/4" × 1" × 1" PEX No Lead Brass Tee	5	100	ea.	\$ 37.163
	26335NL	1-1/4" × 1-1/4" × 1/2" PEX No Lead Brass Tee	5	100	ea.	\$ 29.514
	26332NL	1-1/4" × 1-1/4" × 3/4" PEX No Lead Brass Tee	5	80	ea.	\$ 32.996
	26338NL	1-1/4" × 1-1/4" × 1" PEX No Lead Brass Tee	5	80	ea.	\$ 39.799
WSL	26422NL	1-1/2" × 3/4" × 3/4" PEX No Lead Brass Tee	5	60	ea.	\$ 36.221
	26432NL	1-1/2" × 1-1/4" × 3/4" PEX No Lead Brass Tee	5	50	ea.	\$ 57.150
	26442NL	1-1/2" × 1-1/2" × 3/4" PEX No Lead Brass Tee	5	50	ea.	\$ 45.708
	26488NL	1-1/2" × 1" × 1" PEX No Lead Brass Tee	5	50	ea.	\$ 61.396
WSL	26433NL	1-1/2" × 1-1/4" × 1-1/4" PEX No Lead Brass Tee	5	40	ea.	\$ 46.139
	26448NL	1-1/2" × 1-1/2" × 1" PEX No Lead Brass Tee	5	40	ea.	\$ 66.199
WSL	26443NL	1-1/2" × 1-1/2" × 1-1/4" PEX No Lead Brass Tee	5	40	ea.	\$ 51.823
	26633NL	2" × 1-1/4" × 1-1/4" PEX No Lead Brass Tee	5	25	ea.	\$ 153.856
	26642NL	2" × 1-1/2" × 3/4" PEX No Lead Brass Tee	5	25	ea.	\$ 113.975
	26648NL	2" × 1-1/2" × 1" PEX No Lead Brass Tee	5	25	ea.	\$ 117.593
	26643NL	2" × 1-1/2" × 1-1/4" PEX No Lead Brass Tee	5	25	ea.	\$ 121.951
	26644NL	2" × 1-1/2" × 1-1/2" PEX No Lead Brass Tee	5	25	ea.	\$ 134.555
	26662NL	2" × 2" × 3/4" PEX No Lead Brass Tee	5	25	ea.	\$ 115.512
	26668NL	2" × 2" × 1" PEX No Lead Brass Tee	5	25	ea.	\$ 112.759
	26663NL	2" × 2" × 1-1/4" PEX No Lead Brass Tee	5	25	ea.	\$ 117.028
	26664NL	2" × 2" × 1-1/2" PEX No Lead Brass Tee	5	25	ea.	\$ 132.149

Note: 1-1/2" 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.	\$ 1.982
25022NL	¾" PEX No Lead Brass Plug	25	1000	ea.	\$ 2.842
25028NL	1" PEX No Lead Brass Plug	5	510	ea.	\$ 4.162
25035NL	1-¼" PEX No Lead Brass Plug	5	260	ea.	\$ 10.913
25041NL	1-½" PEX No Lead Brass Plug	5	110	ea.	\$ 51.319
25054NL	2" PEX No Lead Brass Plug	5	25	ea.	\$ 53.764

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.	\$ 0.768
15022	¾" PEX HPP Plug	25	1000	ea.	\$ 1.255
15028	1" PEX HPP Plug	5	500	ea.	\$ 2.083

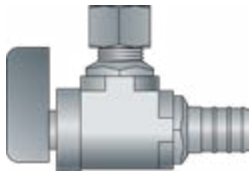


Plated Straight Ball Valve - **No Lead Brass** Stk #23505NL

No lead brass (C69300-EcoBrass) 1/2" PEX × 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
23505NL	1/2" PEX × 3/8" O.D. No Lead Brass Plated Straight Ball Valve	24	144	ea.	\$ 26.631

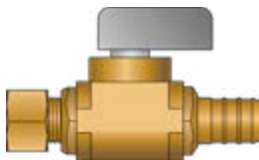


Plated Angle Ball Valve - **No Lead Brass** Stk# 23605NL

No lead brass (C69300-EcoBrass) 1/2" PEX × 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
23605NL	1/2" PEX × 3/8" O.D. No Lead Brass Plated Angle Ball Valve	24	144	ea.	\$ 26.887

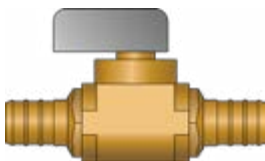


Straight Ball Valve - **No Lead Brass** Stk# 23905NL

No lead brass (C69300-EcoBrass) 1/2" PEX × 1/4" O.D. compression, straight ball valve. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23905NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
23905NL	1/2" PEX × 1/4" O.D. No Lead Straight Ball Valve	24	144	ea.	\$ 29.164



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
23705NL	1/2" PEX Straight No Lead Brass Ball Valve	24	144	ea.	\$ 28.370
23722NL	3/4" PEX Straight No Lead Brass Ball Valve	24	144	ea.	\$ 35.728

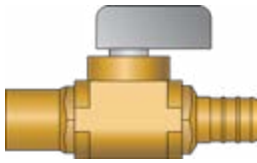


Stop and Waste Valves - **No Lead Brass** 23770NL Series

No lead brass (C69300-EcoBrass) stop and waste valves. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23770NL](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	23775NL	1/2" PEX No Lead Stop and Waste Valve	24	144	ea.	\$ 28.032
WSL	23772NL	3/4" PEX No Lead Stop and Waste Valve	12	72	ea.	\$ 38.470



1/2" PEX × 1/2" M/Sweat Straight Ball Valve - **No Lead Brass** Stk# 23405NL

No lead brass (C69300-EcoBrass) 1/2" PEX × 1/2" male sweat ball valve. SS press sleeves sold separately.

For complete specifications, see submittal [SUB23405NL](#).

WSL

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
23405NL	1/2" PEX × 1/2" No Lead M/Sweat Straight Ball Valve	24	144	ea.	\$ 11.150



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.	\$ 8.549
23322NL	3/4" PEX F1807 No Lead Brass Ball Valve, Full Port	10	80	ea.	\$ 12.010
23328NL	1" PEX F1807 No Lead Brass Ball Valve, Full Port	6	48	ea.	\$ 19.115
23335NL	1-1/4" PEX F1807 No Lead Brass Ball Valve, Full Port	4	24	ea.	\$ 34.265
23341NL	1-1/2" PEX F1807 No Lead Brass Ball Valve, Full Port	2	16	ea.	\$ 48.802
23354NL	2" PEX F1807 No Lead Brass Ball Valve, Full Port	2	12	ea.	\$ 70.473



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](#).

Fall
2023

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
23305NL-D	1/2" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	10	100	ea.	\$ 9.580
23322NL-D	3/4" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	10	100	ea.	\$ 13.460
23328NL-D	1" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	10	80	ea.	\$ 21.410

Fall
2023

Fall
2023

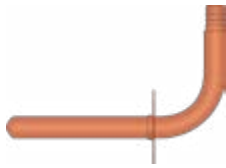


PEX Insert × MNPT Ball Valves - **No Lead Brass** 23800NL Series

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	3/4" PEX F1807 × 3/4" MNPT No Lead Brass Ball Valve	10	80	ea.	\$ 13.850



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.	\$ 14.230



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.	\$ 8.901



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

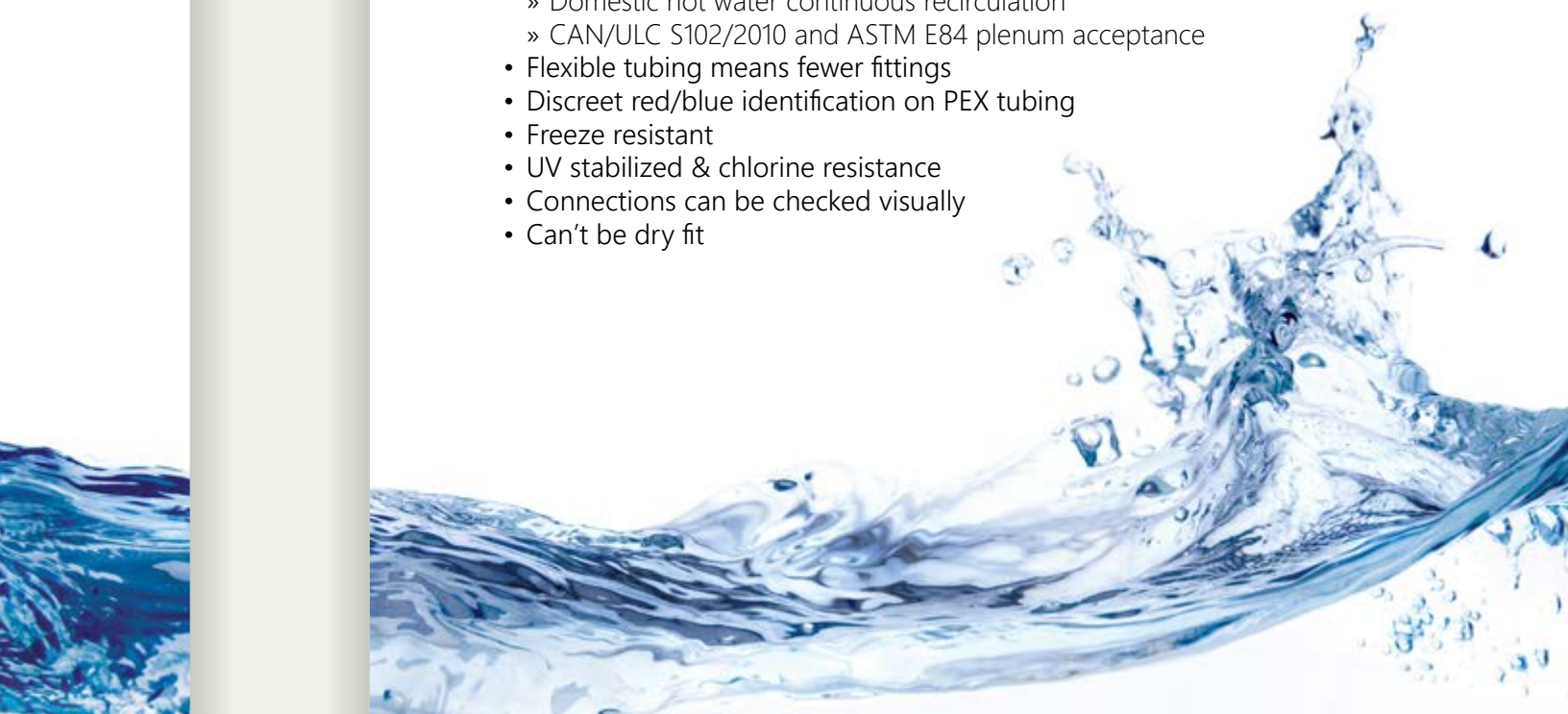
Uses the strong shape memory of PEX-a to form a tight seal. The PEX-a tubing and expansion ring are expanded with a specialized tool, and allowed to contract in order to form the connection. As the PEX-a contracts the connection will strengthen.

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](#).

New!

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX24205	½" PEX F1960 Expansion Ring	100	1000	ea.	\$ 0.648
EX24219	⅝" PEX F1960 Expansion Ring	50	750	ea.	\$ 0.960
EX24222	¾" PEX F1960 Expansion Ring	50	500	ea.	\$ 0.917
EX24228	1" PEX F1960 Expansion Ring	50	250	ea.	\$ 2.807
EX24235	1-¼" PEX F1960 Expansion Ring	10	150	ea.	\$ 3.258
EX24241	1-½" PEX F1960 Expansion Ring	10	100	ea.	\$ 4.282
EX24250	2" PEX F1960 Expansion Ring	5	50	ea.	\$ 7.048



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.	\$ 1.856
EX15022	¾" PEX F1960 HPP Plug	25	500	ea.	\$ 3.215
EX15028	1" PEX F1960 HPP Plug	5	600	ea.	\$ 6.160
EX15035	1-¼" PEX F1960 HPP Plug	1	50	ea.	\$ 23.692
EX15041	1-½" PEX F1960 HPP Plug	1	50	ea.	\$ 33.078
EX15054	2" PEX F1960 HPP Plug	1	50	ea.	\$ 46.879



EX13203

PEX F1960 Closed End HPP Multiport Tees EX13000 Series

Closed one end and ¾" or 1" PEX F1960 on the other end. ½" 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, ¾" PEX F1960 × Closed End HPP Multiport Tee	5	80	ea.	\$ 19.516
EX13204	4 Port, ¾" PEX F1960 × Closed End HPP Multiport Tee	5	60	ea.	\$ 27.779
EX13206	6 Port, ¾" PEX F1960 × Closed End HPP Multiport Tee	5	40	ea.	\$ 34.251
EX13806	6 Port, 1" PEX F1960 × Closed End HPP Multiport Tee	5	40	ea.	\$ 60.944



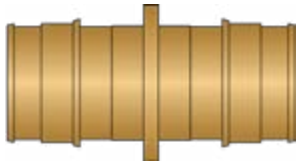
EX14203

PEX F1960 Flow Through HPP Multiport Tees EX14000 Series

Open on both ends with ¾" or 1" PEX F1960 connections. ½" 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, ¾" × ¾" PEX F1960 Flow Through HPP Multiport Tee	5	100	ea.	\$ 16.750
EX14203	3 Port, ¾" × ¾" PEX F1960 Flow Through HPP Multiport Tee	5	80	ea.	\$ 22.220
EX14204	4 Port, ¾" × ¾" PEX F1960 Flow Through HPP Multiport Tee	5	60	ea.	\$ 28.342
EX14706	6 Port, 1" × ¾" PEX F1960 Flow Through HPP Multiport Tee	5	40	ea.	\$ 68.323

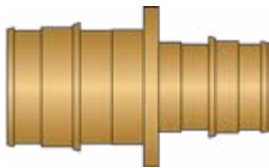


PEX F1960 Couplings - **No Lead Brass** EX29000NL Series

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.	\$ 5.208
WSL	EX29022NL	¾" × ¾" PEX F1960 No Lead Brass Coupling	25	250	ea.	\$ 10.799
WSL	EX29028NL	1" × 1" PEX F1960 No Lead Brass Coupling	10	250	ea.	\$ 15.015



PEX F1960 Reducing Couplings - **No Lead Brass** EX29200NL Series

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

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

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	EX29225NL	¾" × ½" PEX F1960 No Lead Brass Coupling	25	500	ea.	\$ 11.779
WSL	EX29282NL	1" × ¾" PEX F1960 No Lead Brass Coupling	10	250	ea.	\$ 15.425



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.	\$ 2.627
	EX19022	¾" × ¾" PEX F1960 HPP Coupling	25	300	ea.	\$ 3.853
	EX19028	1" × 1" PEX F1960 HPP Coupling	10	100	ea.	\$ 6.974
	EX19035	1-¼" × 1-¼" PEX F1960 HPP Coupling	1	50	ea.	\$ 13.557
	EX19041	1-½" × 1-½" PEX F1960 HPP Coupling	1	50	ea.	\$ 16.179
	EX19054	2" × 2" PEX F1960 HPP Coupling	1	50	ea.	\$ 58.747

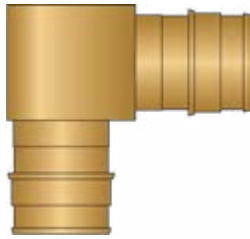


PEX F1960 Reducing Couplings - **HPP** EX19200 Series

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.	\$ 3.212
	EX19282	1" × ¾" PEX F1960 HPP Coupling	5	150	ea.	\$ 13.908
	EX19238	1-¼" × 1" PEX F1960 HPP Coupling	1	50	ea.	\$ 11.982
	EX19243	1-½" × 1-¼" PEX F1960 HPP Coupling	1	50	ea.	\$ 15.002
	EX19248	1-½" × 1" PEX F1960 HPP Coupling	1	50	ea.	\$ 14.954
	EX19264	2" × 1-½" PEX F1960 HPP Coupling	1	50	ea.	\$ 49.732



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.	\$ 12.672
WSL	EX28022NL	¾" × ¾" PEX F1960 No Lead Brass Elbow	25	250	ea.	\$ 18.653
WSL	EX28028NL	1" × 1" PEX F1960 No Lead Brass Elbow	10	100	ea.	\$ 27.660

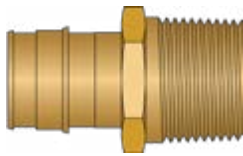


PEX F1960 Elbows - **HPP** EX18000 Series

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.	\$ 3.421
	EX18022	¾" × ¾" PEX F1960 HPP Elbow	25	300	ea.	\$ 5.881
	EX18028	1" × 1" PEX F1960 HPP Elbow	10	100	ea.	\$ 11.643
	EX18035	1-¼" × 1-¼" PEX F1960 HPP Elbow	1	50	ea.	\$ 24.492
	EX18041	1-½" × 1-½" PEX F1960 HPP Elbow	1	50	ea.	\$ 32.620
	EX18054	2" × 2" PEX F1960 HPP Elbow	1	50	ea.	\$ 86.908



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.	\$ 8.665
EX27522NL	¾" PEX F1960 × ¾" MNPT No Lead Brass Adapter	25	250	ea.	\$ 16.607
EX27528NL	1" PEX F1960 × 1" MNPT No Lead Brass Adapter	10	150	ea.	\$ 35.658
EX27535NL	1-¼" PEX F1960 × 1-¼" MNPT No Lead Brass Adapter	5	70	ea.	\$ 97.679
EX27541NL	1-½" PEX F1960 × 1-½" MNPT No Lead Brass Adapter	5	25	ea.	\$ 110.490
EX27554NL	2" PEX F1960 × 2" MNPT No Lead Brass Adapter	5	10	ea.	\$ 322.964

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.	\$ 1.952
EX17552	½" PEX F1960 × ¾" MNPT HPP Adapter	25	350	ea.	\$ 2.515
EX17522	¾" PEX F1960 × ¾" MNPT HPP Adapter	25	300	ea.	\$ 3.101

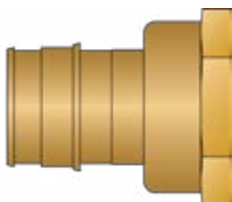


PEX F1960 Drop Ear Elbows - **No Lead Brass** EX28300NL Series

Solid no lead brass (C69300-EcoBrass) ½" PEX F1960 × ½" 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	½" PEX F1960 × ½" FNPT Drop Ear No Lead Brass Elbow	10	160	ea.	\$ 21.591



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	½" PEX F1960 × ½" FNPT No Lead Brass Adapter	25	400	ea.	\$ 18.797
EX27622NL	¾" PEX F1960 × ¾" FNPT No Lead Brass Adapter	25	300	ea.	\$ 20.844
EX27628NL	1" PEX F1960 × 1" FNPT No Lead Brass Adapter	25	150	ea.	\$ 41.934
EX27635NL	1-¼" PEX F1960 × 1-¼" FNPT No Lead Brass Adapter	5	70	ea.	\$ 105.587
EX27641NL	1-½" PEX F1960 × 1-½" FNPT No Lead Brass Adapter	5	35	ea.	\$ 174.771

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



PEX F1960 × Swivel Adapters - **HPP** 17700 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	½" PEX F1960 × ½" Swivel HPP Adapter	25	400	ea.	\$ 6.113



PEX F1960 × Male Sweat Adapters - **No Lead Brass** 27100NL 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 [SUBEX27000NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX27105NL	½" PEX F1960 × ½" M/Sweat No Lead Brass Adapter	25	700	ea.	\$ 6.316
EX27122NL	¾" PEX F1960 × ¾" M/Sweat No Lead Brass Adapter	25	400	ea.	\$ 13.506
EX27128NL	1" PEX F1960 × 1" M/Sweat No Lead Brass Adapter	10	200	ea.	\$ 24.292
EX27135NL	1-¼" PEX F1960 × 1-¼" M/Sweat No Lead Brass Adapter	5	40	ea.	\$ 63.875
EX27141NL	1-½" PEX F1960 × 1-½" M/Sweat No Lead Brass Adapter	5	30	ea.	\$ 101.628
EX27154NL	2" PEX F1960 × 2" M/Sweat No Lead Brass Adapter	5	20	ea.	\$ 288.360

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



PEX F1960 × Female Sweat Adapters - **No Lead Brass** 27200NL Series

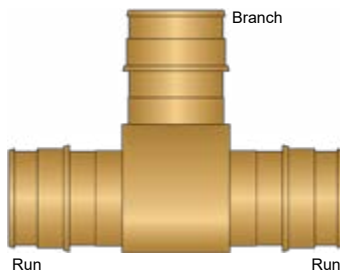
Solid no lead brass (C69300-EcoBrass) PEX F1960 × female sweat adapters. PEX-a expansion rings sold separately.

Not intended for use with copper press fittings.

For complete specifications, see submittal [SUBEX27000NL](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
EX27205NL	½" PEX F1960 × ½" F/Sweat No Lead Brass Adapter	25	700	ea.	\$ 6.311
EX27222NL	¾" PEX F1960 × ¾" F/Sweat No Lead Brass Adapter	25	400	ea.	\$ 14.062
EX27228NL	1" PEX F1960 × 1" F/Sweat No Lead Brass Adapter	10	200	ea.	\$ 23.756
EX27235NL	1-¼" PEX F1960 × 1-¼" F/Sweat No Lead Brass Adapter	5	70	ea.	\$ 71.530
EX27241NL	1-½" PEX F1960 × 1-½" F/Sweat No Lead Brass Adapter	5		ea.	\$ 102.280
EX27254NL	2" PEX F1960 × 2" F/Sweat No Lead Brass Adapter	5		ea.	\$ 295.590

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

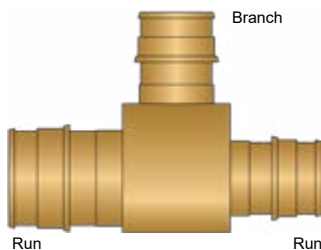


PEX F1960 Tees - **No Lead Brass** EX26000NL Series

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.	\$ 15.902
WSL	EX26222NL	¾" × ¾" × ¾" PEX F1960 No Lead Brass Tee	25	250	ea.	\$ 25.359
WSL	EX26888NL	1" × 1" × 1" PEX F1960 No Lead Brass Tee	10	100	ea.	\$ 40.198

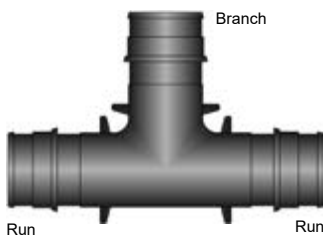


PEX F1960 Reducing Tees - **No Lead Brass** EX26000NL Series

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.	\$ 25.287
WSL	EX26252NL	¾" × ½" × ¾" PEX F1960 No Lead Brass Tee	25	250	ea.	\$ 27.189
WSL	EX26255NL	¾" × ½" × ½" PEX F1960 No Lead Brass Tee	25	250	ea.	\$ 27.532
WSL	EX26822NL	1" × ¾" × ¾" PEX F1960 No Lead Brass Tee	5	100	ea.	\$ 40.052
WSL	EX26882NL	1" × 1" × ¾" PEX F1960 No Lead Brass Tee	5	100	ea.	\$ 36.509
WSL	EX26885NL	1" × 1" × ½" PEX F1960 No Lead Brass Tee	10	100	ea.	\$ 36.089

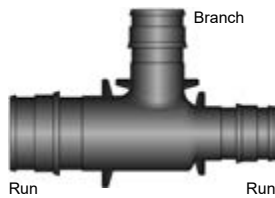


PEX F1960 Tees - **HPP** EX16000 Series

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.	\$ 4.312
	EX16222	¾" × ¾" × ¾" PEX F1960 HPP Tee	25	100	ea.	\$ 8.098
	EX16888	1" × 1" × 1" PEX F1960 HPP Tee	10	60	ea.	\$ 15.137
	EX16333	1-¼" × 1-¼" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 27.275
	EX16444	1-½" × 1-½" × 1-½" PEX F1960 HPP Tee	1	50	ea.	\$ 40.195
	EX16666	2" × 2" × 2" PEX F1960 HPP Tee	1	50	ea.	\$ 101.261



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.	\$ 5.499
EX16225	¾" × ¾" × ½" PEX F1960 HPP Tee	25	175	ea.	\$ 6.233
EX16252	¾" × ½" × ¾" PEX F1960 HPP Tee	25	150	ea.	\$ 7.373
EX16552	½" × ½" × ¾" PEX F1960 HPP Tee	25	200	ea.	\$ 5.516
EX16822	1" × ¾" × ¾" PEX F1960 HPP Tee	5	75	ea.	\$ 14.848
EX16828	1" × ¾" × 1" PEX F1960 HPP Tee	5	60	ea.	\$ 16.421
EX16882	1" × 1" × ¾" PEX F1960 HPP Tee	5	75	ea.	\$ 14.749
EX16885	1" × 1" × ½" PEX F1960 HPP Tee	10	90	ea.	\$ 15.927
EX16332	1-¼" × 1-¼" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 25.160
EX16335	1-¼" × 1-¼" × ½" PEX F1960 HPP Tee	1	50	ea.	\$ 21.415
EX16338	1-¼" × 1-¼" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 26.547
EX16382	1-¼" × 1" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 21.415
EX16388	1-¼" × 1" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 24.985
EX16432	1-½" × 1-¼" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 34.406
EX16433	1-½" × 1-¼" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 37.788
EX16438	1-½" × 1-¼" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 35.333
EX16442	1-½" × 1-½" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 37.154
EX16443	1-½" × 1-½" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 36.096
EX16448	1-½" × 1-½" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 34.194
EX16488	1-½" × 1" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 32.244
EX16642	2" × 1-½" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 96.696
EX16643	2" × 1-½" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 99.205
EX16644	2" × 1-½" × 1-½" PEX F1960 HPP Tee	1	50	ea.	\$ 105.810
EX16648	2" × 1-½" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 80.965
EX16662	2" × 2" × ¾" PEX F1960 HPP Tee	1	50	ea.	\$ 118.785
EX16663	2" × 2" × 1-¼" PEX F1960 HPP Tee	1	50	ea.	\$ 93.908
EX16664	2" × 2" × 1-½" PEX F1960 HPP Tee	1	50	ea.	\$ 86.374
EX16668	2" × 2" × 1" PEX F1960 HPP Tee	1	50	ea.	\$ 87.695



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	½" PEX F1960 No Lead Brass Ball Valve, Full Port	10	120	ea.	\$ 14.099
EX23322NL	¾" PEX F1960 No Lead Brass Ball Valve, Full Port	10	80	ea.	\$ 17.870
EX23328NL	1" PEX F1960 No Lead Brass Ball Valve, Full Port	6	48	ea.	\$ 28.120
EX23335NL	1-¼" PEX F1960 No Lead Brass Ball Valve, Full Port	4	24	ea.	\$ 55.536
EX23341NL	1-½" PEX F1960 No Lead Brass Ball Valve, Full Port	2	16	ea.	\$ 66.700
EX23354NL	2" PEX F1960 No Lead Brass Ball Valve, Full Port	2	12	ea.	\$ 140.399



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
Fall 2023	EX23305NL-D	½" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	10	100	ea.	\$ 15.510
Fall 2023	EX23322NL-D	¾" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	10	100	ea.	\$ 19.840
Fall 2023	EX23328NL-D	1" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	5	50	ea.	\$ 31.220

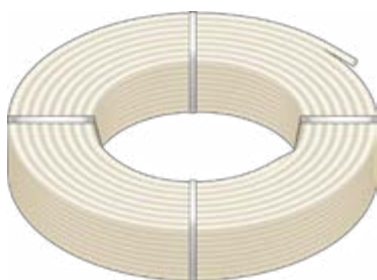


PEX F1960 × MNPT Ball Valves - **No Lead Brass** EX23800NL Series

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.	\$ 16.300



PEX-a Tubing Coils with O₂ Barrier 94000 Series

High molecular cross-linked polyethylene (PEX-a) with minimum bending radii of 6× the diameter at 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	\$ 193.75
94305	½" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	48	coil	\$ 232.50
94505	½" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	32	coil	\$ 387.50
94105	½" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	16	coil	\$ 775.00
94019400	⅝" 400ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	16	coil	\$ 534.00
94519	⅝" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	16	coil	\$ 667.50
94119	⅝" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	12	coil	\$ 1,335.00
94322	¾" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	16	coil	\$ 534.90
94522	¾" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	12	coil	\$ 891.50
94122	¾" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	7	coil	\$ 1,783.00
94128	1" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	28	coil	\$ 348.40
94528	1" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	7	coil	\$ 1,742.00
94135	1-¼" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	12	coil	\$ 591.80
94335	1-¼" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	7	coil	\$ 1,775.40
94141	1-½" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	10	coil	\$ 887.80
94341	1-½" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	7	coil	\$ 2,663.40



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 radii of 6× the diameter at 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	\$ 356.60
94228	1" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	20	bundle	\$ 348.40
94235	1-¼" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	15	bundle	\$ 591.80
94241	1-½" 5×20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	1	10	bundle	\$ 887.80

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

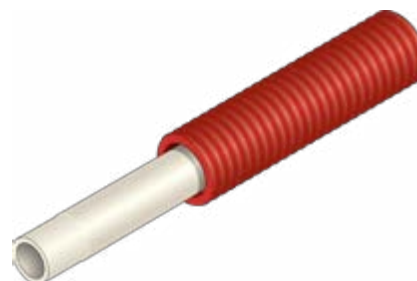
PEX-a carrier tubing specified on previous pages. The flexible, impact resistant red PP sheath designed as a raceway for electrical installations provides mechanical and UV protection to the PEX-a carrier tubing. The sheath allows for easy replacement of the PEX-a carrier tubing if needed.

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

Minimum bending radius @ 68°F (20°C) for: ½" = 3" (77 mm)

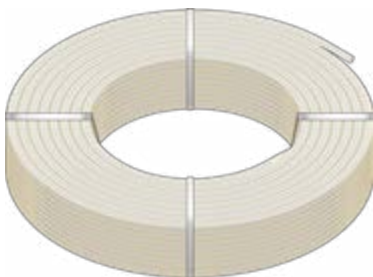
PP sheath is rated to UL94HB "Tests for Flammability of Plastic Materials."

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	\$ 458.40
Special Order*	94322rs	¾" 300' O ₂ Barrier HeatLink® Pipe-in-Pipe Red Sheath	1	9	coil	\$ 879.00

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



Non Barrier PEX-a Tubing Coils 20000 Series

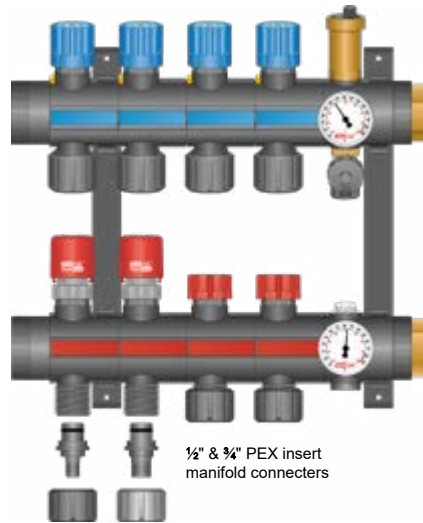
High molecular cross-linked polyethylene (PEX-a) with minimum bending radii of 6× the diameter at 68°F (20°C). Maximum operating temperature: 180°F @ 100 PSI (82°C @ 690 kPa). Covered by a twenty-five year manufacturer's limited warranty.

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	\$ 259.50
20505	½" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	32	coil	\$ 432.50
20905	½" 1000ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 865.00
20322	¾" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	20	coil	\$ 480.30
20522	¾" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	12	coil	\$ 800.50
20128	1" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	28	coil	\$ 267.30
20328	1" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing	1	11	coil	\$ 801.90

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	2× 79991	71743	72442
	10	10× 78400	2× 79991	71743	72442
	11	11× 78400	2× 79991	71743	72442
	12	12× 78400	3× 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.	\$ 524.37

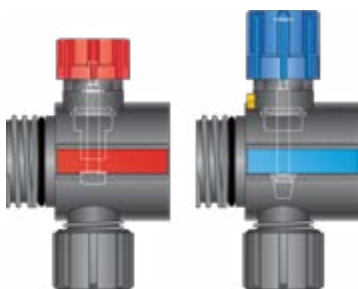


Mounting Bracket (55 mm) Stk# 79991

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.	\$ 25.60



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](#).

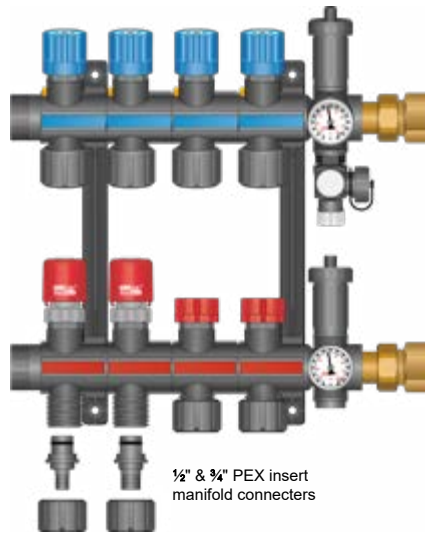
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
78400	TwistSeal® Deluxe (55mm) Z.V. Supply & Balancing Return Module Pair	1	10	pair	\$ 201.82

Features & Benefits :

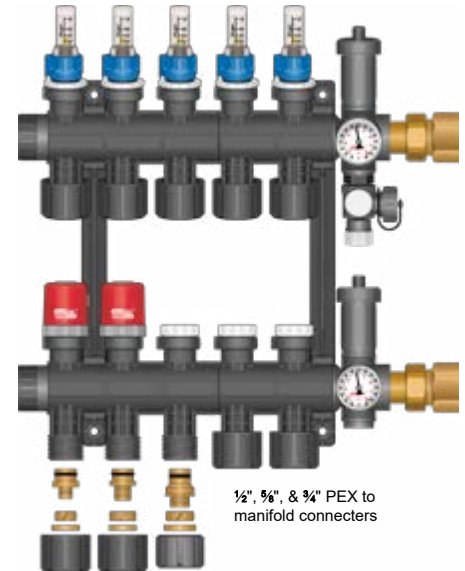
- Modular “tool-less” assembly.
- Multiple configurations ,all interchangeable; can be reconfigured on-site.
- Unlike a fixed loop manifold, loops can be added or removed as required.
- Stock is flexible, as there is no need to stock fixed-length manifolds. Minimal SKUs on the shelf.
- Maximum trunk 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)



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

78200 Module Specific Features:

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

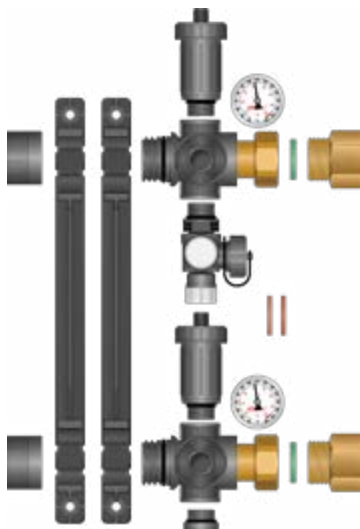
7830x Module Specific Features:

- 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	Multipoint 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 x 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.	\$ 244.42



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.	\$ 20.94



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	\$ 149.04



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	\$ 231.35
78303	TwistSeal® Mini (40mm) 3-port Z.V. Supply & Flow Meter Return Module Pair	1	4	pair	\$ 346.97



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	\$ 22.46
77019	5/8" PEX to TwistSeal® Manifold Connector	1	10	pair	\$ 30.02
77022	3/4" PEX to TwistSeal® Manifold Connector c/w Nut	1		pair	\$ 48.69



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.	\$ 5.30
23032	3/4" PEX Insert Manifold Connector c/w Nut	5		ea.	\$ 8.56



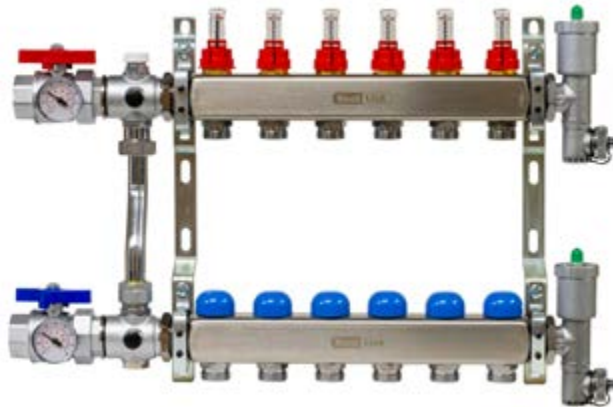
1-1/4" Stainless Steel Manifolds

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



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)

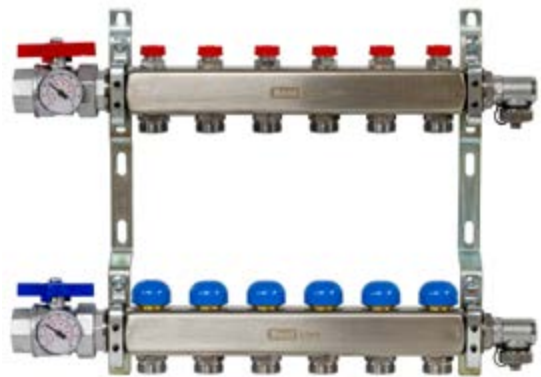
Typical Applications:

- Residential.
- Small commercial.

# 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

75200 Series

75206 - 6 loop model shown



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)

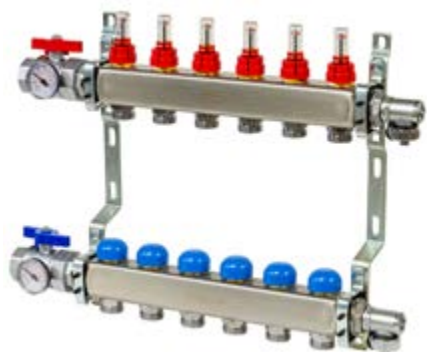
Typical Applications:

- Commercial.
- Snow melting.

PEX Size	PEX Connectors / Loop			Conduit Elbows / Loop for "Wet" Installation
	Compression	F1807 Insert	F1960 Expansion	
1/2"	77105	77305	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.

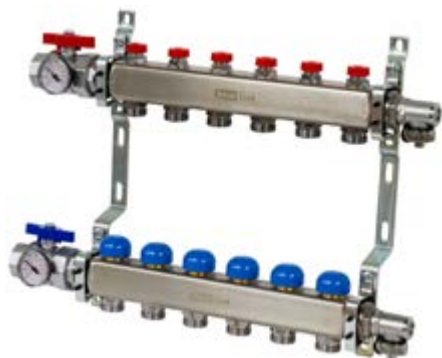
The return manifold comes with a 1" FNPT isolation valve, thermometer, hose bib/air vent, and shut-off valves that accept optional actuators.

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
New!	75102	2 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 548.49
New!	75103	3 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 639.71
New!	75104	4 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 785.93
New!	75105	5 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 877.27
New!	75106	6 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 987.03
New!	75107	7 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,078.37
New!	75108	8 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,224.65
New!	75109	9 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,325.06
New!	75110	10 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,425.81
New!	75111	11 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,626.64
New!	75112	12 Loop 1-1/4" SS Manifold with Flow Meters	1		ea.	\$ 1,827.90



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
New!	75202	2 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 527.83
New!	75203	3 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 605.76
New!	75204	4 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 739.61
New!	75205	5 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 817.67
New!	75206	6 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 914.37
New!	75207	7 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 992.55
New!	75208	8 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,126.31
New!	75209	9 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,213.66
New!	75210	10 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,301.20
New!	75211	11 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,490.53
New!	75212	12 Loop 1-1/4" High Flow SS Manifold	1		ea.	\$ 1,680.00



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	\$ 20.97



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	\$ 30.35
77119	5/8" PEX to 1-1/4" SS Manifold Connector	1	10	pair	\$ 36.38
77122	3/4" PEX to 1-1/4" SS Manifold Connector	1	10	pair	\$ 70.94



PEX Insert Connecters for 1-1/4" Stainless Steel Manifolds 77300 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 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 [SUB77300](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
77305	1/2" PEX Insert to 1-1/4" SS Manifold Connector	1		pair	\$ 29.73



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 30](#)). *Not for potable water use.*

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

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX77305	1/2" PEX F1960 to 1-1/4" SS Manifold Connector	1	10	pair	\$ 35.15
New!	EX77319	5/8" PEX F1960 to 1-1/4" SS Manifold Connector	1	10	pair	\$ 39.37
New!	EX77322	3/4" PEX F1960 to 1-1/4" SS Manifold Connector	1	10	pair	\$ 45.65



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
New!	76944	Side Mount Automatic Air Vent Kit for 1-1/4" SS Manifold	1	10	ea.	\$ 191.90



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
New!	76945	Pressure Bypass Kit for 1-1/4" SS Manifold	1	5	ea.	\$ 190.19



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
New!	76946	Coupling Kit for 1-1/4" SS Manifold	1		ea.	\$ 86.72



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
New!	76947	Elbow Kit for 1-1/4" SS Manifold	1	10	ea.	\$ 155.39



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
Special Order*	76948	Insulation Kit for 1-1/4" SS Manifold, 12 Ports	1	10	ea.	\$ 101.12
Special Order*	76949	Insulation Kit for 1-1/4" SS Manifold Ball Valve	1	10	ea.	\$ 32.80

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

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.



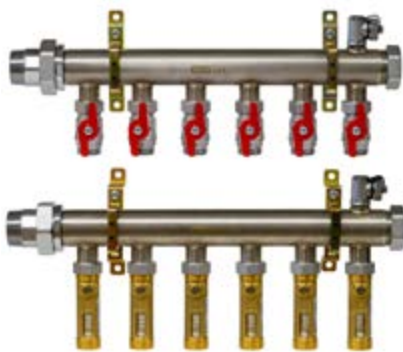
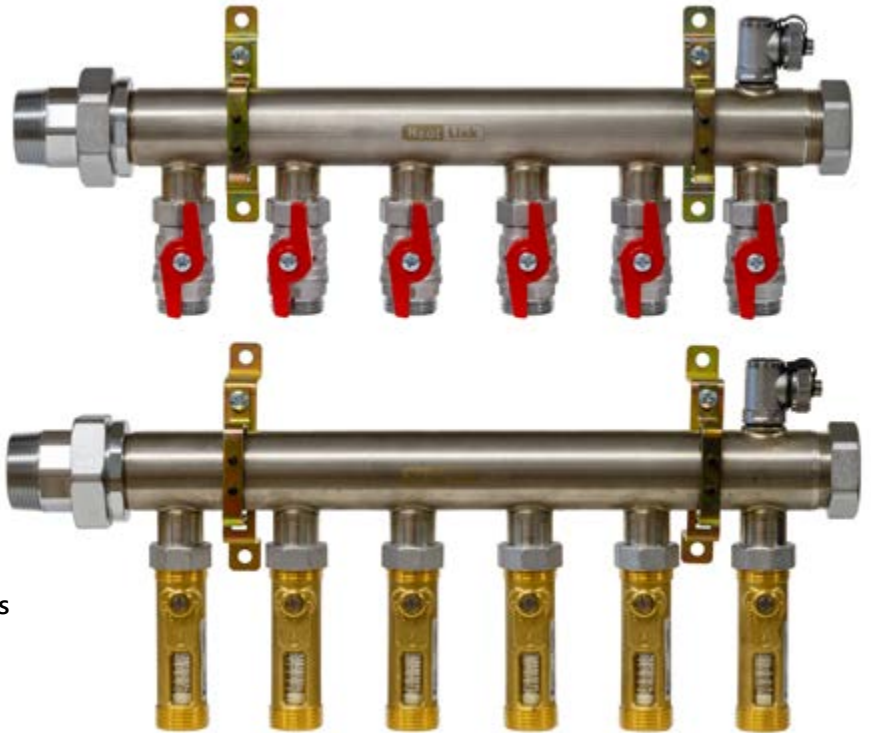
PEX compression connectors

- 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
New!	76706	6 Loop 1-1/2" SS Manifold with Flow Meters	1		ea.	\$ 2,336.26
New!	76708	8 Loop 1-1/2" SS Manifold with Flow Meters	1		ea.	\$ 2,788.36
New!	76710	10 Loop 1-1/2" SS Manifold with Flow Meters	1		ea.	\$ 3,246.59
New!	76712	12 Loop 1-1/2" SS Manifold with Flow Meters	1		ea.	\$ 3,790.01



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
New!	77519	5/8" PEX to 1-1/2" SS Manifold Connector	1	10	pair	\$ 59.62
New!	77522	3/4" PEX to 1-1/2" SS Manifold Connector	1	10	pair	\$ 59.80



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 30](#)). *Not for potable water use.*

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

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	EX77419	5/8" PEX F1960 to 1-1/2" SS Manifold Connector	1	10	pair	\$ 54.91
New!	EX77422	3/4" PEX F1960 to 1-1/2" SS Manifold Connector	1	10	pair	\$ 58.41
New!	EX77428	1" PEX F1960 to 1-1/2" SS Manifold Connector	1	10	pair	\$ 64.33



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
New!	76964	Coupling Kit for 1-1/2" SS Manifold	1		ea.	\$ 296.10



Loctite 55

Stk# 76601

Loctite 55 pipe sealing cord recommended for sealing threads on 1-1/2" and 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.	\$ 147.08



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

Stk# 76675

Cap to seal 1-1/2" or 2" SS manifold (76600 and 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	\$ 44.97



Automatic Air Vent for Stainless Steel Manifold

Stk# 76932

Add an automatic air vent to the 1-1/2" or 2" SS manifold (76600 and 76700 series) by replacing a hose bib. Comes with o-ring.

For complete specifications, see submittal [SUB76932](#).

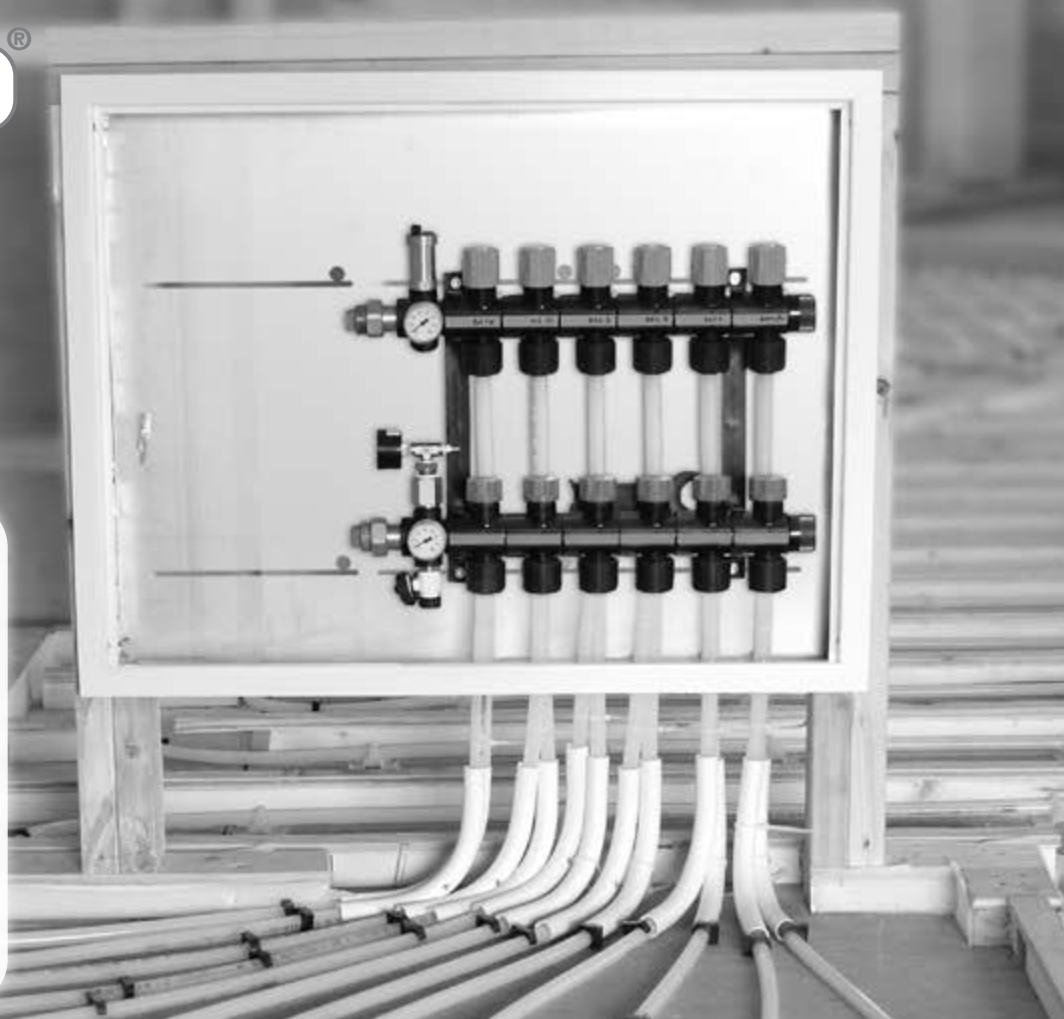
Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
76932	Automatic Air Vent for 1-1/4" SS Manifold	1		ea.	\$ 50.66



Manifold Housings

Features & Benefits

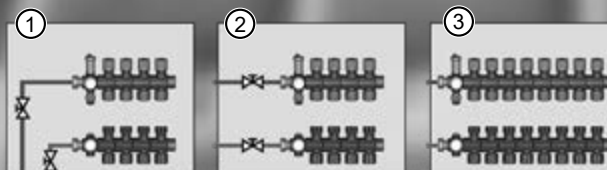
- ✓ allows easy access to manifold
- ✓ visible parts made of satin coated steel and are ready to paint without priming
- ✓ cover enables a structural flush seal
- ✓ locking, removable (lift off) door
- ✓ stylish ventilation apertures to prevent build up of heat and formation of condensation
- ✓ openings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



Stk. #	Width	Height	Depth	Max # of Loops with Manifold Assembly Kit #:		Max # of 1-¼" SS Manifold Loops		Max # of 1-½" SS Manifold Loops	
				79400*	79200				
Surface Mount				①	①	①		①	
72434	34-½" (876 mm)	28-½" (724 mm)	5-⅞" (149 mm)	8	8	9		7	
72442	42-½" (1080 mm)	28-½" (724 mm)	5-⅞" (149 mm)	12	12	12		10	
72446	46-½" (1180 mm)	28-½" (724 mm)	5-⅞" (149 mm)	—	—	—		11	
72469	69" (1753 mm)	28-½" (724 mm)	5-⅞" (149 mm)	—	—	—		18	
72481	85" (2160 mm)	28-½" (724 mm)	5-⅞" (149 mm)	—	—	—		24	
72493	93" (2360 mm)	28-½" (724 mm)	5-⅞" (149 mm)	—	—	—		—	
Recessed				① ②	③	① ②	③	① ②	③
71724	24" (610 mm)	23" (584 mm)	3-⅞" (98 mm)	4	7	4	8	3	7
71730	30-¼" (768 mm)	23" (584 mm)	3-⅞" (98 mm)	6	9	7	10	6	7
71743	43-½" (1105 mm)	23" (584 mm)	3-⅞" (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

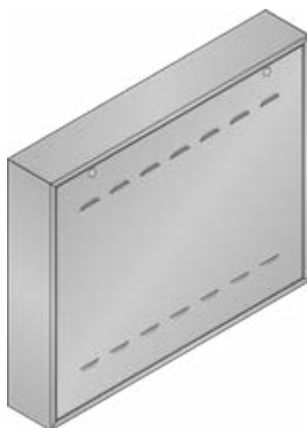
Allows easy access to the manifold through its locking, removable door.

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) or 2" (76600 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.	\$ 547.82
71730	Recessed Manifold Housing 30"x23"x3-7/8"	1		ea.	\$ 605.76
71743	Recessed Manifold Housing 43-1/2"x23"x3-7/8"	1		ea.	\$ 705.31



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) or 2" (76600 series) Stainless Steel Manifolds

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

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
	72434	Surface Mounted Manifold Housing 34-1/2"x28-1/2"x5-7/8"	1		ea.	\$ 893.88
	72442	Surface Mounted Manifold Housing 42-1/2"x28-1/2"x5-7/8"	1		ea.	\$ 1,017.62
	72446	Surface Mounted Manifold Housing 46-1/2"x28-1/2"x5-7/8"	1		ea.	\$ 1,153.88
Special Order*	72469	Surface Mounted Manifold Housing 69"x28-1/2"x5-7/8"	1		ea.	\$ 1,840.86
Special Order*	72481	Surface Mounted Manifold Housing 85"x28-1/2"x5-7/8"	1		ea.	\$ 2,086.83
Special Order*	72493	Surface Mounted Manifold Housing 93"x28-1/2"x5-7/8"	1		ea.	\$ 2,376.58

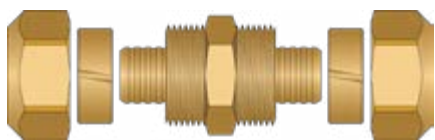


Key Lock for Manifold Housing Door Stk# 71901

Key lock that can field replace the standard coin/screwdriver lock of manifold housings (72400 Series).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
71901	Key Lock for Manifold Housing Door	1		ea.	\$ 29.97

* 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.	\$ 43.87
69019	5/8" x 5/8" PEX Comp. Coupling	1	25	ea.	\$ 43.87
69022	3/4" x 3/4" PEX Comp. Coupling	1	25	ea.	\$ 62.78



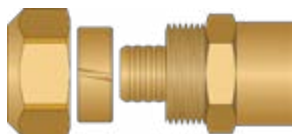
PEX Compression to MNPT Adapters 68000 Series

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.	\$ 26.28

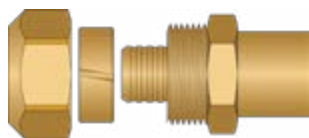


PEX Compression to Female Sweat Adapters 67100 Series

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.	\$ 28.42



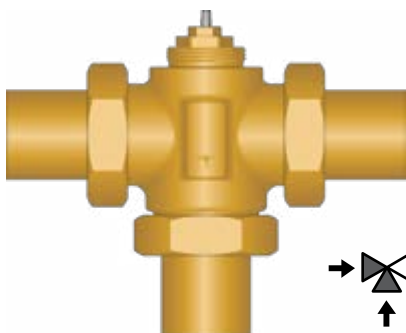
PEX Compression to Male Sweat Adapters 67000 Series

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.	\$ 27.77

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 63700 Series

Three-way mixing valve for fluid temperature control in heating and cooling systems. 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 66](#)) and thermostatic heads (#57091 and #57094; [page 61](#)).

1/2" Cv = 2.9 (Kv = 2.5)

3/4" Cv = 4.1 (Kv = 3.5)

1" Cv = 5.3 (Kv = 4.6)

1-1/4" Cv = 7.4 (Kv = 6.4)

For complete specifications, see submittal [SUB63700](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	63716	1/2" Compact 3-Way Mixing Valve	1	5	ea.	\$ 277.77
WSL	63732	1-1/4" Compact 3-Way Mixing Valve	1	5	ea.	\$ 842.46



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 66](#)) and thermostatic heads (#57091 and #57094; [page 61](#)).

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
	63720V	3/4" Compact 3-Way Mixing Valve	1		ea.	\$ 484.38
	63725V	1" Compact 3-Way Mixing Valve	1		ea.	\$ 614.44



Straight Zone / Injection / Radiator Valves 62000 Series

Provides on/off or modulated flow control for baseboard, fan coils, manifolds, injection controls, or miscellaneous supplemental heating units (e.g. towel warmers). #62216 and #62220 are nickel plated.

Threads are compatible with actuators (#56201, #56231, #56121; [page 66](#)), wireless actuator (#56401; [page 70](#)), and thermostatic heads (#57091 and #57094; [page 61](#)).

#62216 – 1/2" Cv = 2.3 (Kv = 2.0)

#62220 – 3/4" Cv = 2.9 (Kv = 2.5)

For complete specifications, see submittal [SUB62000](#).

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
WSL	62216	Straight Zone Valve 1/2" NPT, Nickel Plated	1	20	ea.	\$ 84.22
WSL	62220	Straight Zone Valve 3/4" NPT, Nickel Plated	1	20	ea.	\$ 108.28



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 66](#)), wireless actuator (#56401; [page 70](#)), and thermostatic heads (#57091 and #57094; [page 61](#)).

#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)

#62030V – 1-1/4" Cv = 4.8 (Kv = 4.2)

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.	\$ 106.70
	62020V	Straight Zone Valve 3/4" NPT	1		ea.	\$ 137.20
	62025V	Straight Zone Valve 1" NPT	1		ea.	\$ 171.91
	62030V	Straight Zone Valve 1-1/4" NPT	1		ea.	\$ 307.66

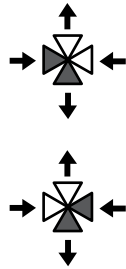
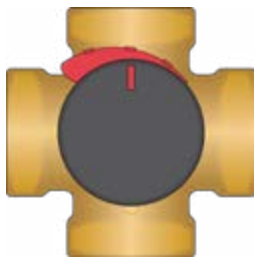

Thermostatic Head c/w Capillary
Stk# 57094

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.	\$ 344.39



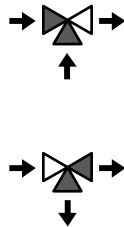
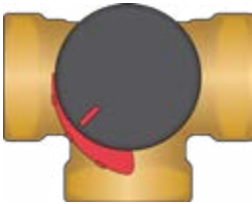
4-Way FNPT Mixing Valves 64000 Series

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.	\$ 469.78
64031	1-1/4" × 4-Way FNPT Mixing Valve	1		ea.	\$ 504.19
64041	1-1/2" × 4-Way FNPT Mixing Valve	1		ea.	\$ 798.32
64051	2" × 4-Way FNPT Mixing Valve	1		ea.	\$ 1,015.50



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
New!	63022	3/4" × 3-Way FNPT Mixing / Diverting Valve, Cv 4.7	1		ea.	\$ 390.38
New!	63023	3/4" × 3-Way FNPT Mixing / Diverting Valve, Cv 7.3	1		ea.	\$ 390.38
	63026	1" × 3-Way FNPT Mixing / Diverting Valve	1		ea.	\$ 424.84
	63539	1-1/4" × 3-Way FNPT Mixing / Diverting Valve	1		ea.	\$ 484.11
	63541	1-1/2" × 3-Way FNPT Mixing / Diverting Valve	1		ea.	\$ 712.47
	63551	2" × 3-Way FNPT Mixing / Diverting Valve	1		ea.	\$ 857.38



Mixing Valve Motors for 1" 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 (#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 1" to 2" FNPT Valves 3-Point Floating	1		ea.	\$ 785.66
58132	Mixing Valve Motor for 1" to 2" FNPT Valves DDC	1		ea.	\$ 1,040.53



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

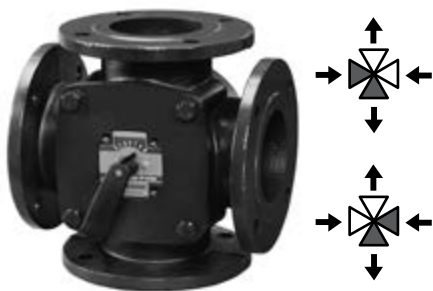
Used to automatically operate the 4-way flange mixing valve. For use with flanged 2" to 4" mixing valves (#64164, #64166, #64181, #65000).

#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.	\$ 1,349.17
58300	Mixing Valve Motor for 2" to 4" Flange Mixing Valves DDC	1		ea.	\$ 2,403.49



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)

2-1/2" 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.	\$ 1,968.68
65000	4" × 4-Way Flange Mixing Valve	1		ea.	\$ 3,693.91

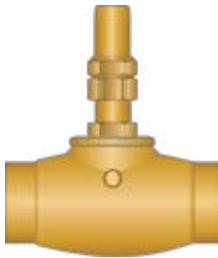


DIN Flanges and Gaskets for 4-Way Flange Mixing Valves 64100F & 64100G Series

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.	\$ 83.02
65000F	4" DIN Flange	1		ea.	\$ 191.52
64164G	2" Gasket for DIN Flange	1		ea.	\$ 26.07
65000G	4" Gasket for DIN Flange	1		ea.	\$ 71.65



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](#).

WSL

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
62325	Straight Balancing Valve 1" F/Sweat	1	24	ea.	\$ 167.58



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.	\$ 234.19
60025V	Pressure Activated Bypass Valve 1"	1		ea.	\$ 301.41
60040V	Pressure Activated Bypass Valve 1-¼"	1		ea.	\$ 398.70



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.	\$ 174.22
56231	HeatLink® Valve & SS Manifold Actuator c/w End Switch	1	100	ea.	\$ 142.33
56232	HeatLink® Multiport Manifold Actuator c/w End Switch	1	100	ea.	\$ 177.35



Actuators 56200 Series

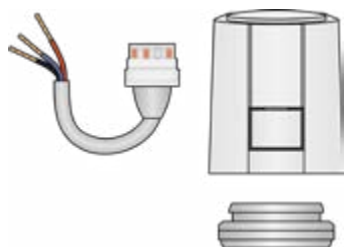
These actuators allow for additional room temperature control in conjunction with a room thermostat by mounting on a TwistSeal® supply manifold module (56200), Stainless Steel Manifold (56201), HeatLink® 62000V & 63700V series zone valves (56201), or TwistSeal® Multiport Manifold (56202). Includes a 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.	\$ 114.80
56201	HeatLink® Valve & SS Manifold Actuator with LED	1	100	ea.	\$ 99.62
56202	HeatLink® Multiport Manifold Actuator with LED	1	100	ea.	\$ 110.12

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.	\$ 262.50

HeatLink® 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.

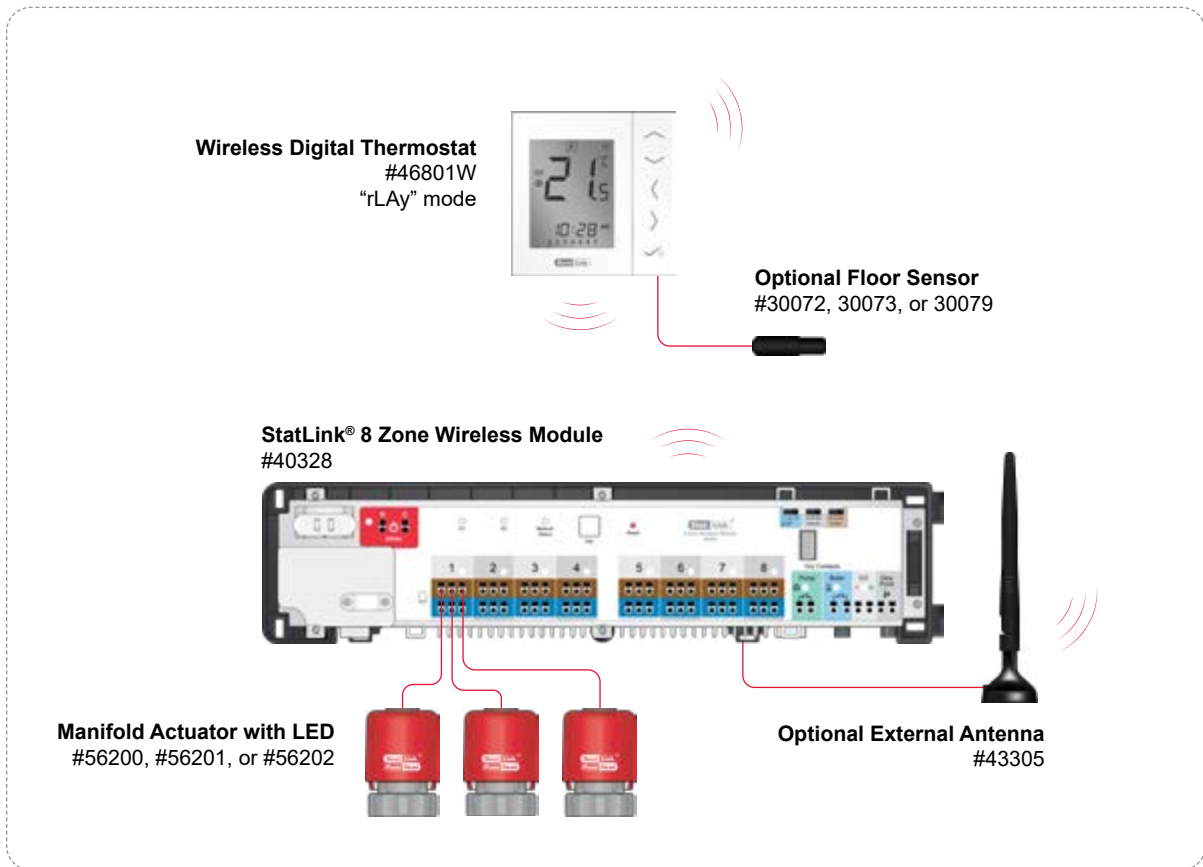
Features & Benefits:

- 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).



HeatLink® Smart System app

Radiant floor heating with manifold

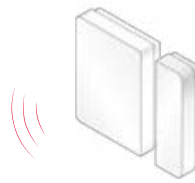
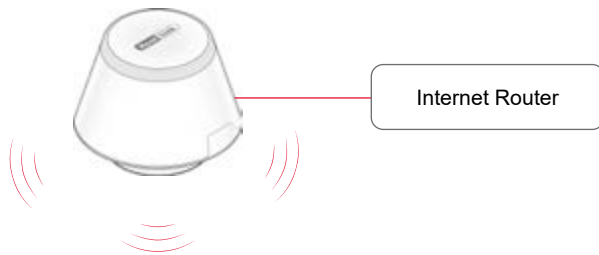


Product Compatibility

Item	Stk#	Co-ordinator #43306	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			•
Door/Window Sensor	43303			•
Repeater	43307	•	•	•
Water Leak Sensor	43310			•
Inline Shutoff Valve	43311			•

**Wireless Internet Gateway
#43301**

The heart of a HeatLink Smart System.

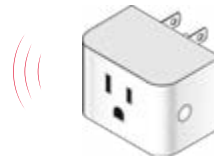


**Door/Window Sensor
#43303**

Detects when doors and windows have been opened or closed.

Trigger other devices to react using smart rules or have notifications sent to you.

E.g. turn a lamp on when a door opens, or turn down a thermostat if a window is left open.



**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.	\$ 381.92



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.	\$ 170.45

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.	\$ 433.20

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.	\$ 273.84



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.	\$ 187.82



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.	\$ 173.36



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](#).

WSL

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
43303	Door/Window Sensor	1	60	ea.	\$ 101.89



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.	\$ 103.99



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.	\$ 174.85



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.	\$ 592.45



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.	\$ 148.82



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.	\$ 116.86



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.	\$ 182.47



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.	\$ 146.16



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, ½ 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.	\$ 260.95

Pump Wiring Center 41310 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.	\$ 646.74



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
New!	40414	StatLink® 4 Zone Module	1		ea.	\$ 181.08



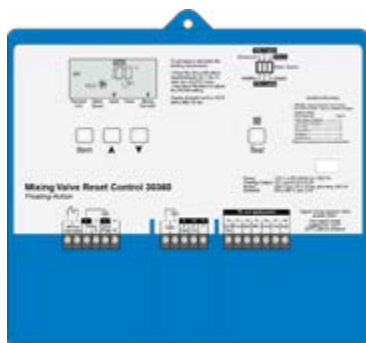
Installation Track for StatLink® Modules Stk# 44325

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.	\$ 32.88



Indoor/Outdoor Mixing Valve Reset Control Stk# 30360

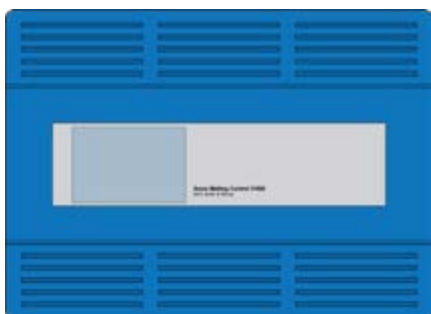
The 30360 mixing control is designed to operate a mixing valve using outdoor temperature reset. It can be used in applications ranging from radiant floor heating to commercial baseboard systems for boiler protection with full reset. This control regulates a single heating water temperature through outdoor 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
New!	30360	Indoor/Outdoor Mixing Valve Reset Control	1		ea.	\$ 1,978.90



Snow Melt Control 680-BMS BACnet Stk# 31680

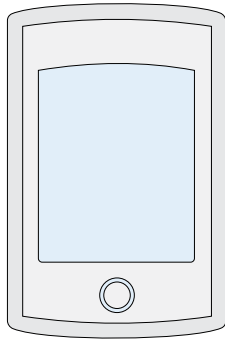
The 31680 Snow Melt Control is designed to control a single zone snow melting system. Up to two Snow/Ice Sensors (#30090) can be connected, allowing for a larger detection area and redundancy. The control automatically adjusts the mixed supply water to the snow melting system by controlling a variable 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.	\$ 7,316.05



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.

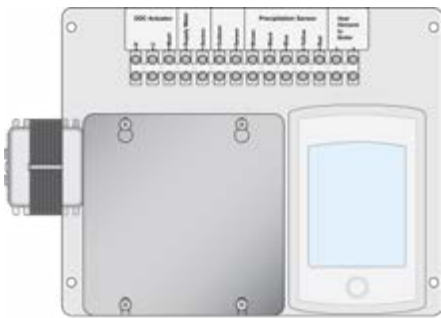
Outdoor sensor and 1 universal sensor are included.

24 Vac 60 Hz 100 VA (max)

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

	Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
New!	30654	Snow Melt Control	1		ea.	\$ 1,884.98

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.

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
New!	SMCP-654	Snow Melt Control Package	1		ea.	\$ 2,757.63



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.	\$ 2,018.03
30091	Snow/Ice Sensor Socket	1		ea.	\$ 458.63



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.	\$ 428.88



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.	\$ 73.29



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.	\$ 246.94
30073	Slab Sensor (10K) PVC Sleeve 40ft Cable	1		ea.	\$ 419.50
30079	Slab Sensor (10K) SS Sleeve 10ft Cable	1		ea.	\$ 88.66



HeatLink® Snow Melt Control Package - DDC Stk# SMCP

The ETO2SMCNTR Snow Melt Control is designed to control a one or two zone snow melting system. The snow melting system may be started manually or automatically through the use of a Driveway Sensor (#DRVWSNS-SS). The control automatically adjusts the mixed supply water to the snow melting system by controlling a DDC Mixing Valve Motor (#58132 or #58300; sold separately). The control includes a Liquid Crystal Display (LCD) in order to view system status and operating information.

Includes two 12K NTC sensors (ETF1899ASNS).

Driveway Sensor sold separately.

120 Vac 50/60 Hz

24 Vac 50/60 Hz (for mixing valve)

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

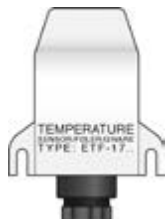
WSL

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
SMCP	Snowmelt Control c/w ETO2 DDC and 2 Strap On Sensors	1		ea.	\$ 2,297.68

ETF-144/99A



ETF-1733/44/55



Sensor NTC 12K ETF Series

Optional NTC 12K sensors for use with the ETO2SMCNTR snow melt control, SMCP, or standard Snow Melt Panels.

For complete specifications, see submittal [SUBETF14499A](#) or [SUBETF17334455](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
ETF-144/99A	Slab Sensor (12k) PVC Sleeve 8ft Cable for ETO2SMCNTR Snowmelt Controller	1		ea.	\$ 175.19
ETF-1733/44/55	Optional Outdoor Sensor for SMCP & SMP Panels	1		ea.	\$ 361.94

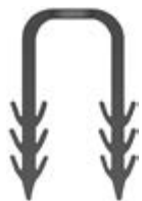


Snow/Ice Detector (Sensor) Stk# DRVWSNS-SS

This snow/ice sensor in conjunction with the ETO2SMCNTR snow melt control, SMCP, or standard Snow Melt Panels, activates and controls a snow melting system based on moisture (snow/ice) and slab temperature.

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

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
DRVWSNS-SS	Driveway Sensor for SMP Panels	1		ea.	\$ 2,169.51



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	\$ 187.25



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× 2-3/4" (60mm) Staples for Stand-up Stapler	1	20	box	\$ 70.18



89251



89252

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 133](#)).

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	\$ 75.54
89252	300× 2" Staples for HeatLink® Deluxe Staple Gun	1	10	box	\$ 93.28



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	\$ 99.01
89107	1000 Tie Straps - 7.5"	1	10	bag	\$ 104.27



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:

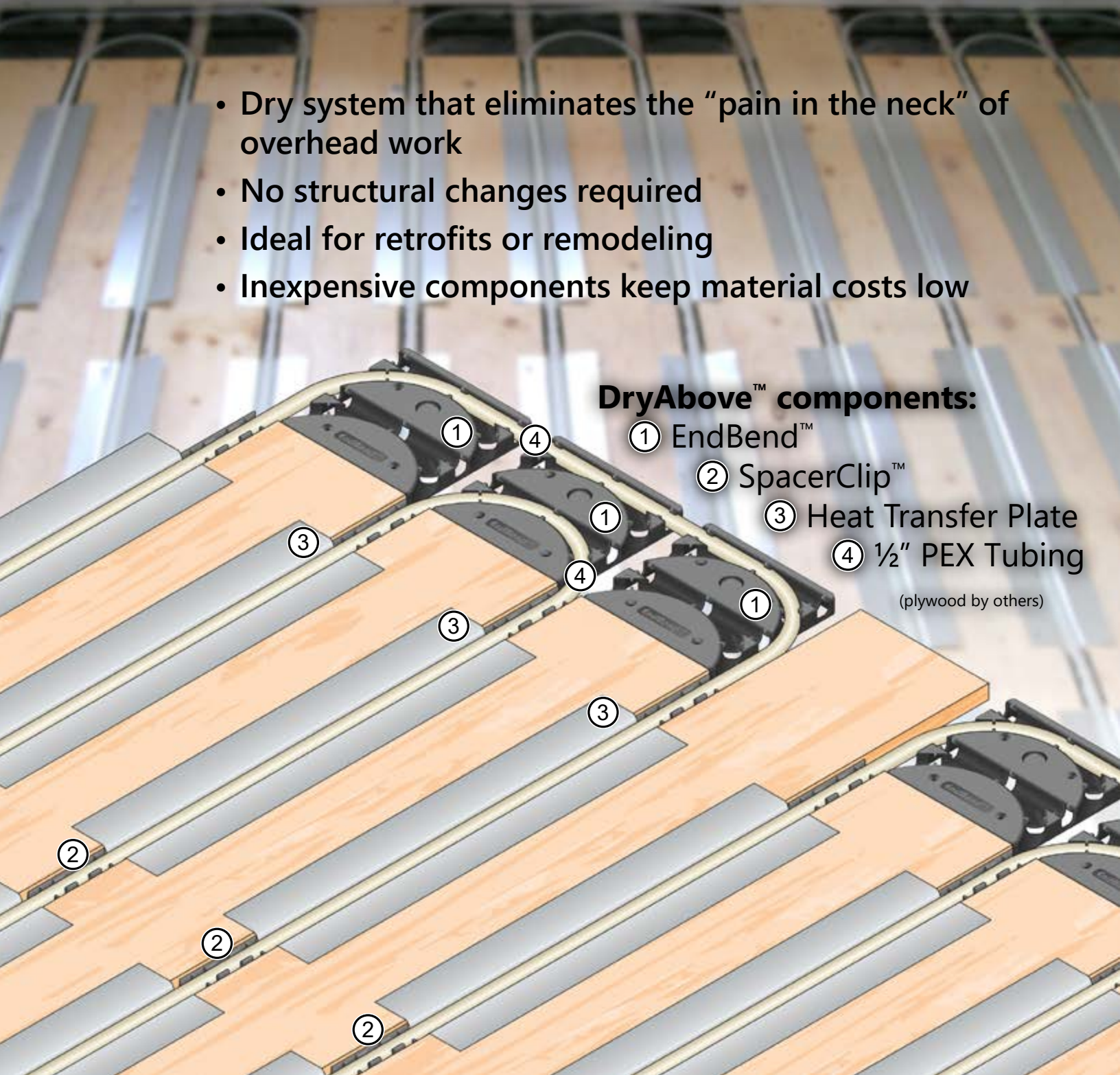
① EndBend™

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.	\$ 5.61



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.	\$ 7.71



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.	\$ 2.56



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.	\$ 1.86



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.	\$ 5.82
86020	¾" Conduit 90s	1	50	ea.	\$ 7.85
86022	¾" Conduit 90s	1	40	ea.	\$ 12.37
86028	1" Conduit 90s	1	50	ea.	\$ 15.46



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.	\$ 1.97
86122	Plastic Bend Support for ¾" Tubing	1	400	ea.	\$ 3.70

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	bottle	\$ 116.65



HeatLink Preventative Maintenance Water Analysis Stk# 00412

Water analysis service provided by HeatLink that tests a water sample for:

- Glycol
- Nitrite Inhibitor
- Molybdate Inhibitor
- pH Level
- Conductivity
- Hardness

A water sample of 400-500 mL (13.5-17 fl. oz.) in a clean plastic bottle is required.

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
00412	HeatLink Preventative Maintenance Water Analysis	1		ea.	\$ 375.00

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.

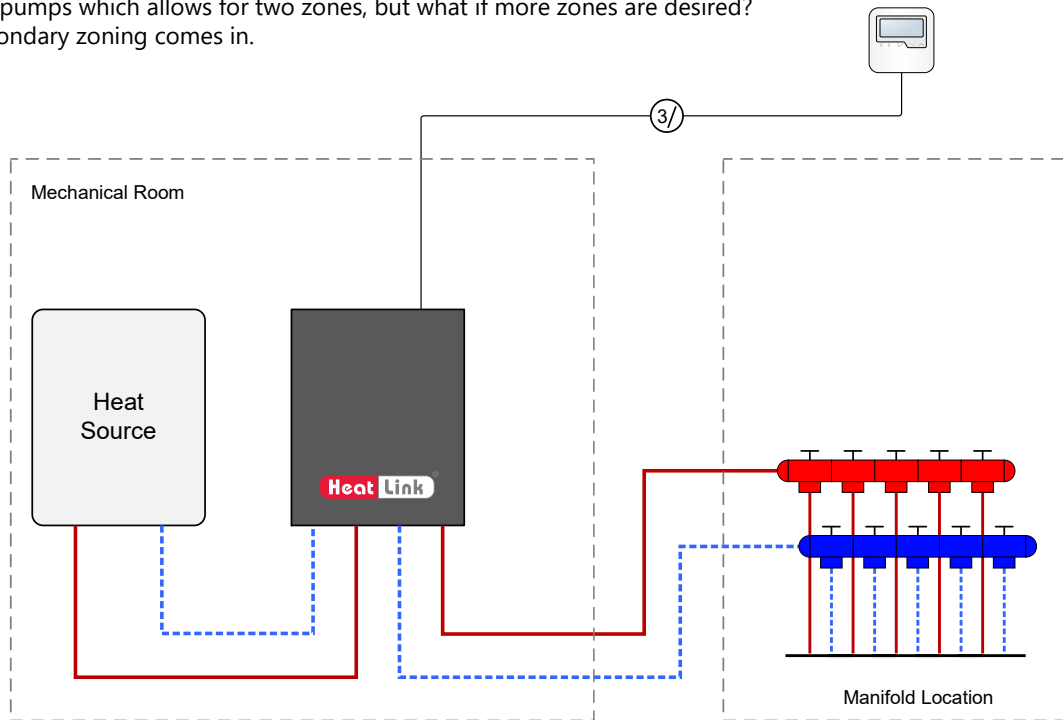
Advantages

- 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.



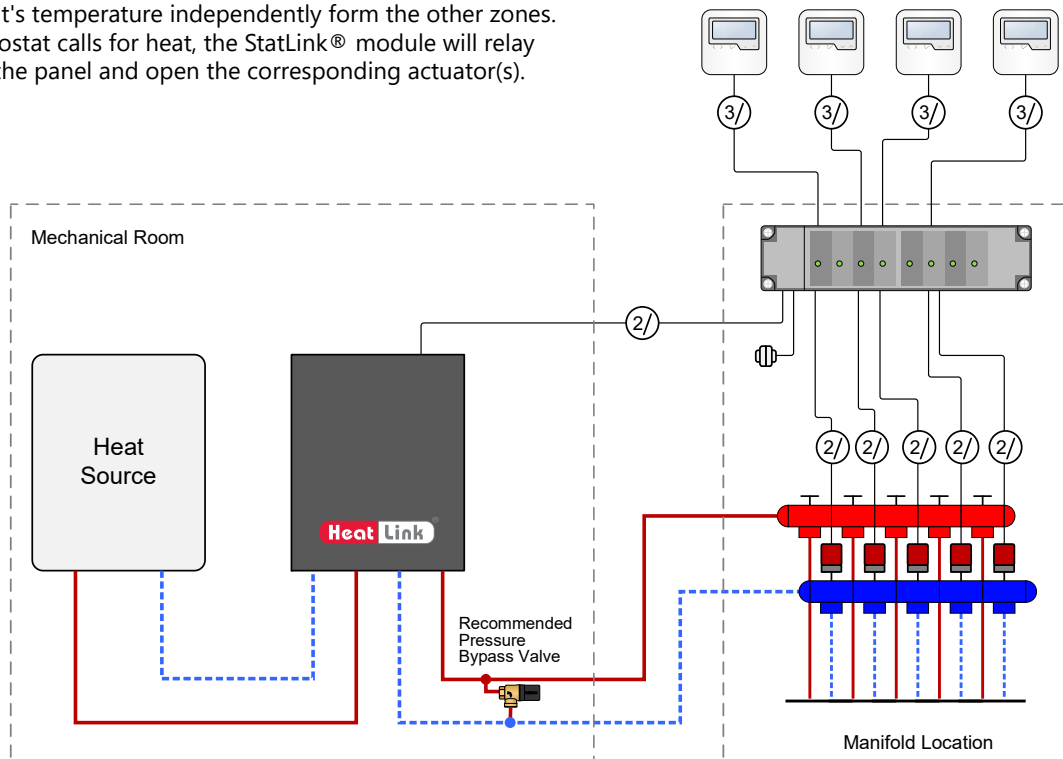
One Zone per Pump

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										
89	ECO Series	•	•				• ⁴			•	1–2					• ¹⁰		80/100,000
90	V100 Series	•	•				• ⁵			•	1–2					• ¹⁰		80/100,000
91	CAD Series	•	•				• ⁶			•	1–2					• ¹⁰		80/100,000
92	KNIGHT Series	•	•				• ⁷			•	1–2					• ¹⁰		80/100,000
93	TFT Series	•	•				• ⁸			•	1–2					• ¹⁰		80/100,000
94	BC Series	•	•				• ⁹			•	1–2					• ¹⁰		80/100,000
95	ELBP Series		•					•		•	1							18/30/50,000
96	ELBP-TS Series		•					•		•	1	•						18/30/50,000
97	TMP040/070		•		•		•		•	•	1			•			•	40/70,000
98	TMP070Z		•		•		•		•	•	4			•			•	70,000
99	TMP085DP		•		•		•		•	•	2			•			•	85,000
100	TMP-Multi	•	•	•			•			•	2–5			•		•		
102	TWH-P Series		•			•	•		•	•	1			•		opt	•	70,000
103	TWH-Z Series		•			•	•		•	•	4			•		opt	•	70,000
104	HEP Series		•		•	•			•	•	1		•			opt	•	25/80/95,000
105	HEP025R		•		•	•			•	•	1		•			opt		25,000
106	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):

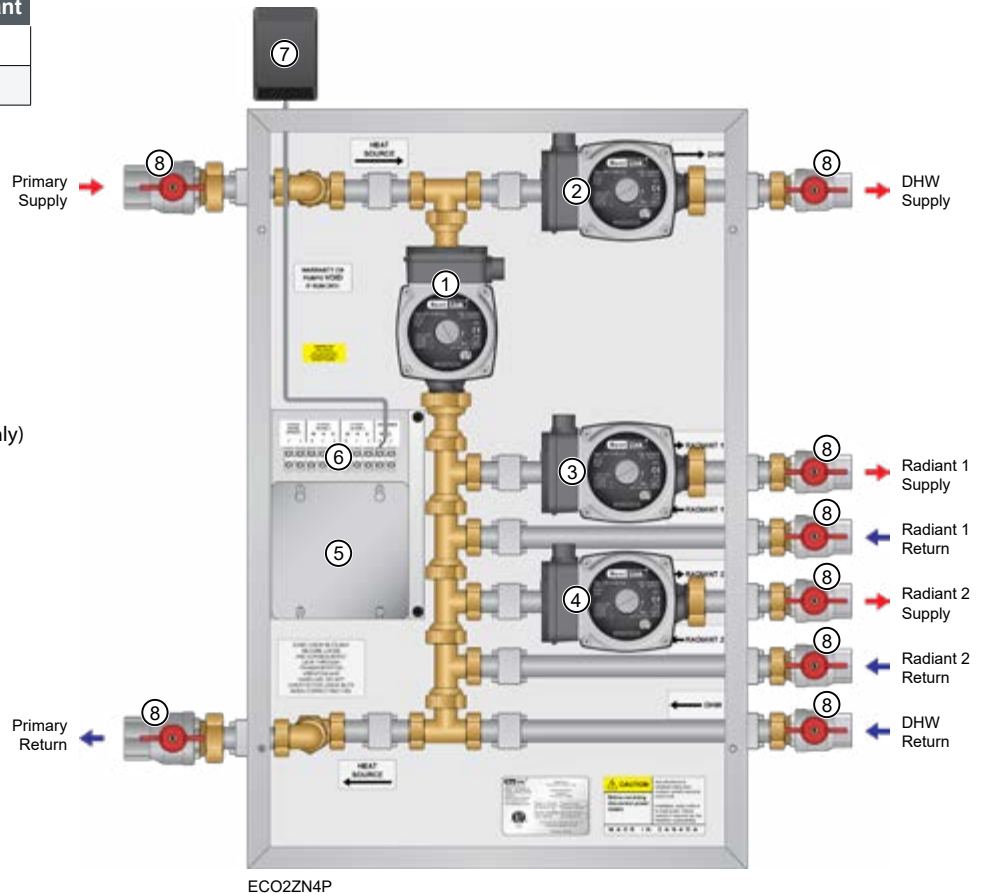
- A demand from the DHW aquastat to the boiler, the boiler will turn on the DHW pump and disable the Primary and Radiant pumps (if running) and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will continue to run for as long as the boiler control 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.	\$ 3,810.00
ECO2ZN4P	ECO Boiler Panel High Capacity 4 Pump	1	ea.	\$ 4,391.00

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):

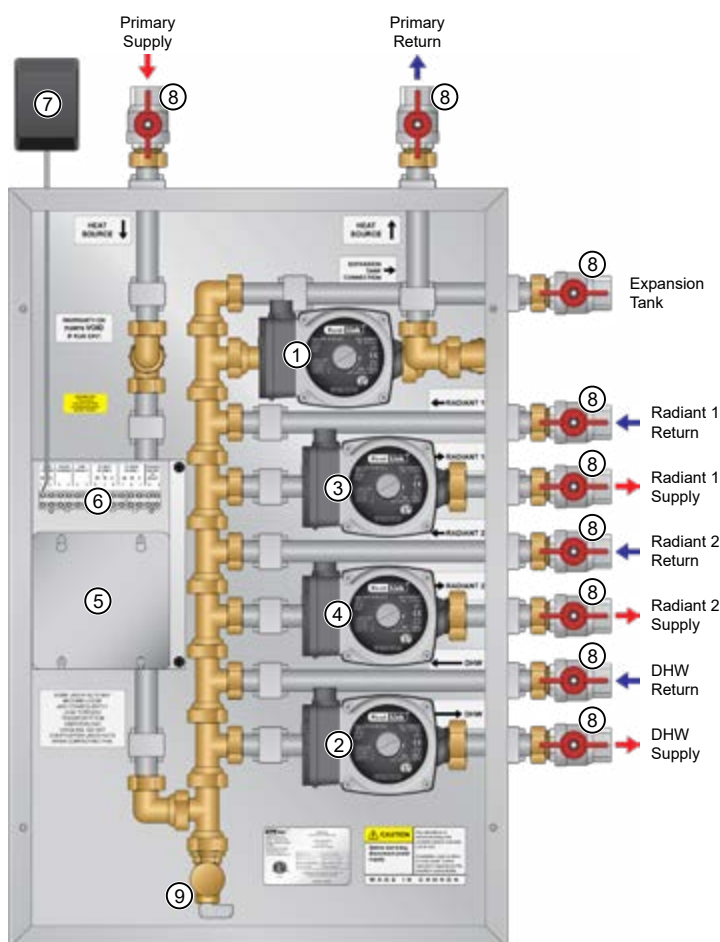
- A demand from the DHW aquastat will close its relay in the panel, disable the Radiant pump(s) (if running), and send a DHW demand to the boiler.
- The boiler will turn on the Primary and DHW pumps and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW 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.	\$ 3,992.00
V102	V100 Boiler Panel 2 Htg 1 DHW	1	ea.	\$ 4,732.00
V103	V100 Boiler Panel 3 Htg	1	ea.	\$ 4,732.00

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):

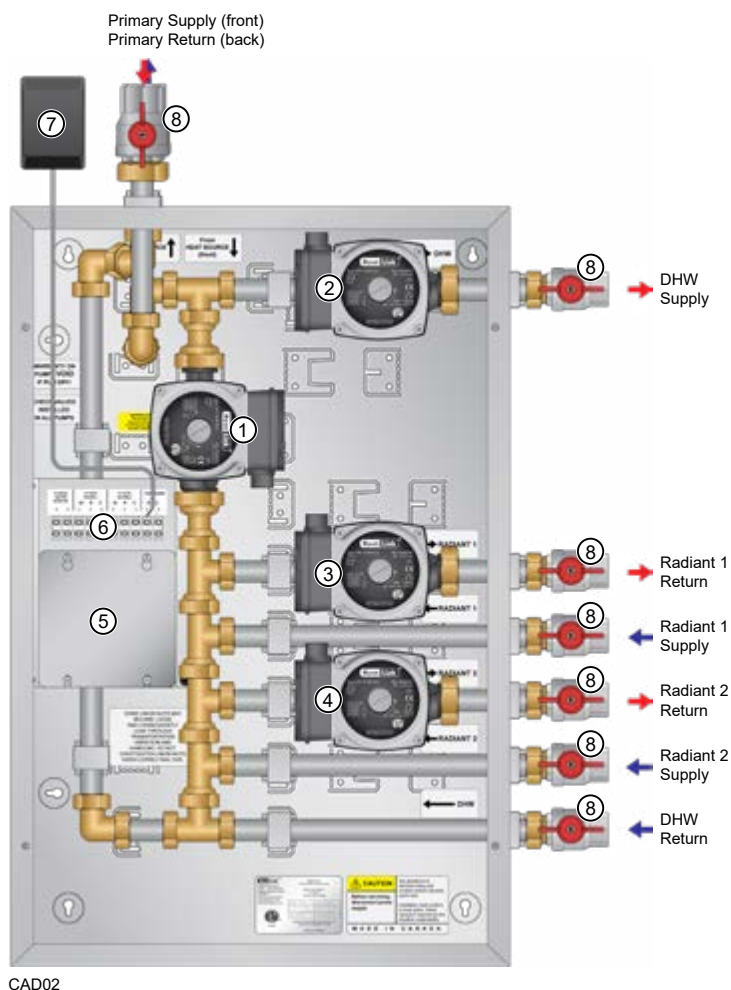
- A demand from the DHW aquastat to the boiler, the boiler will turn on the DHW pump, and turn off the Primary Pump, and the Radiant pump(s) (if running) and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will continue to run for as long as the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



Stk#	Description	Pkg Qty	Unit	List Price / Unit
CAD01	CAD Boiler Panel 3 Pump	1	ea.	\$ 3,810.00
CAD02	CAD Boiler Panel High Capacity 4 Pump	1	ea.	\$ 4,391.00

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):

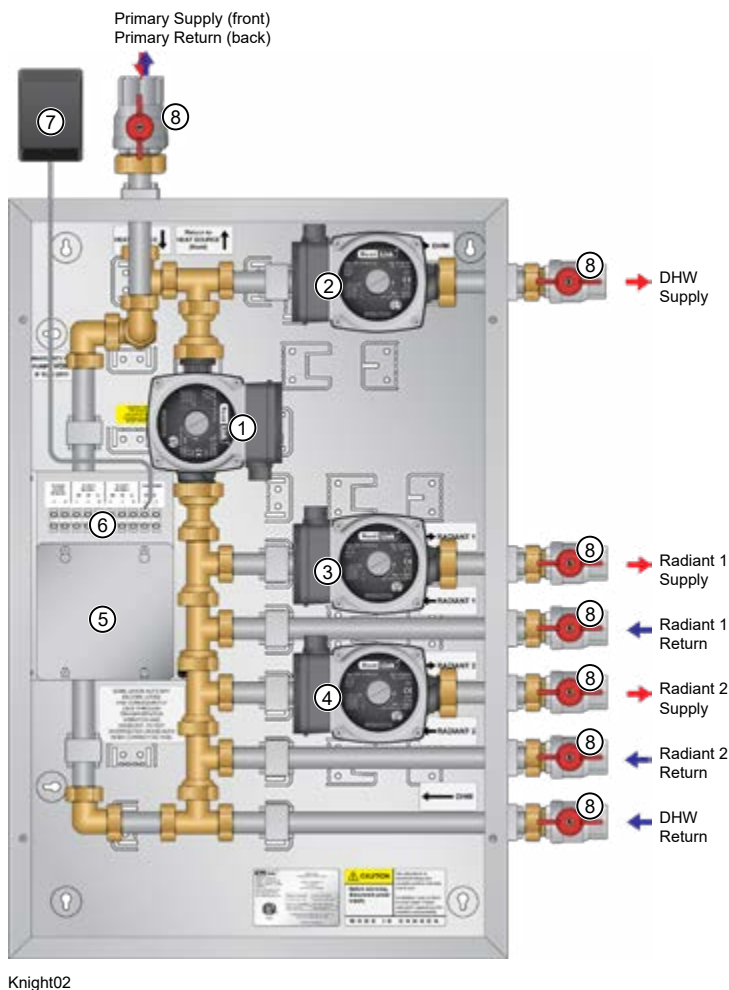
- A demand from the DHW aquastat to the boiler, the boiler will turn on the DHW pump, and turn off the Primary pump, and the Radiant pump(s) (if running) and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will continue to run for as long as the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



Stk#	Description	Pkg Qty	Unit	List Price / Unit
Knight01	Panel for Knight Wall Mount Boiler (3 Pump)	1	ea.	\$ 3,810.00
Knight02	Panel for Knight Wall Mount Boiler (4 Pump)	1	ea.	\$ 4,391.00

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):

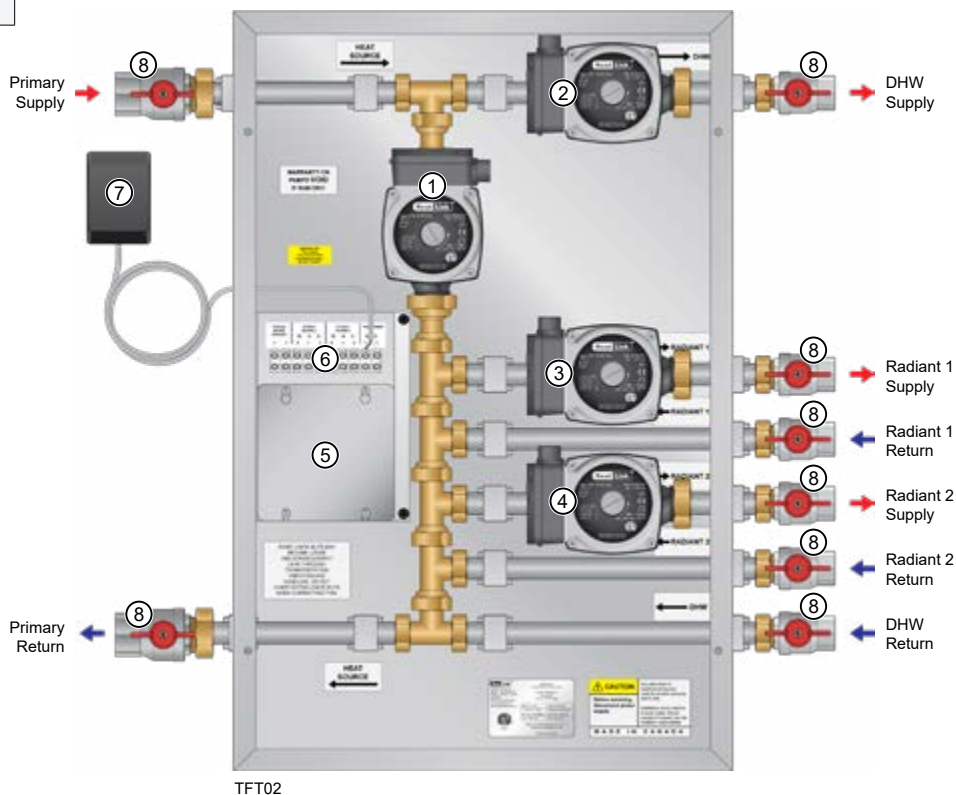
- A demand from the DHW aquastat will send a DHW demand to the boiler.
- The boiler will turn on the DHW pump and disable the Primary and Radiant pump(s) (if running) and change the supply water temp according to its settings.
- When the DHW demand is removed, the DHW pump will continue to run for as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



TFT02

Stk#	Description	Pkg Qty	Unit	List Price / Unit
TFT01	TFT01 Boiler Panel 3 Pump	1	ea.	\$ 3,810.00
TFT02	TFT02 High Capacity Boiler 4 Pump	1	ea.	\$ 4,391.00

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.

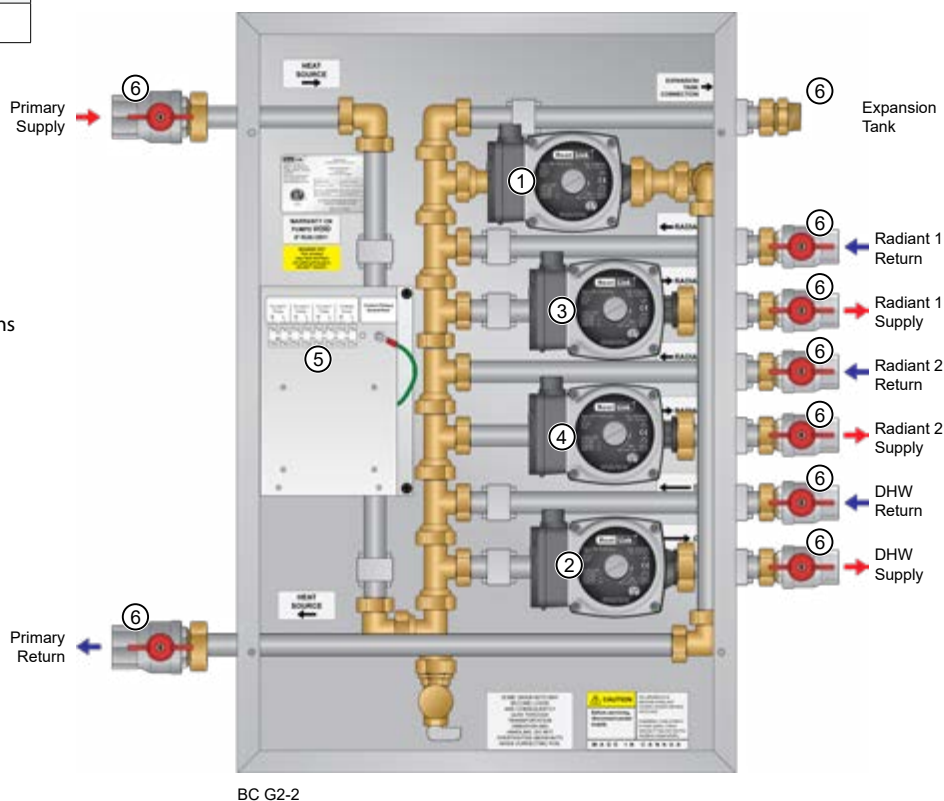
The water temperature and DHW priority is controlled by the boiler.

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)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
BC G2-1	Standard Boiler Panel 3 Pump	1	ea.	\$ 3,992.00
BC G2-2	High Capacity Boiler Panel 4 Pump	1	ea.	\$ 4,732.00
BC G2-3	BC G.Combi Boiler Panel	1	ea.	\$ 4,215.00

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® 6 Zone Base 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.	\$ 4,341.00
ELBP30	Electric Boiler Panel 30,000BTU	1	ea.	\$ 7,642.00
ELBP50	Electric Boiler Panel 50,000BTU	1	ea.	\$ 7,806.00

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® 6 Zone Base Module, and electrical box for 240V connection.

PEX to manifold connectors are sold separately.

Sequence of operation:

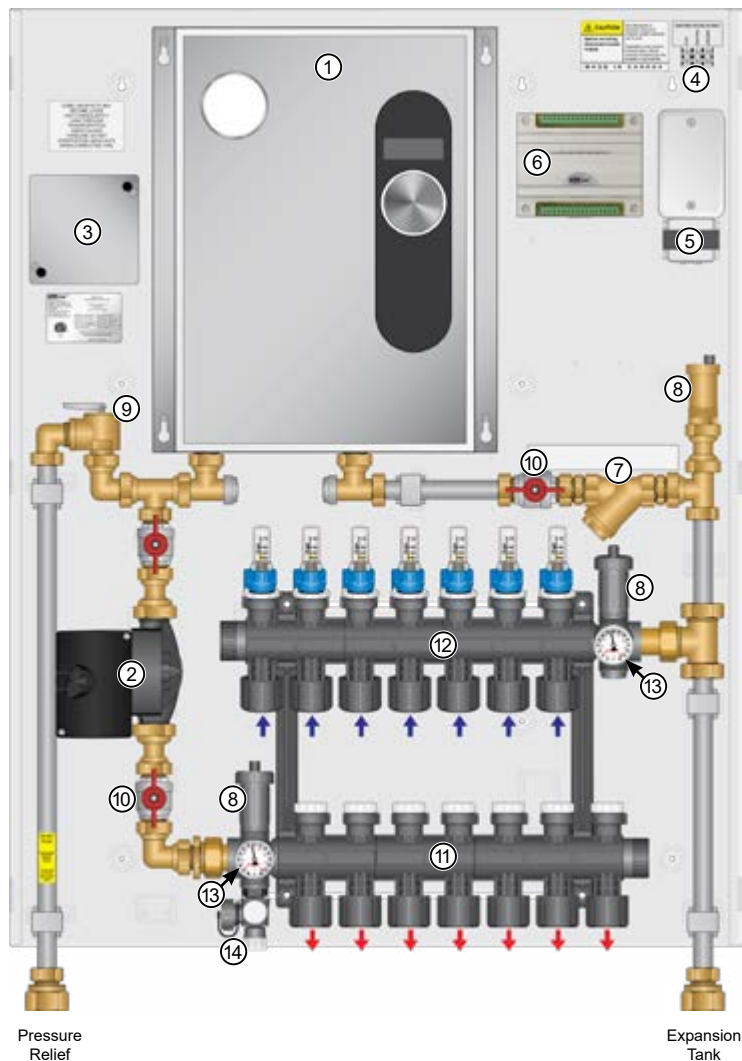
- When there is a call for heat from the thermostat wired to the StatLink® Module, the pump is activated; the electric boiler is then activated via a flow meter and supplies heat based on the user settings.

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.	\$ 5,188.00
ELBP18TS5	Electric Boiler Panel 18,000BTU with 5 Loop Twist Seal Mini Multiport	1	ea.	\$ 5,387.00
ELBP30TS3	Electric Boiler Panel 30,000BTU with 3 Loop Twist Seal Mini Multiport	1	ea.	\$ 8,118.00
ELBP30TS5	Electric Boiler Panel 30,000BTU with 5 Loop Twist Seal Mini Multiport	1	ea.	\$ 8,170.00
ELBP30TS6	Electric Boiler Panel 30,000BTU with 6 Loop Twist Seal Mini Multiport	1	ea.	\$ 8,411.00
ELBP30TS7	Electric Boiler Panel 30,000BTU with 7 Loop Twist Seal Mini Multiport	1	ea.	\$ 8,514.00
ELBP30TS8	Electric Boiler Panel 30,000BTU with 8 Loop Twist Seal Mini Multiport	1	ea.	\$ 8,615.00
ELBP50TS7	Electric Boiler Panel 50,000BTU with 7 Loop Twist Seal Mini Multiport	1	ea.	\$ 9,065.00

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.

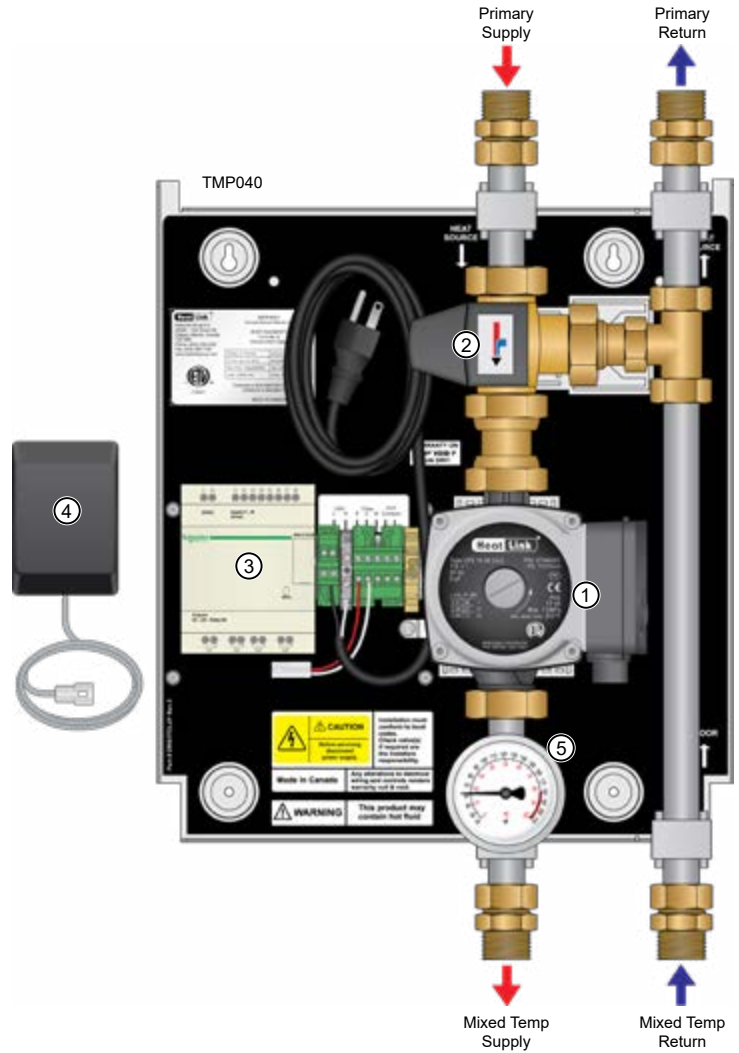
Sequence of operation:

- 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.	\$ 2,706.00
TMP070	TMP 70MBH 3-Way Mixing Panel	1	ea.	\$ 3,000.00

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.

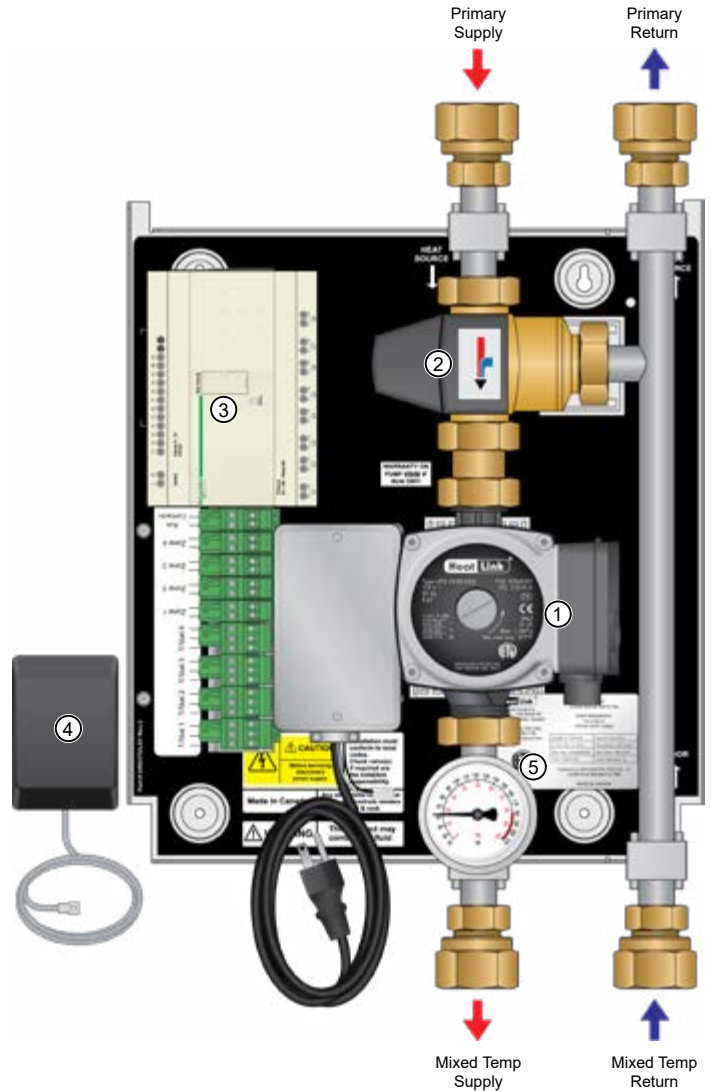
Sequence of operation:

- 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.	\$ 4,193.00

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.

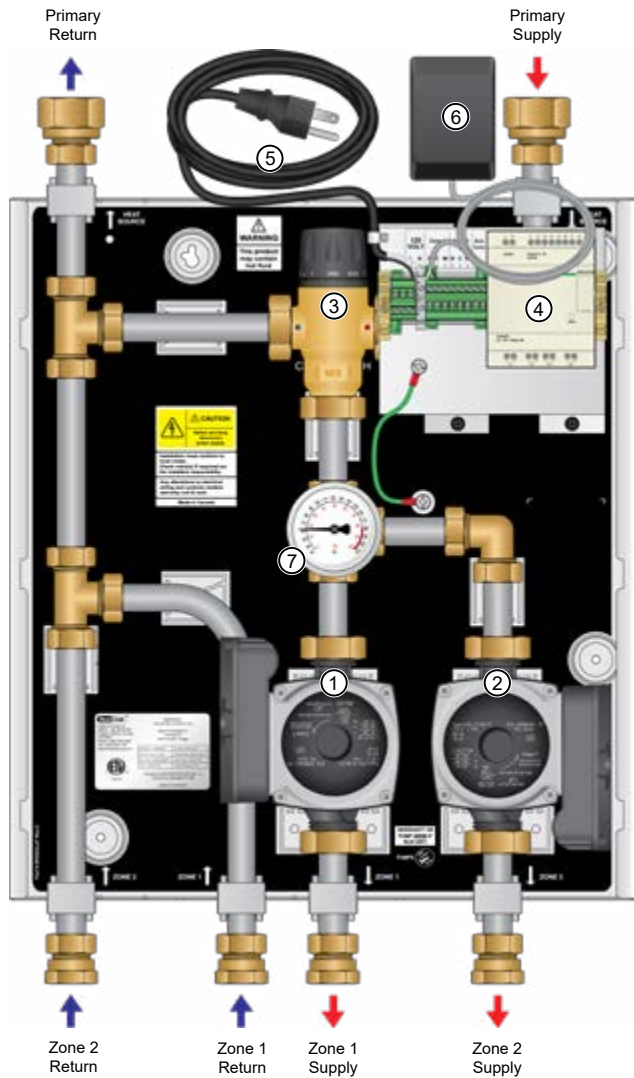
Sequence of operation:

- 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.	\$ 4,383.00

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.

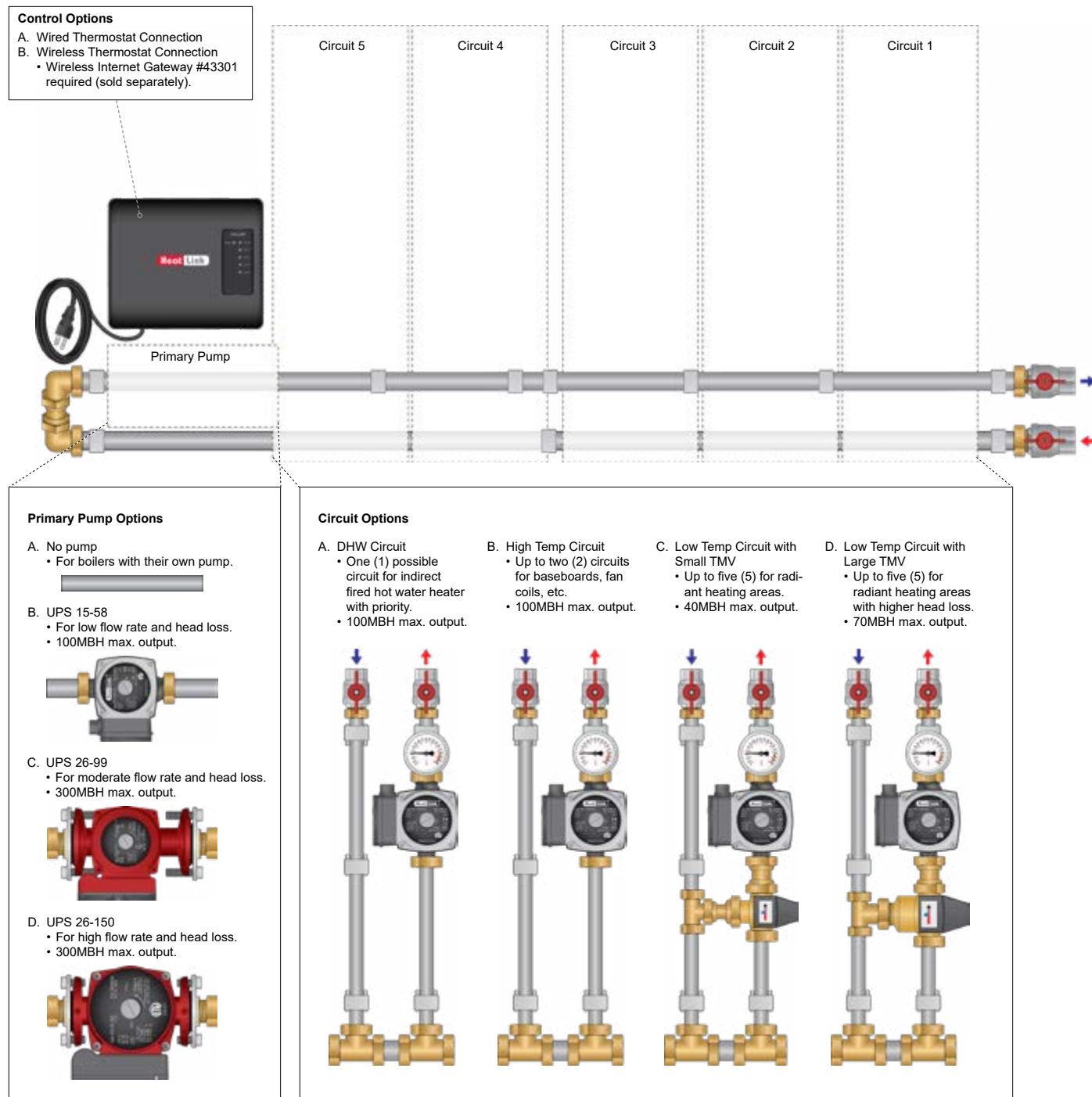
A cover for these panels is not available.

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](#).



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:

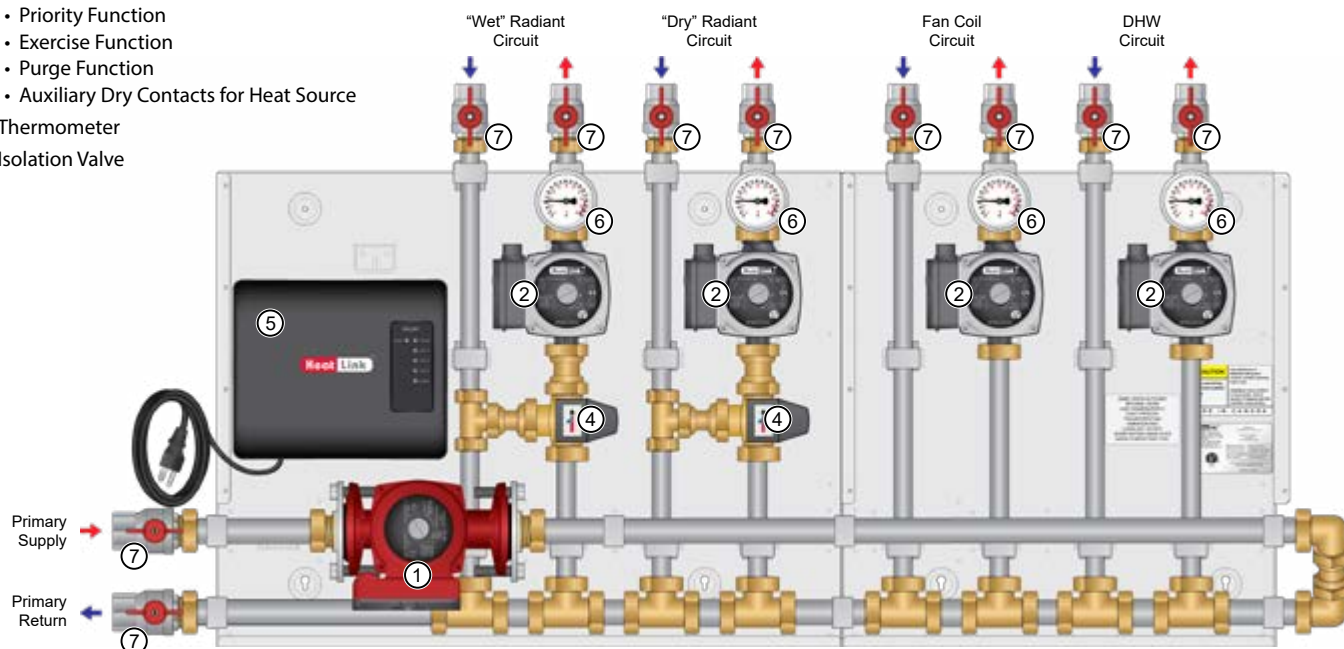
- A demand from the DHW aquastat will send a DHW demand to the Control.
- The Control will turn on the Primary pump (if applicable), Circuit pump, and close the auxiliary contacts.
- The Control will turn off all the other Circuit pump(s) (if running).
- When the DHW demand is removed, the Circuit pump 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.



Common example configurations are listed below.

Please contact your local representative for pricing of other configurations or sizing assistance.

Stk#	Thermostat		Primary Pump			Secondary Circuits					Pkg Qty	Unit	List Price / 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. \$ 6,281.00
TMP-MW1P2DSS	•				•		•			2		1	ea. \$ 7,879.00
TMP-MW1P0DHSS	•		•				•		1	2		1	ea. \$ 7,333.00
TMP-MW1P2DHSS	•				•		•		1	2		1	ea. \$ 8,931.00

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.

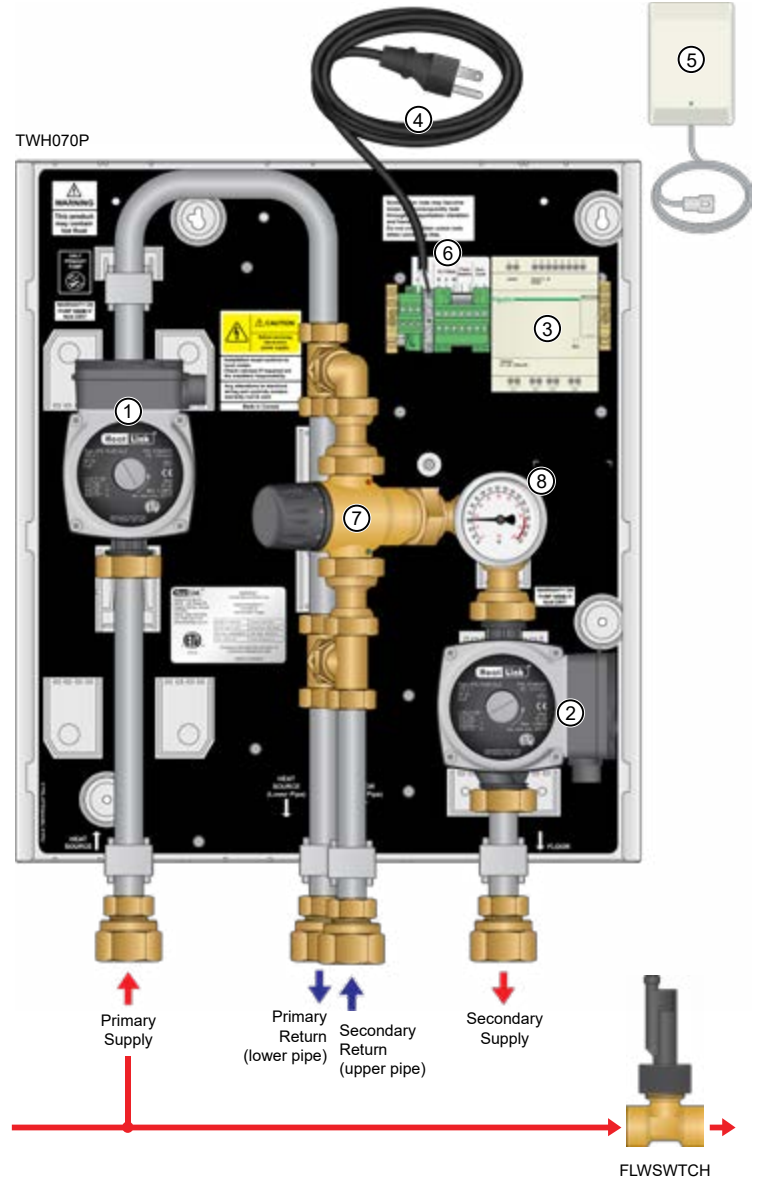
Sequence of operation:

- 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 [SUBFLWSWCH](#).

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.	\$ 4,147.00
TWH070XP	TWH 70MBH HH Tankless Water Heater Mixing Panel (DHW Priority Opt)	1	ea.	\$ 5,965.00
FLWSWCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 307.99

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:

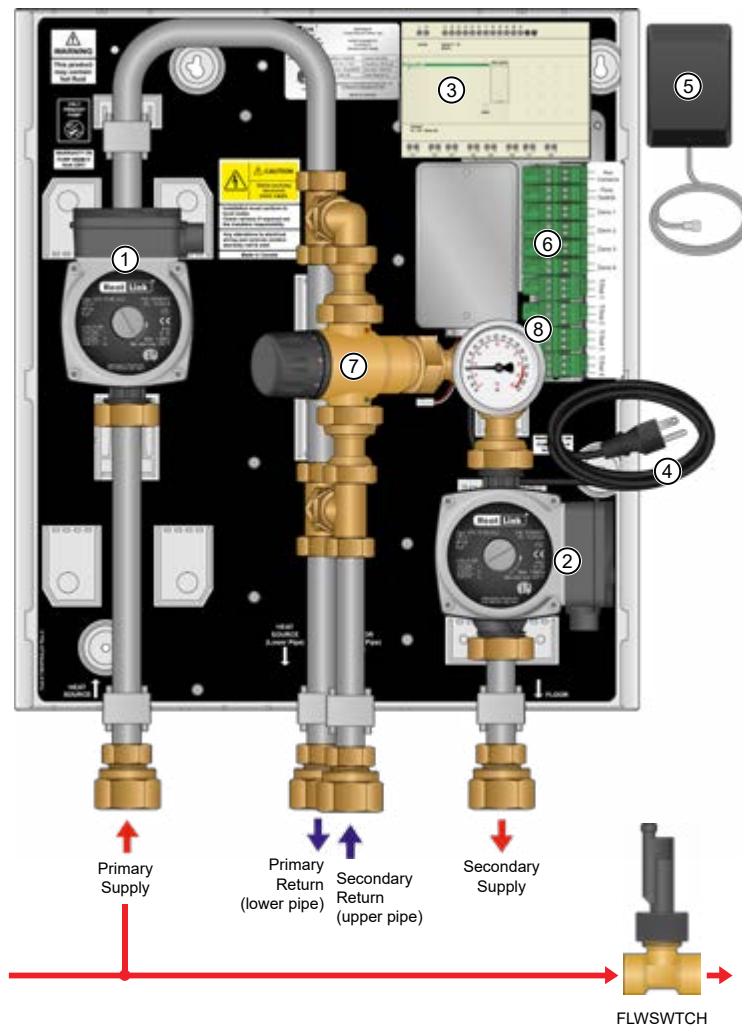
- When a thermostat calls for heat, its internal 24V contacts close, the auxiliary terminals close, both pumps turn on, and its corresponding zone actuator opens.
- As the pump moves fluid through the panel the thermostatic mixing valve adjusts the fluid temperature based on the user settings.
- When the requirements of the thermostat are met, the internal contacts of the thermostat open, 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.	\$ 4,715.00
TWH070XPZ	TWH 70MBH High Head Tankless Water Heater Mixing Panel with Zoning	1	ea.	\$ 6,624.00
FLWSWCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 307.99

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.

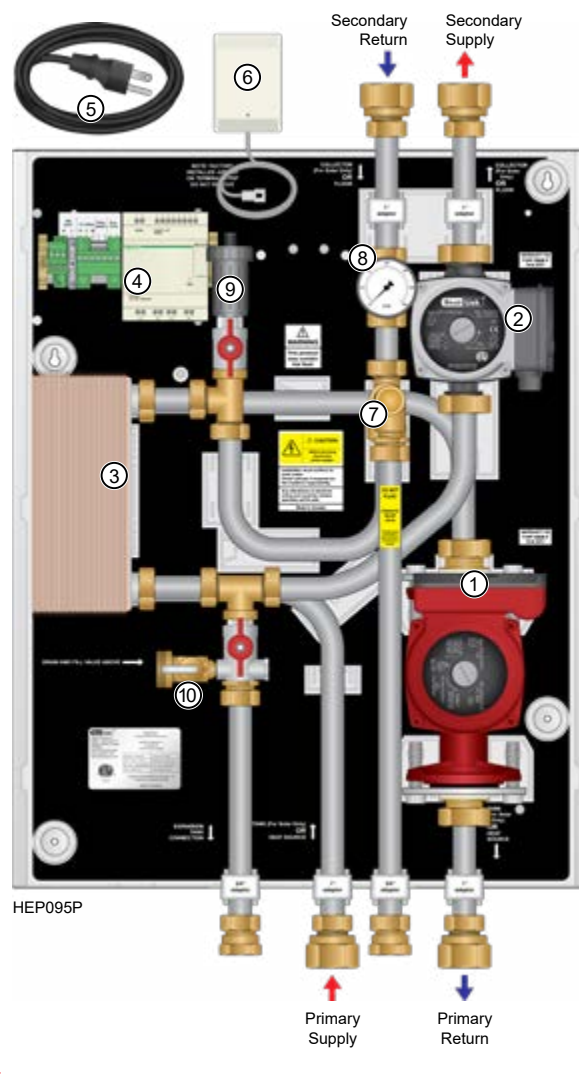
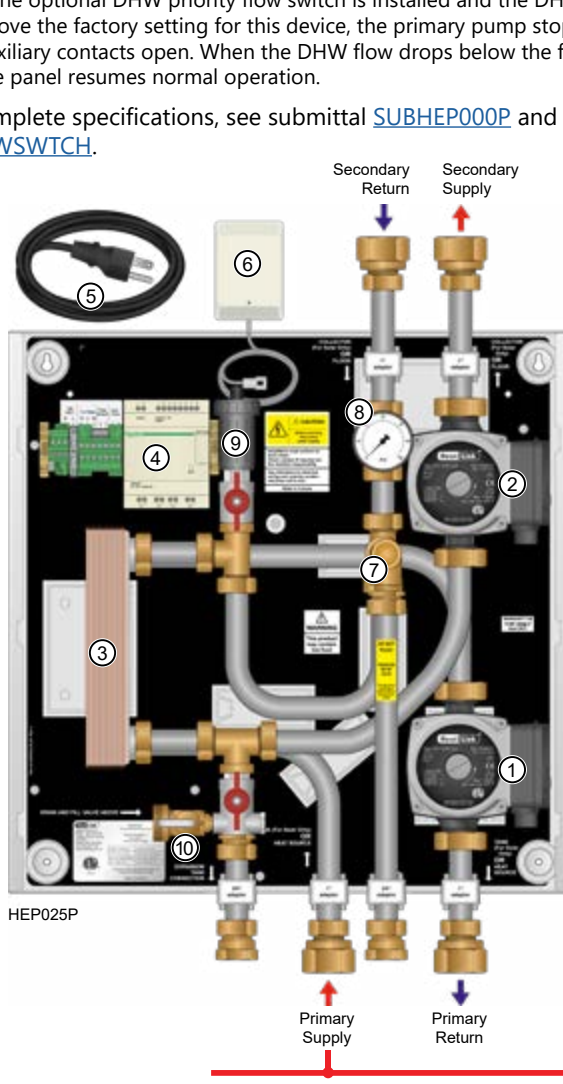
Sequence of operation:

- 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 [SUBFLWSWCH](#).

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)



Stk#	Description	Pkg Qty	Unit	List Price / Unit
HEP025P	HEP 25MBH Isolation Heat Exchanger Panel	1	ea.	\$ 5,244.00
HEP080P	HEP 80MBH Isolation Heat Exchanger Panel	1	ea.	\$ 5,697.00
HEP095P	HEP 95MBH Isolation Heat Exchanger Panel	1	ea.	\$ 7,838.00
FLWSWCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 307.99

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.

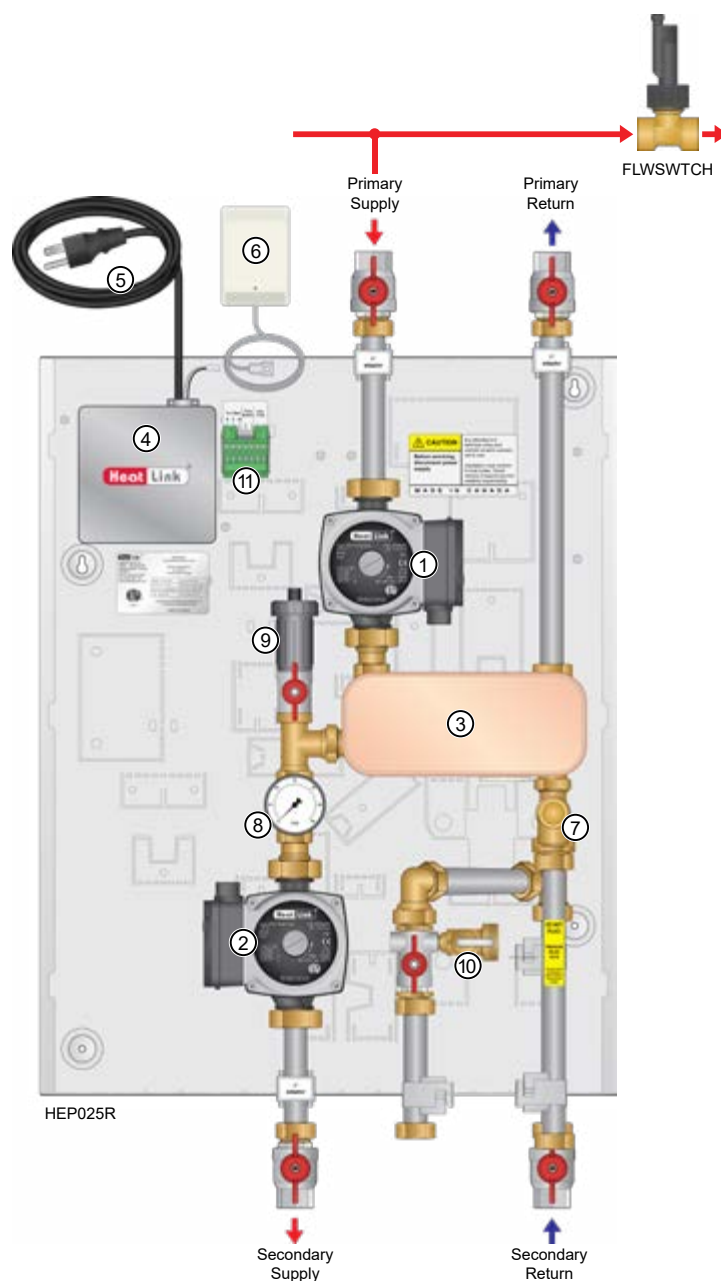
Sequence of operation:

- 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 [SUBFLWSWITCH](#).

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.	\$ 3,828.00
PC2319CVR	Powder Coated Cover 23"x19" for HEP025/80R/T/DP,3WMIX,4WMIX	1	ea.	\$ 334.83
FLWSWITCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 307.99

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.

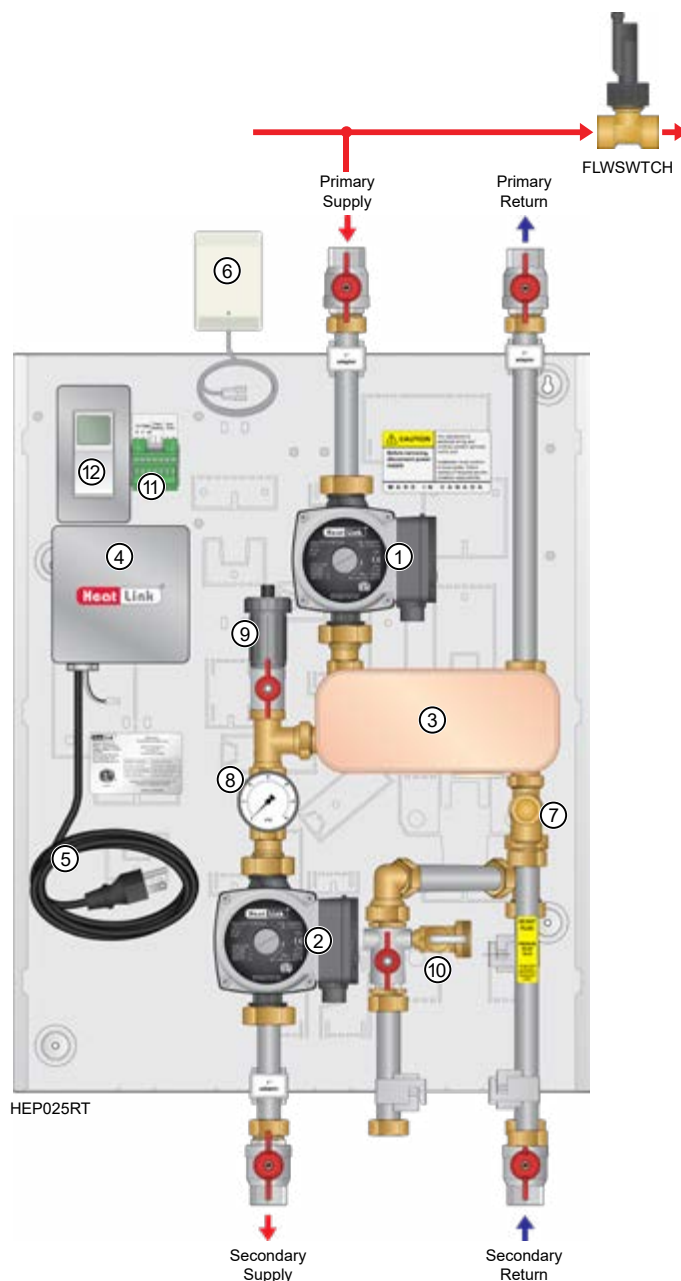
Sequence of operation:

- 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.	\$ 4,037.00
HEP080RT	HEP 80MBH Isolation Heat Exchanger Panel Lite w/Timer	1	ea.	\$ 4,289.00
HEP025RTDP	HEP 25MBH Isolation Heat Exchange Panel Dual Pump w/Timer	1	ea.	\$ 4,974.00
HEP080RTDP	HEP 80MBH Isolation Heat Exchange Panel Dual Pump w/Timer	1	ea.	\$ 5,399.00
PC2319CVR	Powder Coated Cover 23"x19" for HEP025/80R/T/DP,3WMIX,4WMIX	1	ea.	\$ 334.83
FLWSWTCH	Flow Switch for Domestic Hot Water Priority	1	ea.	\$ 307.99

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	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	
108	Metering Series	•	opt	opt	opt	opt	opt								opt				opt
110	SSPS Series		• ¹	• ¹				•							opt		opt		•
110	SSPL Series		• ¹	• ¹				•							opt		opt		•
112	SSTS Series		•					•			•				opt		opt	opt	•
114	SSTL Series		•					•				•			opt	opt	opt	opt	•
118	3WMIX-360		•					•					•			•			
118	3WMIXHH-360		•						•				•			•			
119	3WMIX-BMS		•					•					•				•		
119	3WMIXHH-BMS		•						•				•				•		
120	4WMIX-360		•					•						•		•			
120	4WMIXHH-360		•						•					•		•			
121	4WMIX-BMS		•					•						•			•		
121	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.

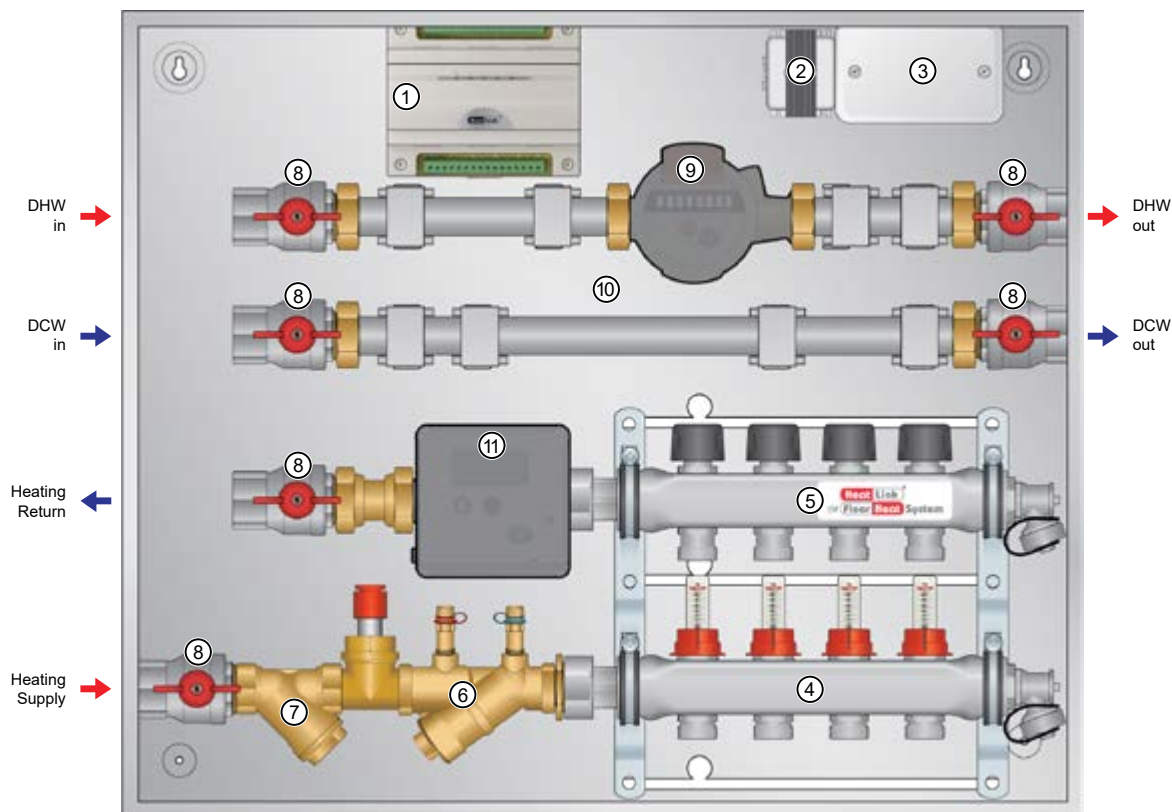
With the addition of thermostats and actuators, the manifold provides an easy way to zone hydronic heating systems. Panels are shipped with spool pieces as placeholders for third party supplied water and thermal meters.

PEX to manifold connectors are sold separately.

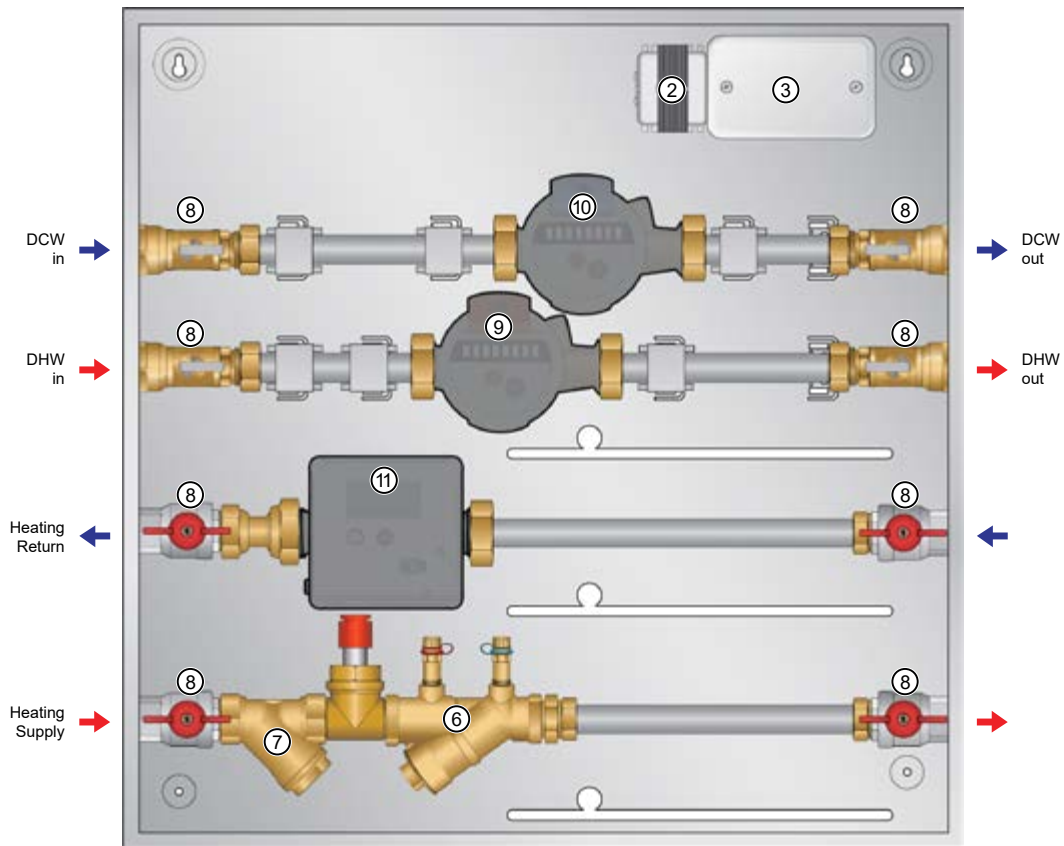
Please contact your local representative for a project quotation and technical specifications.

Panel Components

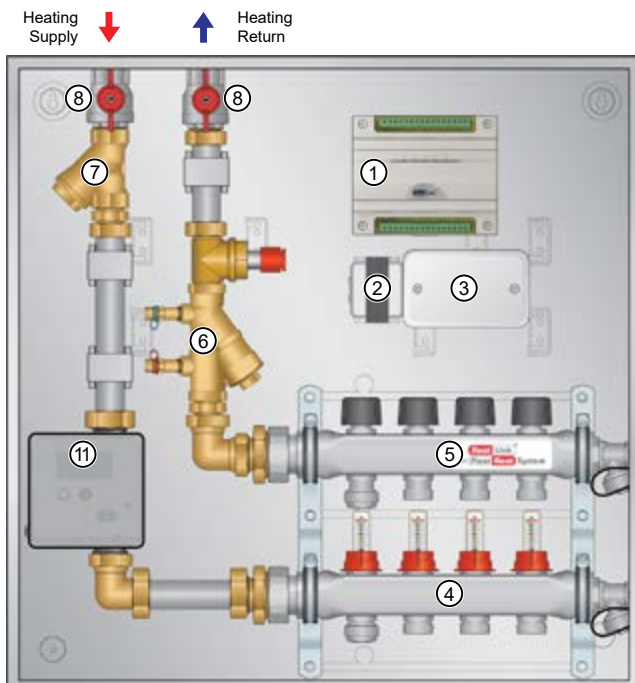
- ① StatLink® Module (optional)
- ② 24Vac Transformer
- ③ 120Vac Junction Box
- ④ Heating Supply Manifold
- ⑤ Heating Return Manifold
- ⑥ Auto Flow Balancing Valve
- ⑦ Y Strainer
- ⑧ Isolation Valve
- ⑨ Hot Water Meter (Not Included - Shown for reference only)
- ⑩ Cold Water Meter (Not Included - Shown for reference only)
- ⑪ BTU Meter (Not Included - Shown for reference only)
- ☒ Panel Cover (not shown)



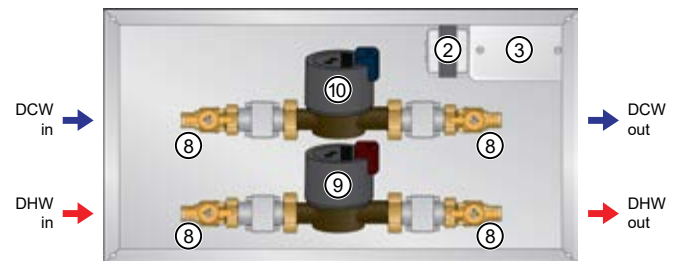
DHW, DCW, and BTU Metering with Manifold



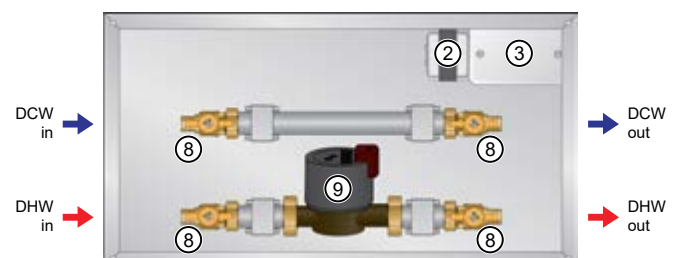
DHW, DCW, and BTU Metering



BTU Metering Top Feed Configuration



DHW and DCW Metering



DHW Metering

SSP - Stainless Steel Manifold Pump Panels SSPxx000x 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.

The base SSP panel includes:

- Recessed or surface mount housing (skirting by others). Visible parts are made of satin coated steel that is ready to paint without priming. Recessed enclosure depth allows for mounting in a 2x6 wall.
- One key lock and one or two coin locks.
- 4, 6, 8, 10, or 12 loop 75100 series SS Manifold with Flow Meters or 75200 series High Flow SS Manifold. One loop is closed and plugged.
- Pre-wired UPS 15-58 or UPS 26-99 pump.
- Top or bottom mains feed available.
- Isolation valves.
- Thermometer.

One of the following control packages is required:

- StatLink® module (thermostats¹):
Add *SSASL*
- BMS (sensors by others):
Add *SSABMS*

Optional factory installed manifold add-ons:

- Pressure activated bypass (#76945):
Add *SSAPB*.
- Side mount automatic air vent (#76944):
Add *SSAAV2*.
- Actuator with LED (#56201) installed on manifold and wired to StatLink® module (SSASL required):
Add *SSAACT* × # of loops; provide a zone summary.

Optional factory housing upgrades:

- Upgrade surface mount housing material to stainless steel:
Add *SSASSE6* (4/6 loops) or
Add *SSASSE10* (8/10 loops) or
Add *SSASSE12* (12 loops).
- Upgrade surface mount housing to extended housing:
Add *SSAEXE6* (4/6 loops) or
Add *SSAEXE10* (8/10 loops).

See [page 116](#) for control and add-on pricing.

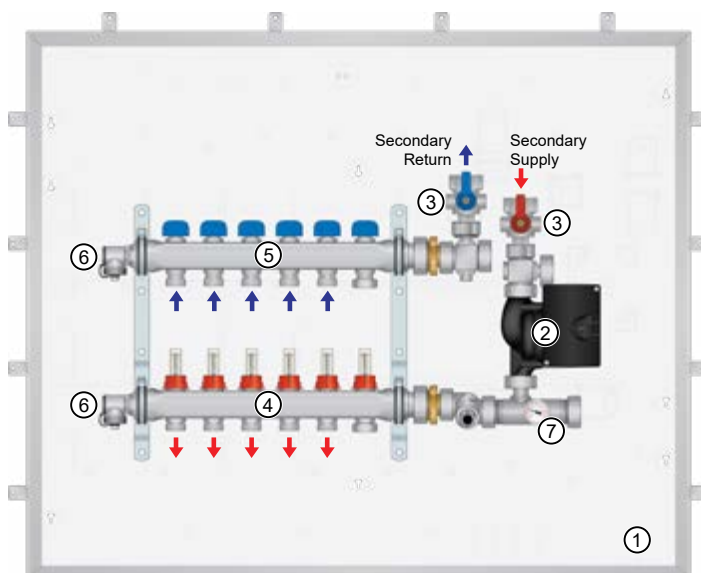
PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUBSSPxx000x](#).

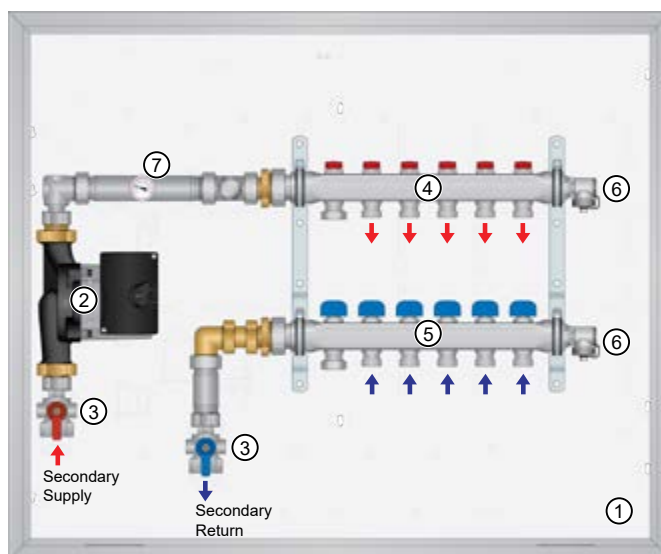
1. Thermostats are sold separately.

Base Panel Components

- | | |
|--------------------|-------------------|
| ① Housing | ⑤ Return Manifold |
| ② Pump | ⑥ Hosebib |
| ③ Isolation Valves | ⑦ Thermometer |
| ④ Supply Manifold | |



SSPSR106T
Recessed housing, 6 loop 76100 series SS Manifold with Flow Meters,
UPS 15-58 pump, top feed.



SSPLS206B
Surface mount housing, 6 loop 76200 series High Flow SS Manifold,
UPS 26-99 pump, bottom feed.

Pricing is for base SSP panel only. One control selection is required. See [page 116](#) for control and add-on pricing.

Stk#	Description	Qty	Unit	List Price / Unit
SSPSR104B	SSP Recessed 4 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed	1	ea.	\$ 4,056.00
SSPSR104T	SSP Recessed 4 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed	1	ea.	\$ 4,056.00
SSPSR106B	SSP Recessed 6 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed	1	ea.	\$ 4,218.00
SSPSR106T	SSP Recessed 6 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed	1	ea.	\$ 4,218.00
SSPSR108B	SSP Recessed 8 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed	1	ea.	\$ 4,688.00
SSPSR108T	SSP Recessed 8 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed	1	ea.	\$ 4,688.00
SSPSR110B	SSP Recessed 10 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed	1	ea.	\$ 4,916.00
SSPSR110T	SSP Recessed 10 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed	1	ea.	\$ 4,916.00
SSPSR112B	SSP Recessed 12 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed	1	ea.	\$ 5,158.00
SSPSR112T	SSP Recessed 12 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed	1	ea.	\$ 5,158.00
SSPSS104B	SSP SURF MNT 4 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed	1	ea.	\$ 4,056.00
SSPSS104T	SSP SURF MNT 4 Loop 1-1/4" SS Man. Small Pump Panel Top Feed	1	ea.	\$ 4,056.00
SSPSS106B	SSP SURF MNT 6 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed	1	ea.	\$ 4,218.00
SSPSS106T	SSP SURF MNT 6 Loop 1-1/4" SS Man. Small Pump Panel Top Feed	1	ea.	\$ 4,218.00
SSPSS108B	SSP SURF MNT 8 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed	1	ea.	\$ 4,688.00
SSPSS108T	SSP SURF MNT 8 Loop 1-1/4" SS Man. Small Pump Panel Top Feed	1	ea.	\$ 4,688.00
SSPSS110B	SSP SURF MNT 10 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed	1	ea.	\$ 4,916.00
SSPSS110T	SSP SURF MNT 10 Loop 1-1/4" SS Man. Small Pump Panel Top Feed	1	ea.	\$ 4,916.00
SSPSS112B	SSP SURF MNT 12 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed	1	ea.	\$ 5,158.00
SSPSS112T	SSP SURF MNT 12 Loop 1-1/4" SS Man. Small Pump Panel Top Feed	1	ea.	\$ 5,158.00
SSPLR104B	SSP Recessed 4 Loop 1-1/4" SS Man. Large Pump Panel Bot. feed	1	ea.	\$ 4,850.00
SSPLR104T	SSP Recessed 4 Loop 1-1/4" SS Man. Large Pump Panel Top feed	1	ea.	\$ 4,850.00
SSPLR106B	SSP Recessed 6 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,010.00
SSPLR106T	SSP Recessed 6 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,010.00
SSPLR108B	SSP Recessed 8 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,482.00
SSPLR108T	SSP Recessed 8 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,482.00
SSPLR110B	SSP Recessed 10 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,708.00
SSPLR110T	SSP Recessed 10 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,708.00
SSPLR112B	SSP Recessed 12 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,948.00
SSPLR112T	SSP Recessed 12 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,948.00
SSPLS104B	SSP SURF MNT 4 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 4,850.00
SSPLS104T	SSP SURF MNT 4 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 4,850.00
SSPLS106B	SSP SURF MNT 6 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,010.00
SSPLS106T	SSP SURF MNT 6 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,010.00
SSPLS108B	SSP SURF MNT 8 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,482.00
SSPLS108T	SSP SURF MNT 8 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,482.00
SSPLS110B	SSP SURF MNT 10 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,708.00
SSPLS110T	SSP SURF MNT 10 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,708.00
SSPLS112B	SSP SURF MNT 12 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,948.00
SSPLS112T	SSP SURF MNT 12 Loop 1-1/4" SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,948.00
SSPLS204B	SSP SURF MNT 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 4,742.00
SSPLS204T	SSP SURF MNT 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 4,742.00
SSPLS206B	SSP SURF MNT 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 4,928.00
SSPLS206T	SSP SURF MNT 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 4,928.00
SSPLS208B	SSP SURF MNT 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,385.00
SSPLS208T	SSP SURF MNT 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,385.00
SSPLS210B	SSP SURF MNT 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,597.00
SSPLS210T	SSP SURF MNT 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,597.00
SSPLS212B	SSP SURF MNT 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,827.00
SSPLS212T	SSP SURF MNT 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,827.00

SSTS - Stainless Steel Manifold Mixing Panels with Small Pump

SSTSx000x Series

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.

The base SSTS panel includes:

- Recessed or surface mount housing (skirting by others). Visible parts are made of satin coated steel that is 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.
- 4, 6, 8, 10, or 12 loop 75100 series SS Manifold with Flow Meters or 75200 series High Flow SS Manifold. One loop is closed and plugged.
- 3-way mixing valve.
- Pre-wired UPS 15-58 pump.
- Top or bottom mains feed available.
- Isolation valves.
- Thermometer.

One of the following control packages is required:

- StatLink® module (thermostats¹) with thermostatic head: Add *SSASL* and *SSATH*
- BMS (sensors by others): Add *SSABMS* and *SSADDC*.
- Snow melt control² (#30654): Add *SSASM654* and *SSADDC*.
- Snow melt control with BACnet² (#31680): Add *SSASMBAC* and *SSADDC*.

Optional factory installed manifold add-ons:

- Pressure activated bypass (#76945): Add *SSAPB*.
- Side mount automatic air vent kit (#76944): Add *SSAAV2*.
- Actuator with LED (#56201) installed on manifold and wired to StatLink® module (SSASL required): Add *SSAACT* × # of loops; provide a zone summary.

Optional factory housing upgrades:

- Upgrade surface mount housing material to stainless steel: Add *SSASSE6* (4/6 loops) or Add *SSASSE10* (8/10 loops) or Add *SSASSE12* (12 loops).
- Upgrade surface mount housing to extended housing: Add *SSAEXE6* (4/6 loops) or Add *SSAEXE10* (8/10 loops).

See [page 116](#) for control and add-on pricing.

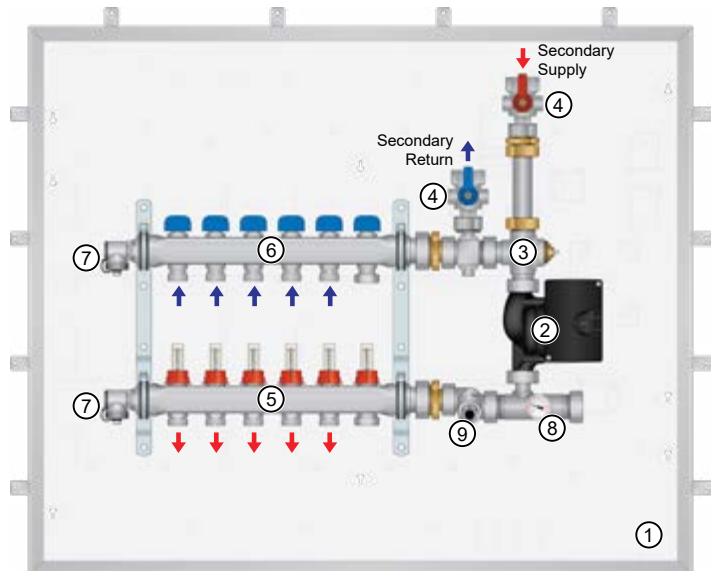
PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUBSSTx000x](#).

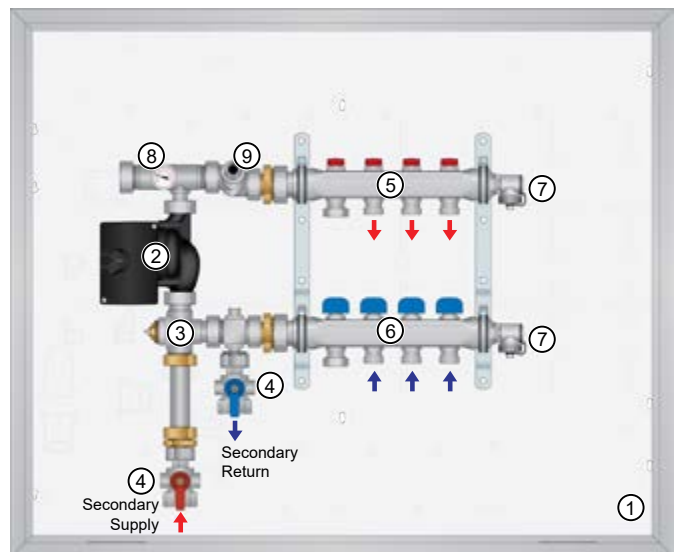
1. Thermostats are sold separately.
2. Only available for 4 loop high flow manifold. Snow/Ice Detector 30090/91 sold separately.

Base Panel Components

- | | |
|----------------------|-------------------|
| ① Housing | ⑥ Return Manifold |
| ② Pump | ⑦ Hosebib |
| ③ 3-Way Mixing Valve | ⑧ Thermometer |
| ④ Isolation Valves | ⑨ Sensor Well |
| ⑤ Supply Manifold | |



SSTSR106T
Recessed housing, 6 loop 76100 series SS Manifold with Flow Meters, UPS 15-58 pump, top feed.



SSTSS204B
Surface mount housing, 4 loop 76200 series High Flow SS Manifold, UPS 15-58 pump, bottom feed.

Pricing is for base SSTS panel only. One control selection is required. See [page 116](#) for control and add-on pricing.

Stk#	Description	Qty	Unit	List Price / Unit
SSTSR104B	SST Recessed 4 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed	1	ea.	\$ 4,508.00
SSTSR104T	SST Recessed 4 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed	1	ea.	\$ 4,508.00
SSTSR106B	SST Recessed 6 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed	1	ea.	\$ 4,670.00
SSTSR106T	SST Recessed 6 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed	1	ea.	\$ 4,670.00
SSTSR108B	SST Recessed 8 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed	1	ea.	\$ 5,138.00
SSTSR108T	SST Recessed 8 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed	1	ea.	\$ 5,138.00
SSTSR110B	SST Recessed 10 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed	1	ea.	\$ 5,364.00
SSTSR110T	SST Recessed 10 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed	1	ea.	\$ 5,364.00
SSTSR112B	SST Recessed 12 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed	1	ea.	\$ 5,608.00
SSTSR112T	SST Recessed 12 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed	1	ea.	\$ 5,608.00
SSTSR204B	SST Recessed 4 Loop 1-1/4" High Flow SS Manifold Small Mixing Panel Bot. Feed	1	ea.	\$ 4,462.00
SSTSR204T	SST Recessed 4 Loop 1-1/4" High Flow SS Manifold Small Mixing Panel Top Feed	1	ea.	\$ 4,462.00
SSTSS104B	SST SURF MNT 4 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed	1	ea.	\$ 4,508.00
SSTSS104T	SST SURF MNT 4 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed	1	ea.	\$ 4,508.00
SSTSS106B	SST SURF MNT 6 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed	1	ea.	\$ 4,670.00
SSTSS106T	SST SURF MNT 6 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed	1	ea.	\$ 4,670.00
SSTSS108B	SST SURF MNT 8 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed	1	ea.	\$ 5,138.00
SSTSS108T	SST SURF MNT 8 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed	1	ea.	\$ 5,138.00
SSTSS110B	SST SURF MNT 10 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed	1	ea.	\$ 5,364.00
SSTSS110T	SST SURF MNT 10 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed	1	ea.	\$ 5,364.00
SSTSS112B	SST SURF MNT 12 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed	1	ea.	\$ 5,608.00
SSTSS112T	SST SURF MNT 12 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed	1	ea.	\$ 5,608.00
SSTSS204B	SST SURF MNT 4 Loop 1-1/4" High Flow SS Manifold Small Mixing Panel Bot. Feed	1	ea.	\$ 4,462.00
SSTSS204T	SST SURF MNT 4 Loop 1-1/4" High Flow SS Manifold Small Mixing Panel Top Feed	1	ea.	\$ 4,462.00

SSTL - Stainless Steel Manifold Mixing Panels with Large Pump SSTLx000x Series

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.

The base SSTL panel includes:

- Recessed or surface mount housing (skirting by others). Visible parts are made of satin coated steel that is ready to paint without priming. Recessed enclosure depth allows for mounting in a 2x6 wall.
- One key lock and one or two coin locks.
- 4, 6, 8, 10, or 12 loop 75100 series SS Manifold with Flow Meters or 75200 series High Flow SS Manifold. One loop is closed and plugged.
- 3-way rotary diverting valve.
- Pre-wired UPS 26-99 pump.
- Top or bottom mains feed available.
- Isolation valves.
- Thermometer.

One of the following control packages is required:

- StatLink® module (thermostats¹) with outdoor reset control (#30360):
Add SSASL, SSAMRC360, and SSAMXM.
- BMS (sensors by others):
Add SSABMS and SSAMXMDDC.
- Snow melt control² (#30654):
Add SSASM654 and SSAMXMDDC.
- Snow melt control with BACnet² (#31680):
Add SSASMBAC and SSAMXM.

Optional factory installed manifold add-ons:

- Pressure activated bypass (#76945):
Add SSAPB.
- Side mount automatic air vent kit (#76944):
Add SSAAV2.
- Actuator with LED (#56201) installed on manifold and wired to StatLink® module (SSASL required):
Add SSAACT x # of loops; provide a zone summary.

Optional factory housing upgrades:

- Upgrade surface mount housing material to stainless steel:
Add SSASSE6 (4/6 loops) or
Add SSASSE10 (8/10 loops) or
Add SSASSE12 (12 loops).
- Upgrade surface mount housing to extended housing:
Add SSAEXE6 (4/6 loops) or
Add SSAEXE10 (8/10 loops).

See [page 116](#) for control and add-on pricing.

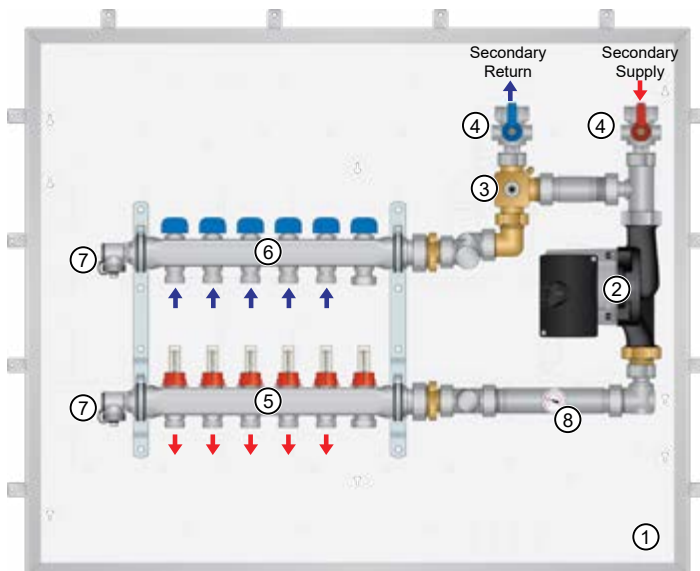
PEX to manifold connectors are sold separately.

For complete specifications, see submittal [SUBSSTxx000x](#).

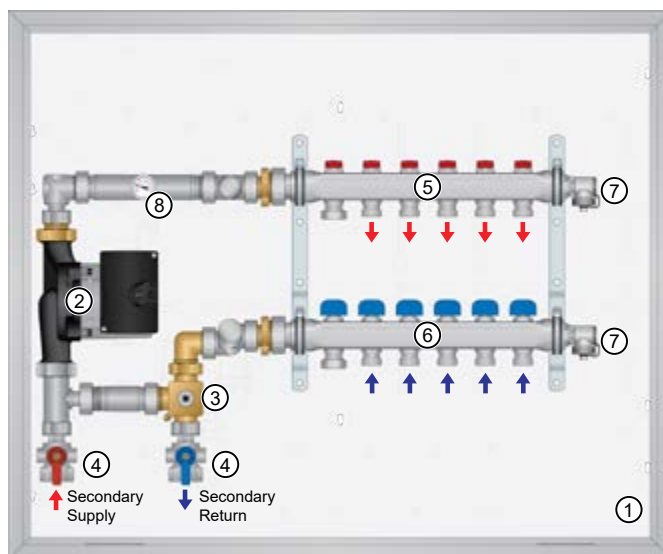
1. Thermostats are sold separately.
2. Snow/Ice Detector 30090/91 sold separately.

Base Panel Components

- | | |
|-------------------------|-------------------|
| ① Housing | ⑥ Return Manifold |
| ② Pump | ⑦ Hosebib |
| ③ 3-Way Diverting Valve | ⑧ Thermometer |
| ④ Isolation Valves | |
| ⑤ Supply Manifold | |



SSTLR106T
Recessed housing, 6 loop 76100 series SS Manifold with Flow Meters, UPS 26-99 pump, top feed.



SSTLS206B
Surface mount housing, 6 loop 76200 series High Flow SS Manifold, UPS 26-99 pump, bottom feed.

Pricing is for base SSTL panels only. One control selection is required. See [page 116](#) for control and add-on pricing.

Stk#	Description	Qty	Unit	List Price / Unit
SSTLR104B	SST Recessed 4 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed	1	ea.	\$ 5,263.00
SSTLR104T	SST Recessed 4 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed	1	ea.	\$ 5,263.00
SSTLR106B	SST Recessed 6 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed	1	ea.	\$ 5,423.00
SSTLR106T	SST Recessed 6 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed	1	ea.	\$ 5,423.00
SSTLR108B	SST Recessed 8 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed	1	ea.	\$ 5,889.00
SSTLR108T	SST Recessed 8 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed	1	ea.	\$ 5,889.00
SSTLR110B	SST Recessed 10 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed	1	ea.	\$ 6,121.00
SSTLR110T	SST Recessed 10 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed	1	ea.	\$ 6,121.00
SSTLR112B	SST Recessed 12 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed	1	ea.	\$ 6,363.00
SSTLR112T	SST Recessed 12 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed	1	ea.	\$ 6,363.00
SSTLR204B	SST Recessed 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,217.00
SSTLR204T	SST Recessed 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,217.00
SSTLR206B	SST Recessed 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,351.00
SSTLR206T	SST Recessed 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,351.00
SSTLR208B	SST Recessed 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,794.00
SSTLR208T	SST Recessed 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,794.00
SSTLR210B	SST Recessed 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 6,008.00
SSTLR210T	SST Recessed 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 6,008.00
SSTLR212B	SST Recessed 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 6,239.00
SSTLR212T	SST Recessed 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 6,239.00
SSTLS104B	SST SURF MNT 4 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed	1	ea.	\$ 5,263.00
SSTLS104T	SST SURF MNT 4 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed	1	ea.	\$ 5,263.00
SSTLS106B	SST SURF MNT 6 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed	1	ea.	\$ 5,423.00
SSTLS106T	SST SURF MNT 6 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed	1	ea.	\$ 5,423.00
SSTLS108B	SST SURF MNT 8 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed	1	ea.	\$ 5,889.00
SSTLS108T	SST SURF MNT 8 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed	1	ea.	\$ 5,889.00
SSTLS110B	SST SURF MNT 10 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed	1	ea.	\$ 6,121.00
SSTLS110T	SST SURF MNT 10 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed	1	ea.	\$ 6,121.00
SSTLS112B	SST SURF MNT 12 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed	1	ea.	\$ 6,363.00
SSTLS112T	SST SURF MNT 12 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed	1	ea.	\$ 6,363.00
SSTLS204B	SST SURF MNT 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,217.00
SSTLS204T	SST SURF MNT 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,217.00
SSTLS206B	SST SURF MNT 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,351.00
SSTLS206T	SST SURF MNT 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,351.00
SSTLS208B	SST SURF MNT 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 5,794.00
SSTLS208T	SST SURF MNT 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 5,794.00
SSTLS210B	SST SURF MNT 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 6,008.00
SSTLS210T	SST SURF MNT 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 6,008.00
SSTLS212B	SST SURF MNT 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed	1	ea.	\$ 6,239.00
SSTLS212T	SST SURF MNT 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed	1	ea.	\$ 6,239.00

Pricing is for SSP and SST panel add-ons. See previous pages for base panel pricing.

SSP/SST Control Add-ons

Stk#	Description	Qty	Unit	List Price / Unit
SSABMS	Installed Wiring for BMS in SSP/SST Panel	1	ea.	\$ 235.00
SSADDC	Installed DDC Actuator 56121 on Mixing Valve in SSTS Panel	1	ea.	\$ 367.00
SSAMRC360	Installed Indoor/Outdoor Reset Control 30360 in SSTL Panel	1	ea.	\$ 2,514.00
SSAMXM	Installed Floating Action Mixing Valve Motor 58131 in SSTL Panel	1	ea.	\$ 1,211.00
SSAMXMDDC	Installed DDC Mixing Valve Motor 58132 in SSTL Panel	1	ea.	\$ 1,317.00
SSASL	Installed StatLink® Module 40414 in SSP/SST Panel	1	ea.	\$ 662.00
SSASLEM	Installed Additional StatLink® Module 40414 in SSP/SST Panel	1	ea.	\$ 321.00
SSASM654	Installed Snow Melt Control 30364 in SST Panel (30090/91 sold sep)	1	ea.	\$ 2,873.00
SSASMBAC	Installed Snow Melt Control 31680 in SST Panel (30090/91 sold sep)	1	ea.	\$ 10,977.00
SSATH	Installed Thermostatic Head 57094 on Mixing Valve in SSTS Panel	1	ea.	\$ 694.00

SSABMS



SSATH



SSADDC



SSAMXM



SSAMXMDDC



SSASL



SSASLEM



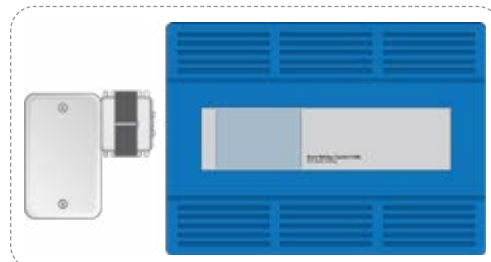
SSAMRC360



SSASM654



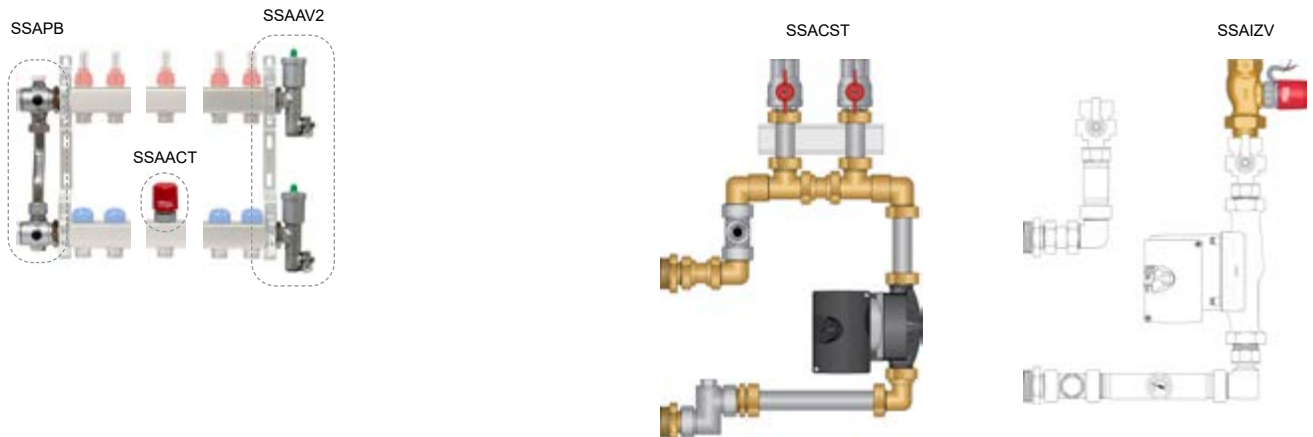
SSASMBAC



Pricing is for SSP and SST panel add-ons. See previous pages for base panel pricing.

SSP/SST Manifold Add-ons

Stk#	Description	Qty	Unit	List Price / Unit
SSAACT	Actuator Mounted on Manifold and Wired to StatLink® in SSP/SST Panel	1	ea.	\$ 183.00
SSAAV2	Installed Side Mount Auto Air Vent Kit 76944 on Manifold in SSP/SST Panel	1	ea.	\$ 320.00
SSAPB	Installed Pressure Bypass 76945 on Manifold in SSP/SST Panel	1	ea.	\$ 392.00



SSP Piping Add-ons

Stk#	Description	Qty	Unit	List Price / Unit
SSACST	Installed Closely Spaced Tees in SSP Panel	1	ea.	\$ 482.00
SSAIZV	SSP Panel Auto Isolation Zone Valve	1	ea.	\$ 353.00

SSP/SST Housing Upgrades

Stk#	Description	Qty	Unit	List Price / Unit
SSASSE6	Upgrade SSP/SST Surface Mount Housing to Stainless Steel 4/6 Loop	1	ea.	\$ 2,852.00
SSASSE10	Upgrade SSP/SST Surface Mount Housing to Stainless Steel 8/10 Loop	1	ea.	\$ 2,964.00
SSASSE12	Upgrade SSP/SST Surface Mount Housing to Stainless Steel 12 Loop	1	ea.	\$ 3,365.00
SSAEXE6	Upgrade SSP/SST Surface Mount Housing to Extended 4/6 Loop	1	ea.	\$ 753.00
SSAEXE10	Upgrade SSP/SST Surface Mount Housing to Extended 8/10 Loop	1	ea.	\$ 931.00

SSAEXE10



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):

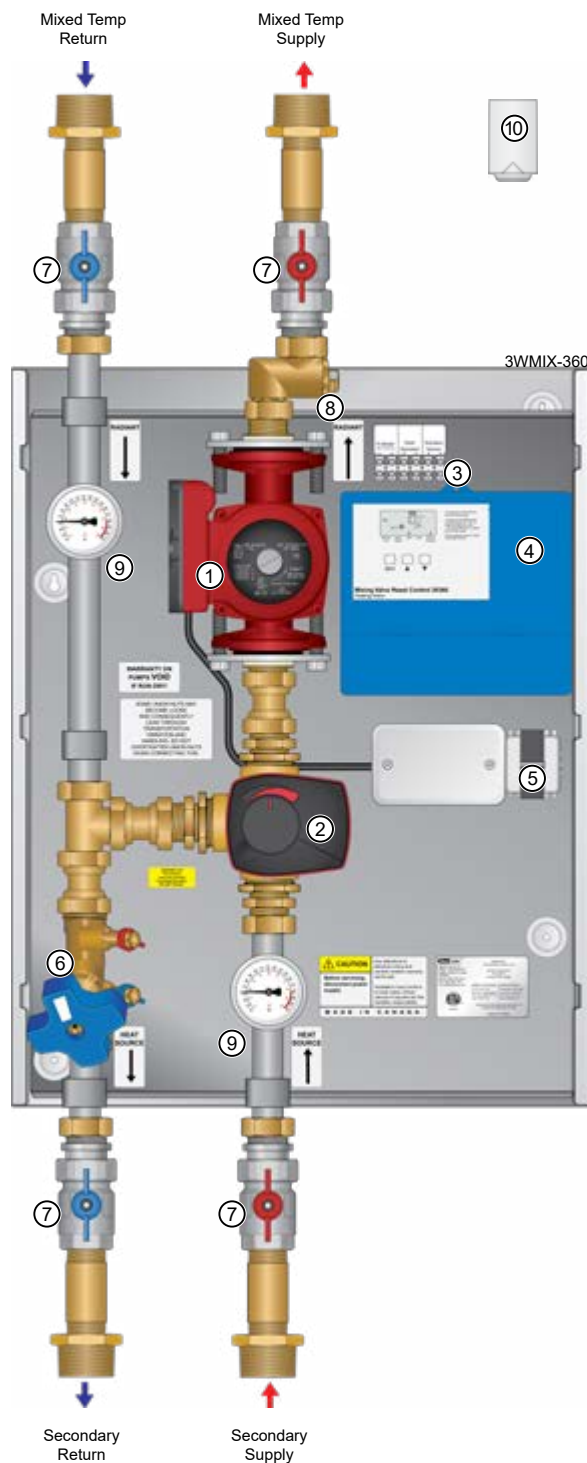
- When the panel receives a heat demand, the 30360 control is activated.
- If the control is not in Warm Weather Shut Down, the control operates the mixing valve, boiler, and pump to maintain an outdoor reset mix target temperature at the mix supply sensor.
- When the heat demand is removed, the control 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 24Vac Terminal Block
 - ④ 30360 Indoor/Outdoor Reset Mixing Control
 - ⑤ 24Vac Transformer
 - 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
New!	3WMIX-360	3-Way Mixing Panel 1-1/4" 26-99 Pump	1	ea.	\$ 9,529.00
New!	3WMIXHH-360	3-Way Mixing Panel 1-1/4" 26-150 Pump	1	ea.	\$ 10,885.00

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):

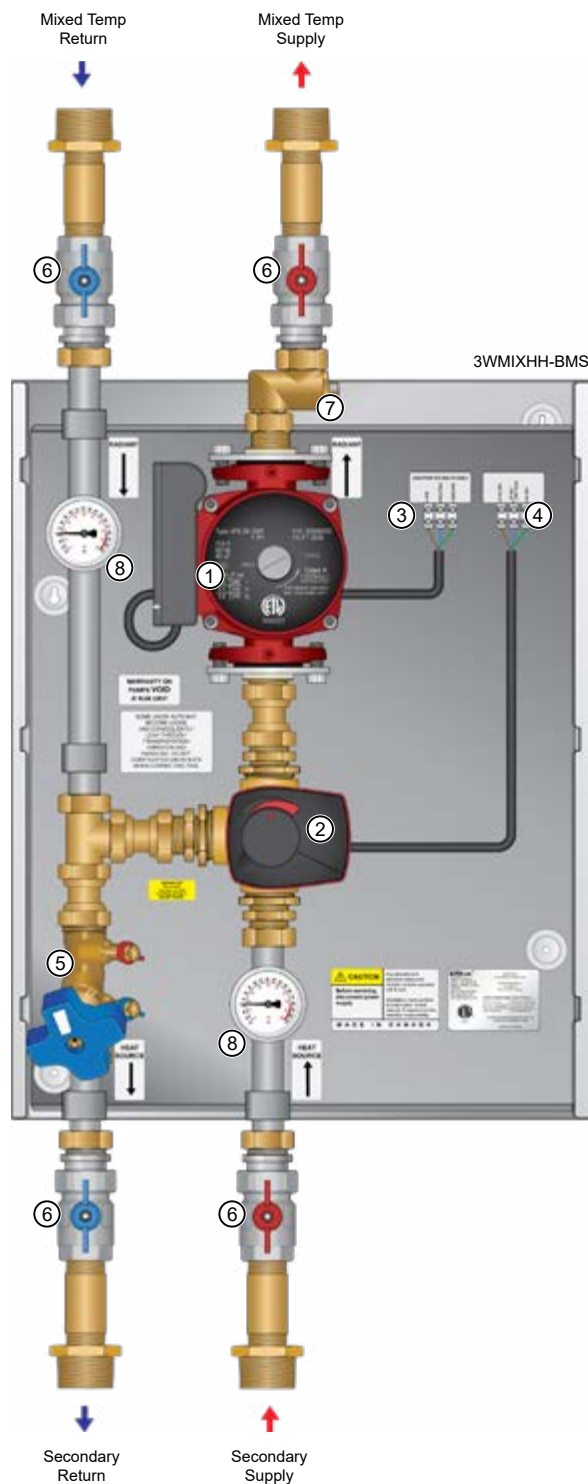
- When the pump terminal block receives 120Vac power, the secondary pump will turn on and circulate the system water.
- The mixing valve motor will open or close the valve to adjust the supply water temperature according to input received at the mixing valve motor terminal block.

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.	\$ 6,542.00
3WMIXHH-BMS	3-Way Mixing Panel 1-1/4" 26-150 Pump BMS	1	ea.	\$ 8,613.00

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.

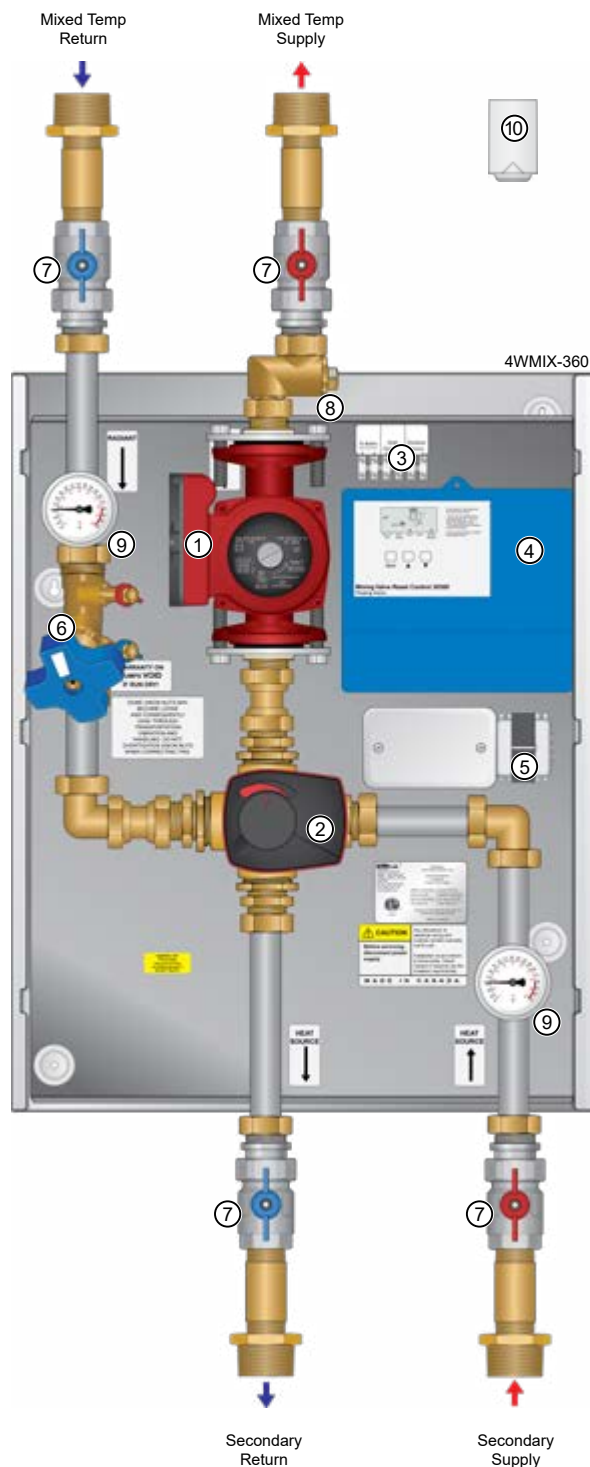
Sequence of operation (Outdoor Reset):

- 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 120Vac Terminal Block
- ④ 30360 Indoor/Outdoor Reset Mixing Control
- ⑤ 24Vac Transformer
- 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
New!	4WMIX-360	4-Way Mixing Panel 1-1/4" 26-99 Pump	1	ea.	\$ 9,529.00
New!	4WMIXHH-360	4-Way Mixing Panel 1-1/4" 26-150 Pump	1	ea.	\$ 10,885.00

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.

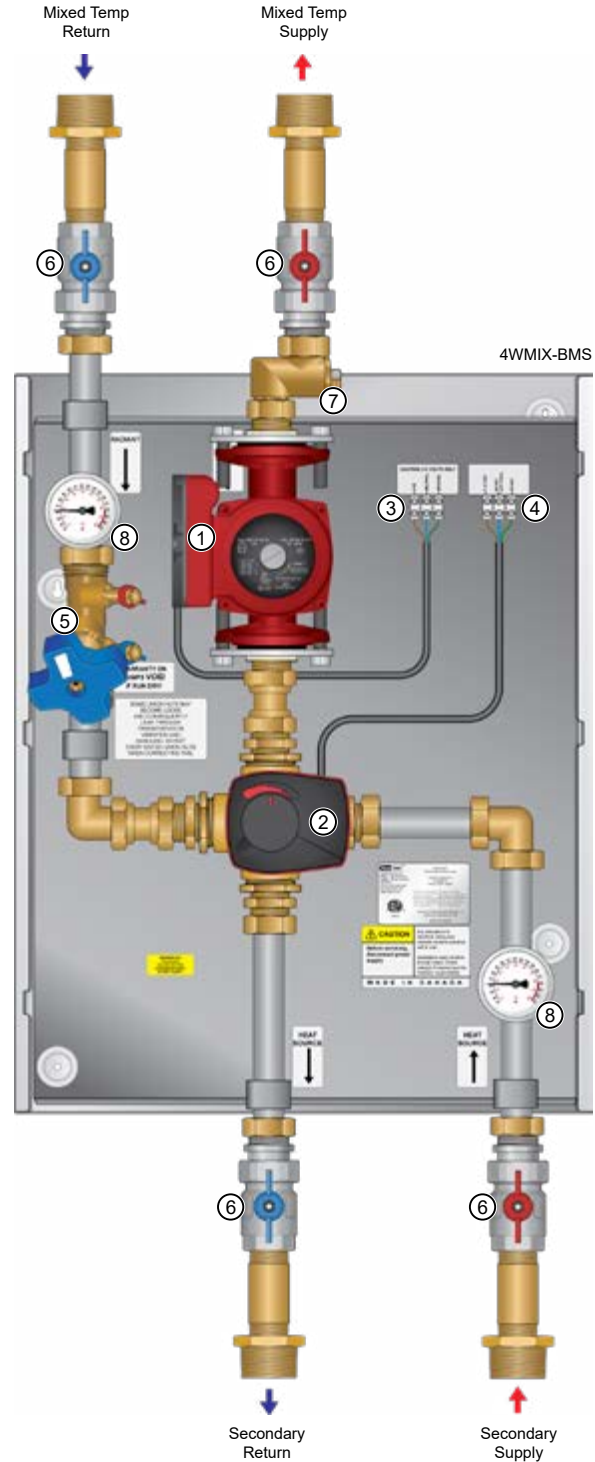
Sequence of operation (BMS):

- 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.	\$ 6,542.00
4WMIXHH-BMS	4-Way Mixing Panel 1-1/4" 26-150 Pump BMS	1	ea.	\$ 8,613.00

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 Option
			3×8-20	3×8-30	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	
123	3WMIX-654						•				•		
123	3WMIXHH-654							•			•		
124	4WMIX-654						•					•	
124	4WMIXHH-654							•				•	
125	4WMIX-SMCP-BAC						•					•	•
125	4WMIX-HH-SMCP-BAC							•				•	•
126	SMP375-654	300			•		•			•			
126	SMP375-654-H	375			•			•		•			
127	SMP175-654-HEX	175	2		•		•			•			
127	SMP300-654-HEX	300		2	•		•			•			
127	SMP300-654-HEX-H	365		3	•			•		•			
127	SMP300-654-HEX-HH	365		3		•		•		•			
128	SMP400D-654	400							•		•		
129	SMP335-654	335	4						•		•		
129	SMP425-654	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.

Standard snow melt control uses Snow/Ice Detector #30090 and Socket #30091 (both sold separately). See [page 130](#) for panel options & accessories.

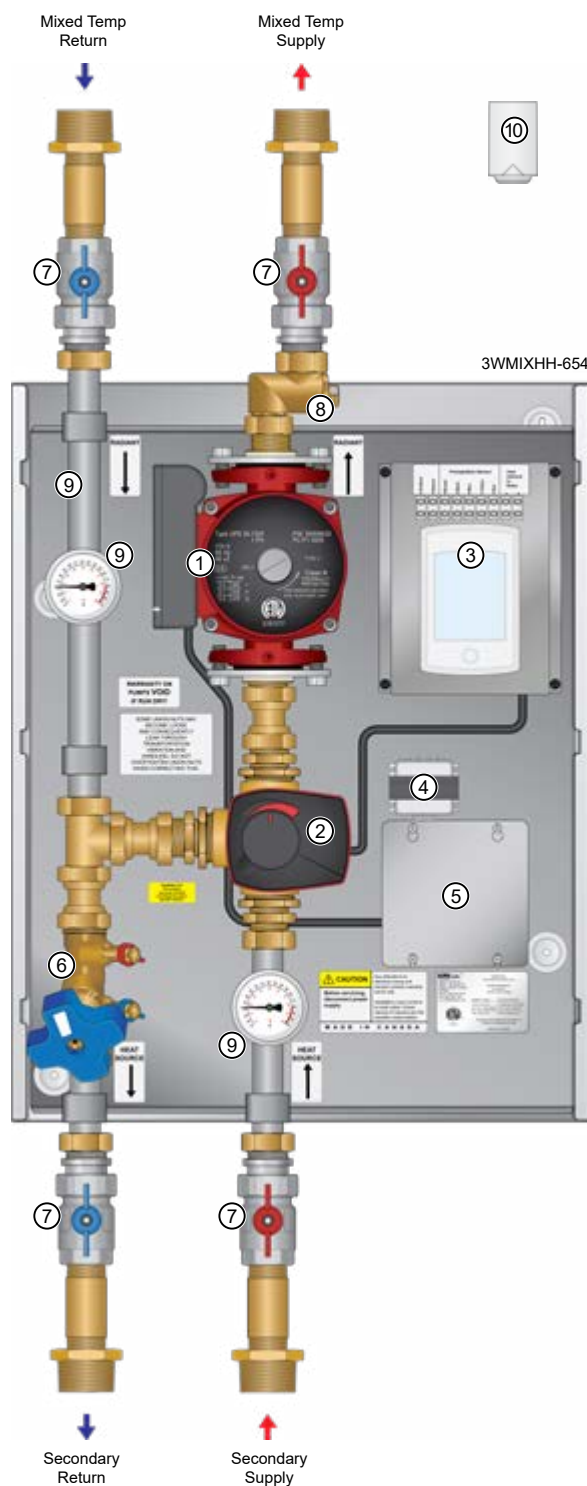
Sequence of operation:

- 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
New!	3WMIX-654	3-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt	1	ea.	\$ 8,856.00
New!	3WMIXHH-654	3-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt	1	ea.	\$ 10,725.00

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.

Standard snow melt control uses Snow/Ice Detector #30090 and Socket #30091 (both sold separately). See [page 130](#) for panel options & accessories.

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
New!	4WMIX-654	4-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt	1	ea.	\$ 8,856.00
New!	4WMIXHH-654	4-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt	1	ea.	\$ 10,725.00

4WMIX-SMCP-BAC 4-Way Mixing Panels w/ BACnet Snow Melt Control 4WMIX-SMCP-BAC 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.

BACnet snow melt control uses Snow/Ice Detector #30090 (sold separately). See [page 130](#) for panel options & accessories.

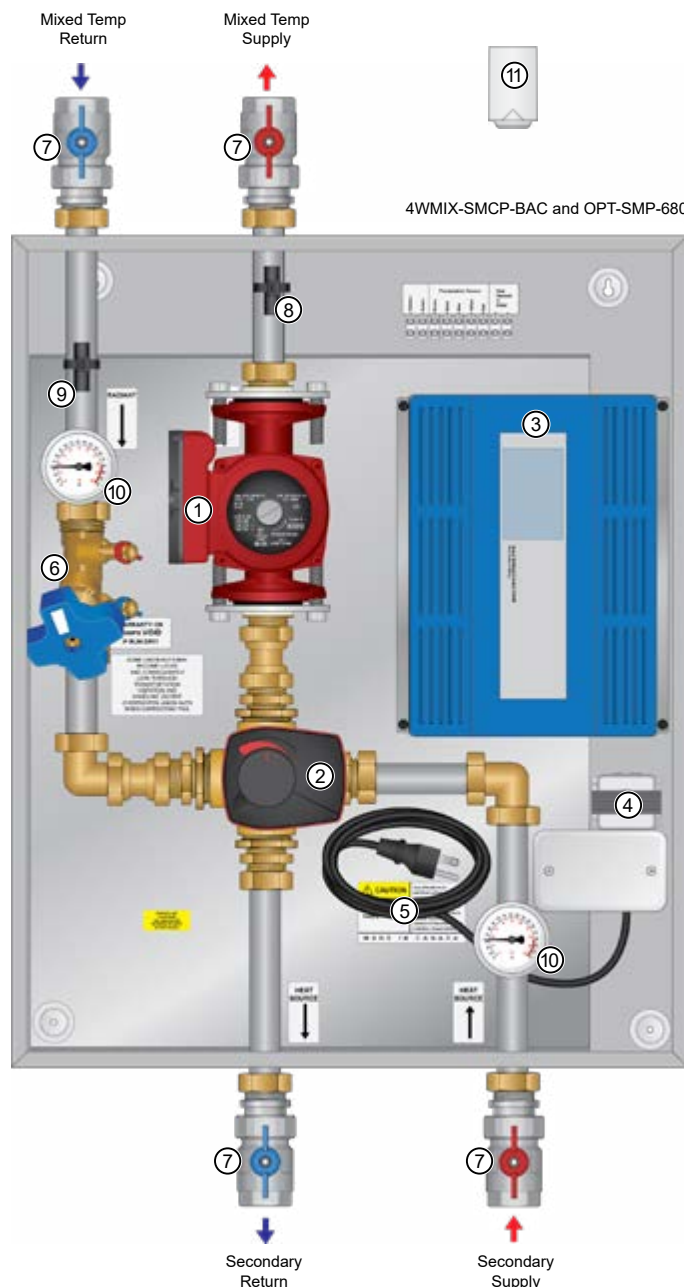
Sequence of operation:

- 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-SMCP-BAC](#).

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
4WMIX-SMCP-BAC	4-Way Mixing Panel 1-1/4" 26-99 Pump Snow Melt (requires OPT-SMP-680)	1	ea.	\$ 9,918.00
4WMIX-HH-SMCP-BAC	4-Way Mixing Panel 1-1/4" 26-150 Pump Snow Melt (requires OPT-SMP-680)	1	ea.	\$ 11,533.00
OPT-SMP-680	Optional SMP Control Upgrade to BMS 680 BACnet (30090,30091 Sold Sep.)	1	ea.	\$ 5,655.00

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.

Standard snow melt control uses Snow/Ice Detector #30090 and Socket #30091 (both sold separately). See [page 130](#) for panel options & accessories.

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

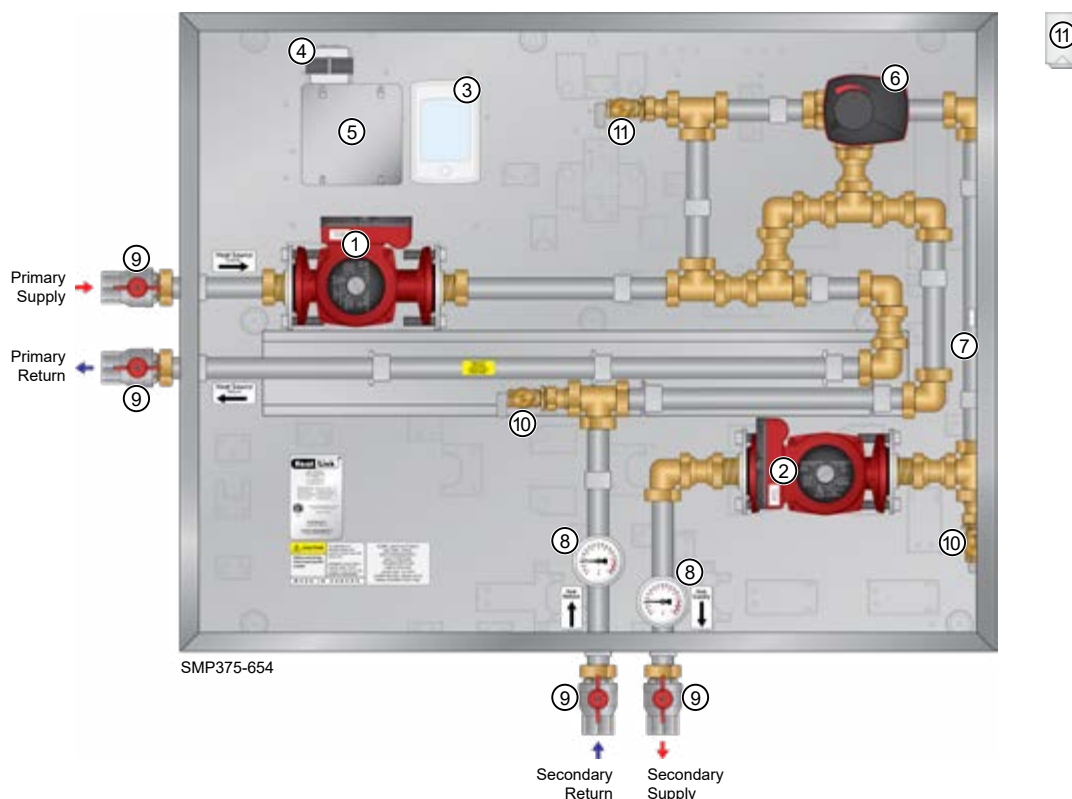
mixing valve to increase the slab surface temperature to the idling temperature.

- 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
New!	SMP375-654	SMP 300MBH SS Snow Melt Panel (No HEX; 30090,30091 sold sep.)	1	ea.	\$ 13,894.00
New!	SMP375-654-H	SMP 375MBH SS Snow Melt Panel with HH Pump (No HEX; 30090,30091 sold sep.)	1	ea.	\$ 15,008.00

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.

Standard snow melt control uses Snow/Ice Detector #30090 and Socket #30091 (both sold separately). See [page 130](#) for panel options & accessories.

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

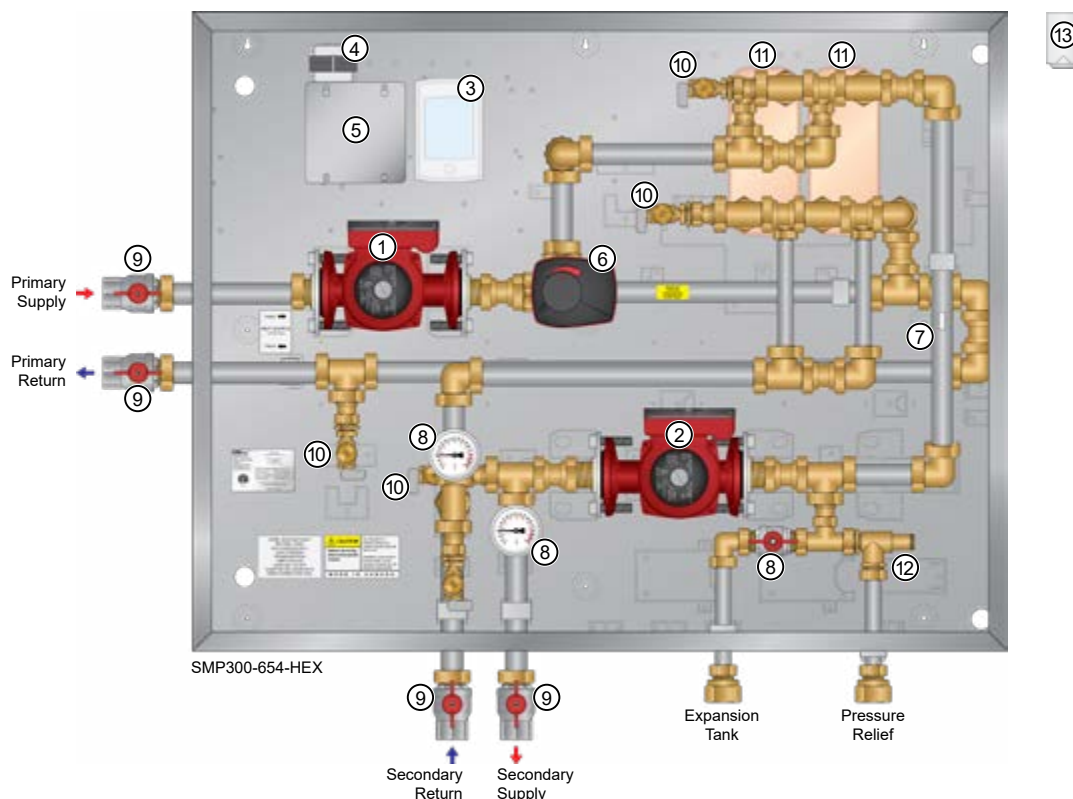
mixing valve to increase the slab surface temperature to the idling temperature.

- 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 | |



SMP300-654-HEX

	Stk#	Description	Pkg Qty	Unit	List Price / Unit
New!	SMP175-654-HEX	SMP 175MBH SS Snow Melt Panel 2×20 HEX (30090,30091 sold sep.)	1	ea.	\$ 17,556.00
New!	SMP300-654-HEX	SMP 300MBH SS Snow Melt Panel 2×30 HEX (30090,30091 sold sep.)	1	ea.	\$ 17,843.00
New!	SMP300-654-HEX-H	SMP 365MBH SS Snow Melt Panel 3×30 HEX & HH Pump (30090,30091 sold sep.)	1	ea.	\$ 19,988.00
New!	SMP300-654-HEX-HH	SMP 365MBH SS Snow Melt Panel 3×30 HEX & 2×HH Pump (30090,30091 sold sep.)	1	ea.	\$ 21,718.00

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.

Standard snow melt control uses Snow/Ice Detector #30090 and Socket #30091 (both sold separately). See [page 130](#) for panel options & accessories.

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 (not shown) | ⑦ Supply Sensor (not shown) | ⑩ Balancing Valve | |
| ④ 24Vac Transformer | | ⑪ Isolation Valve | |



	Stk#	Description	Pkg Qty	Unit	List Price / Unit
New!	SMP400D-654	SMP 400MBH Copper Snow Melt Panel (No HEX; DRVWSNS-SS sold sep)	1	ea.	\$ 30,115.00

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.

Standard snow melt control uses Snow/Ice Detector #30090 and Socket #30091 (both sold separately). See [page 130](#) for panel options & accessories.

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

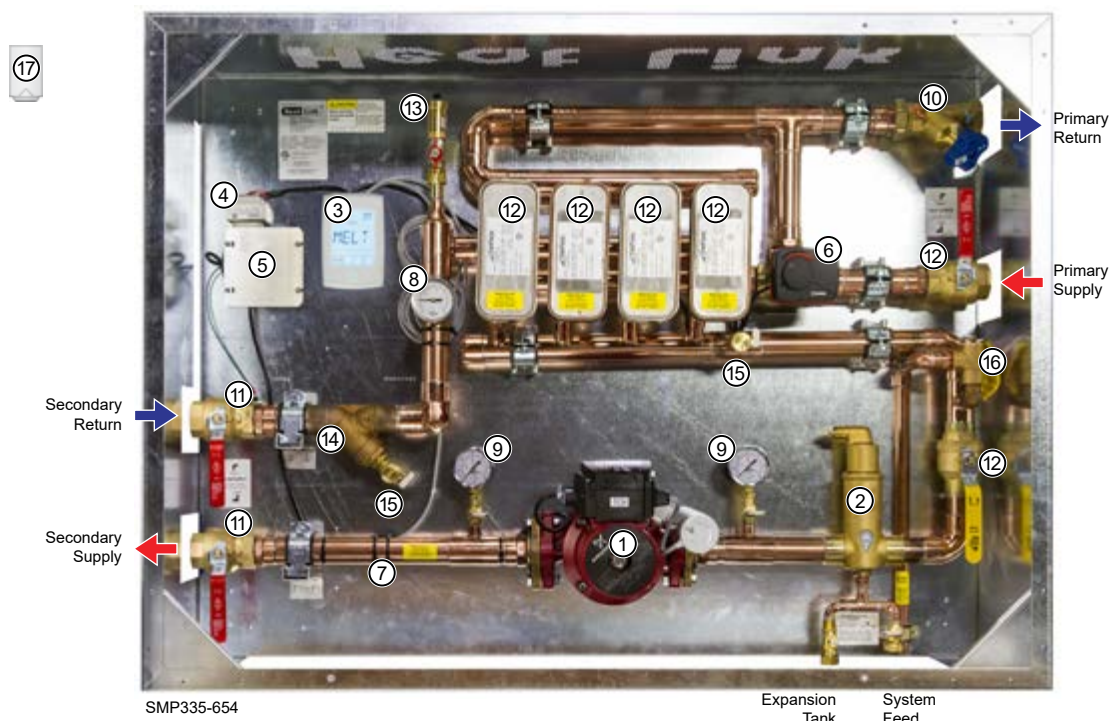
mixing valve to increase the slab surface temperature to the idling temperature.

- 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.

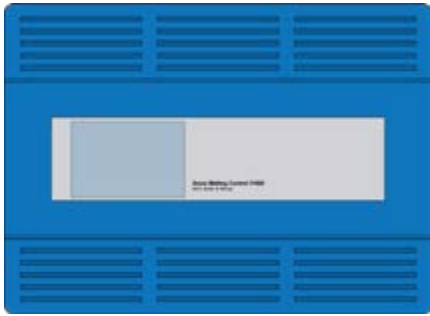
For complete specifications, see submittal [SUBSMP000-654-HEX](#).

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 (not shown) | 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 120Vac 6' Power Cord | | ⑭ Strainer | |



	Stk#	Description	Pkg Qty	Unit	List Price / Unit
New!	SMP335-654	SMP 335MBH Copper Snow Melt Panel 4x20 Plate HEX (DRVWSNS-SS sold sep)	1	ea.	\$ 38,661.00
New!	SMP425-654	SMP 425MBH Copper Snow Melt Panel 4x30 Plate HEX (DRVWSNS-SS sold sep)	1	ea.	\$ 39,447.00



Replace SMCP with 31680 Control for SMP Panels Stk# OPT-SMP-680

Replaces the standard snow melt panel control with 31680 Snow Melt Control 680-BMS BACnet ([page 77](#)).

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

Stk#	Description	Pkg Qty	Unit	List Price / Unit
OPT-SMP-680	Optional SMP Control Upgrade to BMS 680 BACnet (30090,30091 Sold Sep.)	1	ea.	\$ 5,655.00



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.	\$ 2,018.03
30091	Snow/Ice Sensor Socket	1	ea.	\$ 458.63



J-Clips 12000 Series

Fasten tubing to joists.

For complete specifications, see submittal [SUB12000](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
12005	½" J-Clip	100	2000	ea.	\$ 0.19
12022	¾" J-Clip	100	1000	ea.	\$ 0.23
12028	1" J-Clip	50	500	ea.	\$ 0.37



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.	\$ 1.97
86122	Plastic Bend Support for ¾" Tubing	1	400	ea.	\$ 3.70



Metal Drop Ear Bend Support Stk# 86255

Allows for easy bending support and removal of a PEX tubing stub out from a wall or floor.

For complete specifications, see submittal [SUB86255](#).

Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
86255	Metal Drop Ear Bend Support for ½" Tubing	25	100	ea.	\$ 8.08



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
New!	88205	½" 9ft PEX-a Tubing Support	5		ea.	\$ 24.96
New!	88222	¾" 9ft PEX-a Tubing Support	5		ea.	\$ 28.08
New!	88228	1" 9ft PEX-a Tubing Support	5		ea.	\$ 30.05
New!	88235	1-¼" 9ft PEX-a Tubing Support	5		ea.	\$ 37.20
New!	88241	1-½" 9ft PEX-a Tubing Support	5		ea.	\$ 42.18
New!	88254	2" 9ft PEX-a Tubing Support	5		ea.	\$ 48.05



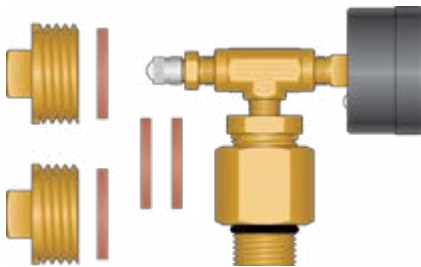
HeatLink® Strap-on Thermometer Stk# 76940

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.	\$ 43.76



Pressure Test Kit Stk# 79935

Pressure test kit for use with heating manifolds.

TwistSeal® - replaces automatic air vent on cross tee for testing purposes.

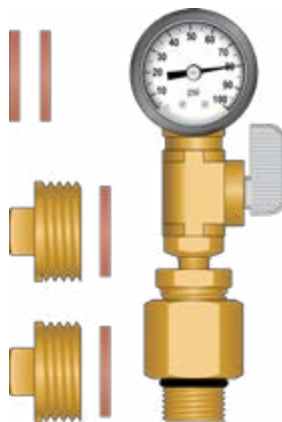
Stainless Steel - replaces a flow meter or hose bib for testing purposes.

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.	\$ 230.82



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.	\$ 265.41

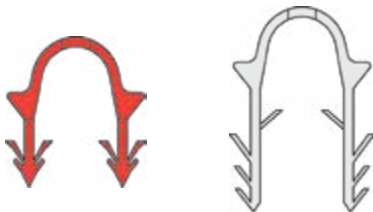


HeatLink® Deluxe Staple Gun Stk# 10230

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.	\$ 688.82



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	\$ 75.54
89252	300× 2" Staples for HeatLink® Deluxe Staple Gun	1	10	box	\$ 93.28



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× 2-3/4" (60mm) Staples for Stand-up Stapler	1	20	box	\$ 70.18



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.	\$ 803.34



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.	\$ 22.85



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.	\$ 37.24



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.	\$ 17.70



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.	\$ 14.97



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.	\$ 66.86
79952	10g Bottle Non-toxic Silicone O-ring Lubricant	1		ea.	\$ 13.83



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.	\$ 382.26
11322	¾" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 382.26
11325	½" & ¾" Combo Standard Press Tool for SS Sleeve	1	10	ea.	\$ 582.56
11328	1" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 590.91
11335	1-¼" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 1,000.61
11341	1-½" Standard Press Tool for SS Sleeve	1	10	ea.	\$ 1,143.33



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.	\$ 423.07
11434	¾" Confined Space Press Tool	1	20	ea.	\$ 423.07



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.	\$ 4,721.87



11505



11541

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:

- Nibco PC-20M Mini
- Nibco PC-10M Mini
- 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	10	ea.	\$ 611.42
11522	¾" Jaws for Slim-line Power Press Tool	1	10	ea.	\$ 611.42
11528	1" Jaws for Slim-line Power Press Tool	1	10	ea.	\$ 660.14
11535	1-¼" Jaws for Slim-line Power Press Tool	1	10	ea.	\$ 663.85
11541	1-½" Jaws for Slim-line Power Press Tool	1	10	ea.	\$ 738.22



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 ½" 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.	\$ 6,641.95

Jaws for Power Press Tool with Pistol Grip 11600 Series

Jaws compatible with the following third-party tools:

- 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
- 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](#).

























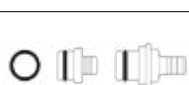




11628

































11654W







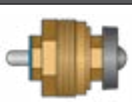
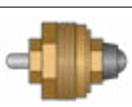
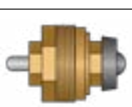





Stk#	Description	Pkg Qty	Carton Qty	Unit	List Price / Unit
11605	½" Jaws for Power Press Tool with Pistol Grip	1	10	ea.	\$ 694.49
11622	¾" Jaws for Power Press Tool with Pistol Grip	1	10	ea.	\$ 709.23
11628	1" Jaws for Power Press Tool with Pistol Grip	1	10	ea.	\$ 752.54
11635	1-¼" Jaws for Power Press Tool with Pistol Grip	1	12	ea.	\$ 752.54
11641	1-½" Jaws for Power Press Tool with Pistol Grip	1	8	ea.	\$ 757.32
11654W	2" Jaws for Power Press Tool with Pistol Grip	1		ea.	\$ 1,559.88















	Stk#	Description	Qty	Unit	List Price / Unit
TwistSeal® (55mm) Manifold					
	78401	TwistSeal® Deluxe (55mm) Zone Valve Supply Module (c/w o-ring)	1	ea.	\$ 143.39
	78402	TwistSeal® Deluxe (55mm) Balancing Return Module (c/w o-ring)	1	ea.	\$ 134.58
	78411	TwistSeal® (55mm) Zone Valve Replacement Cartridge c/w O-ring	1	ea.	\$ 94.66
	78911	TwistSeal® (55mm) Zone Valve Upgrade Assembly - <i>While Supplies Last</i>	1	ea.	\$ 93.27
	78912	TwistSeal® (55mm) Balance Valve Assembly - <i>While Supplies Last</i>	1	ea.	\$ 72.45
	78924	O-ring for TwistSeal® (55mm) Manifold Module O-ring #223.	5	ea.	\$ 4.77
	79901	TwistSeal® (55mm) Closed End Cap Self-sealing end piece which closes manifold.	1	ea.	\$ 16.54
	79902	1" TwistSeal® (55mm) Supply End Connection Self-sealing end-piece with 1" FNPT brass insert. (c/w o-ring).	1	ea.	\$ 94.27
	79908	TwistSeal® (55mm) Cross Tee	1	ea.	\$ 55.93
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.	\$ 94.64
	78211	TwistSeal® Mini Deluxe (40mm) Balancing Return Module	1	ea.	\$ 96.98
	78221	TwistSeal® Mini (40mm) Zone Valve Replacement Cartridge c/w O-ring For TwistSeal® Mini (40 mm) shut-off modules.	1	ea.	\$ 46.87
	78311	TwistSeal® Mini Z.V. Rplcmnt. Cartridge for MultiportModule	1	ea.	\$ 32.12
	78312	TwistSeal® Mini Flow Meter Replacement Cartridge for 78300 Modules	1	ea.	\$ 59.63
















	Stk#	Description	Qty	Unit	List Price / Unit
	78811	TwistSeal® Mini (40mm) Z.V. Upgrade Asmbl. - <i>While Supplies Last</i> Upgrade TwistSeal® Mini (40 mm) valveless or compression stop modules so they can accept an actuator.	1	ea.	\$ 77.72
	78812	TwistSeal® Mini (40mm) Balance Valve Assembly - <i>While Supplies Last</i> For TwistSeal® Mini (40 mm) modules.	1	ea.	\$ 72.85
	78923	O-ring for TwistSeal® Mini (40mm) & EasyFit™ Manifold Modules O-ring #123.	5	ea.	\$ 3.04
	79801	TwistSeal® Mini (40mm) Closed End Cap Self-sealing end-piece which closes manifold.	1	ea.	\$ 11.59
	79808	TwistSeal® Mini (40mm) Cross Tee c/w O-ring - <i>While Supplies Last</i> (c/w o-ring)	1	ea.	\$ 30.53
	79815	1" TwistSeal® Mini (40mm) Union Cross Tee End Connection (c/w o-ring)	1	ea.	\$ 97.31
	79942	Pair Thermometers for TwistSeal® Mini Union Cross Tee End Connection	1	pair	\$ 63.02
	79953	Red Rubber Gasket for 1" Union End Connection (40mm) Air Tests - <i>While Supplies Last</i>	1	pair	\$ 9.62
	79954	Gasket for TwistSeal® Mini (40mm) 1" Union Supply End Connection	1	pair	\$ 9.13
TwistSeal® (40 & 55mm) Manifold					
	77012	3/8" PEX to TwistSeal® Manifold Connector - <i>While Supplies Last</i>	1	pair	\$ 30.24
	77729	O-ring for PEX to TwistSeal® Manifold Connector 15×2mm o-ring for use with #77000 Series & #23000 Series.	10	ea.	\$ 1.41
	78902	Plastic Nut for TwistSeal® Manifold Modules	1	ea.	\$ 10.19
	78904	Shut-off Cap TwistSeal® - Red - <i>While Supplies Last</i>	1	ea.	\$ 8.02
	78905	TwistSeal® Zone Actuator Base (40mm & 55mm) - <i>While Supplies Last</i>	1	ea.	\$ 3.55
	78906	Balancing Valve Cap with Clip for TwistSeal® Manifold - <i>While Supplies Last</i>	1	ea.	\$ 18.00








	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.	\$ 1.14
	78922	O-ring for TwistSeal [®] Balancing Shaft - 6×2mm (Cone Side) - <i>While Supplies Last</i>	5	ea.	\$ 2.70
	79911	1/2" Cross Tee Plug For use with Cross Tee, comes complete with o-ring.	1	ea.	\$ 4.18
	79930	Metal Hose Bib System can easily be charged at manifold location. For use with the Cross Tee.	1	ea.	\$ 97.85
	79931	Manual Air Vent Used for manually removing air from system. For use with the Cross Tee.	1	ea.	\$ 14.47
	79932	Metal Automatic Air Vent Automatically removes air from system. For use with Cross Tee.	1	ea.	\$ 80.67
	79933	Manual Air Vent Key - 5mm Square, Blue Opens the manual air vent (#79931).	1	ea.	\$ 3.65
	79934	Plastic Hose Bib System can easily be charged at manifold location. For use with the Cross Tee.	1	ea.	\$ 37.75
	79936	Plastic Automatic Air Vent Automatically removes air from system. For use with Cross Tee.	1	ea.	\$ 30.48
	79940	Pair Thermometers c/w Well for TwistSeal [®] Manifolds	1	pair	\$ 144.96
	79955	O-ring for 1/2" Cross Tee Accessories - <i>While Supplies Last</i> O-ring #115.	5	ea.	\$ 0.84
1-1/4" Stainless Steel Manifold					
	76100	76100 & 76200 series Coupling for 1-1/4" Stainless Steel Manifold - <i>While Supplies Last</i>	1	ea.	\$ 57.04
	76101	76100 & 76200 series Mounting Bracket for 1-1/4" SS Manifold - <i>While Supplies Last</i>	1	ea.	\$ 46.77
	76905	76100 & 76200 series 1/2" Plug for 1-1/4" Stainless Steel Manifold - <i>While Supplies Last</i>	1	ea.	\$ 11.22
	76911	76100 & 76200 series Zone Valve Insert for 1-1/4" SS Manifold (Return) - <i>While Supplies Last</i>	1	ea.	\$ 38.53

	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.	\$ 29.64
	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.	\$ 69.22
	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.	\$ 66.04
	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.	\$ 14.01
	76919	76100 & 76200 series Connector Base for 1-1/4" SS Manifold - <i>While Supplies Last</i> Not compatible with #76916 Flow Meter with Lock Nut.	1	ea.	\$ 14.04
	76922	76100 & 76200 series 1" Ball Valve Set for 1-1/4" SS Manifold - <i>While Supplies Last</i>	1	set	\$ 296.59
	76924	76100 & 76200 series O-ring for 1-1/4" SS Manifold Coupling and End Connections - <i>While Supplies Last</i>	1	ea.	\$ 3.90
	76925	76100 & 76200 series Black Shut-off Cap for 1-1/4" SS Manifold - <i>While Supplies Last</i>	1	ea.	\$ 6.80
	76930	Hose Bib for 1-1/4" SS Manifold	1	ea.	\$ 64.30
	76935	76100 & 76200 series Side Mount Automatic Air Vent Set for 1-1/4" Stainless Steel Manifold - <i>While Supplies Last</i>	1	ea.	\$ 123.06
	77120	20mm PEX to 1-1/4" SS Manifold Connector	1	pair	\$ 36.38
	77739	O-ring for PEX to 1-1/4" SS Manifold Connector - <i>While Supplies Last</i> 14x2.5 o-ring for 1/2" and 3/8" connectors.	10	ea.	\$ 2.28
2" Stainless Steel Manifold					
	76600	Coupling for 2" SS Manifold - <i>While Supplies Last</i>	1	pair	\$ 167.05
	76680	O-ring for 2" SS Manifold, Closed End, and Open End Adapters - <i>While Supplies Last</i>	1	ea.	\$ 5.37
	77600	O-Ring for 2" Manifold PEX Connectors - <i>While Supplies Last</i>	1	ea.	\$ 1.60

	Stk#	Description	Qty	Unit	List Price / Unit
	77619	5/8" PEX to 2" SS Manifold Connector - <i>While Supplies Last</i>	1	pair	\$ 59.62
	77622	3/4" PEX to 2" SS Manifold Connector - <i>While Supplies Last</i>	1	pair	\$ 59.80
	77628	1" PEX to 2" SS Manifold Connector - <i>While Supplies Last</i>	1	pair	\$ 80.95
Valves - 3-Way Mixing					
	63026.1	1" 3- & 4-Way Valve Shaft & Seal Kit	1	ea.	\$ 127.30
	63542.1	1-1/4" and 1-1/2" 3- & 4-Way Valve Shaft & Seal Kit	1	ea.	\$ 110.39
	63551.1	2" 3- & 4-Way Valve Shaft & Seal Kit	1	ea.	\$ 110.39
Valves					
	62816	Zone Valve Insert 1/2" (Blue Cap) - <i>While Supplies Last</i>	1	ea.	\$ 86.00
	62916	Radiator Valve Insert 1/2" (Black Cap) - <i>While Supplies Last</i>	1	ea.	\$ 74.80
	62920	Radiator Valve Insert 3/4" (Black Cap) - <i>While Supplies Last</i>	1	ea.	\$ 93.34
	62900V	Zone Valve Insert for 62000V Series Valves	1	ea.	\$ 77.84
	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.	\$ 428.33
Mixing Valve Motors					
	58052	Plastic Mixing Valve Motor Coupling for 1" - 2" 4-Way Valves - <i>While Supplies Last</i>	1	ea.	\$ 37.13
	58130.1	Adapter for HeatLink 1"- 2" Rotary Actuator to WITA Valve	1	ea.	\$ 129.35
	58850	AccessryPack #58150 v2 Mounted on Black CastIronMixingVlv - <i>While Supplies Last</i>	1	ea.	\$ 43.54

	Stk#	Description	Qty	Unit	List Price / Unit
	58950	Accessory Pack for #58150 v1 (Rectangle, SM5) - <i>While Supplies Last</i>	1	ea.	\$ 43.54
	58199	Mixing Valve Motor for 2-1/2" to 4" Flange Mixing Valves - <i>While Supplies Last</i>	1	ea.	\$ 549.98
	58200.1	Metal Drive Sleeve for 58200 / 58300 Mixing Valve Motor	1	ea.	\$ 164.65
Actuators					
	56081	Zone Valve Ring for 56201 and 56231 Actuator - <i>While Supplies Last</i>	1	ea.	\$ 2.24
	56090	TwistSeal® Manifold Actuator Ring - <i>While Supplies Last</i>	1	ea.	\$ 4.68
	56091	Valve Actuator Ring - <i>While Supplies Last</i>	1	ea.	\$ 5.93
Relays					
	45032	8 Pin Round Socket for AC Relay - <i>While Supplies Last</i>	1	ea.	\$ 43.08
Sensors					
	ETF1899ASNS	Sensor NTC 12K (Spare parts for #SMCP) - Special Order**	1	ea.	\$ 151.28
Tools					
	11328.1	1" Standard Press Tool for SS Sleeve - Go-No-Go Gauge	1	ea.	\$ 28.76
	11335.1	1-1/4" Standard Press Tool for SS Sleeve - Go-No-Go Gauge - <i>While Supplies Last</i>	1	ea.	\$ 24.16
	11433.1	Confined Space Tool Gauge (All Sizes)	1	ea.	\$ 13.52
	11438	E-Clips for Confined Space Tools (12 per bag) For 11433, 11434, and 11435.	1	bag	\$ 22.22
	11439	Rebuild Kit for Confined Space Tool For 11433 and 11434.	1	ea.	\$ 62.79
	11901	Replacement Retaining Rings for Press Tools (10 per bag) For 11305, 11322, 11325, 11328, 11335, 11341, 11405, and 11422.	1	bag	\$ 14.50

	Stk#	Description	Qty	Unit	List Price / Unit
	11902	Rebuild Kit for Straight 1/2" & 3/4" Press Tools For metal and composite handle 11305 and 11322.	1	ea.	\$ 124.05
	11903	Rebuild Kit for 1", 1-1/4" Angle, Straight and Combo Press Tools For 11325, 11328, 11335, 11341, 11405, and 11422.	1	ea.	\$ 128.48
Mechanical Room in a Box					
	NTRWSH1	1" x 3mm Blk Nitrile Washer for Panels	5	ea.	\$ 4.61
	NTRWSH1-SRV	1" x 1.5mm Blk Nitrile (replacement washers Pre-2014 Panels)	5	ea.	\$ 4.21
	NTRWSH34	3/4" x 3mm Blk Nitrile Washer for Panels	5	ea.	\$ 2.49
	NTRWSH34-SRV	3/4" x 1.5mm Blk Nitrile (replacement washers Pre-2014 Panels)	5	ea.	\$ 2.13
	PLC1R2	Controller for TMP040/070, SMP, ZMP, ELB and old SSP/SST	1	ea.	\$ 1,081.69
	PLC4AR2	Controller for TMP085DP, TMP200DT	1	ea.	\$ 1,132.92
	PLC5R2	Controller for TWH070Z using FLWSWTCH	1	ea.	\$ 1,657.80
	PLC6R2P3	Controller for CDP Panels with 3 Pumps - <i>Call for Availability</i> See PWRB6R2	1	ea.	\$ 1,257.07
	PLC6R2P4	Controller for CDP Panels with 4 Pumps - <i>Call for Availability</i> See PWRB6R2	1	ea.	\$ 1,583.91
	PLC7R1P1	Controller for WHP using HEPPS	1	ea.	\$ 1,280.11
	PLC7R1P2	Controller for HEP using HEPPS	1	ea.	\$ 1,280.11
	PLC7R1P2-TWH	Controller for TWH (except for Z models) using HEPPS	1	ea.	\$ 1,355.49
	PLC7R2P1	Controller for WHP using FLWSWTCH	1	ea.	\$ 1,081.15

	Stk#	Description	Qty	Unit	List Price / Unit
	PLC7R2P2	Controller for HEP, TWH (except Z) using FLWSWTCH	1	ea.	\$ 1,081.65
	PWRB6R2	Power Box for CDP Panels - <i>While Supplies Last</i>	1	ea.	\$ 1,202.45
	PLINTR40VA	24Vac 40VA Plug-in Transformer for Panels	1	ea.	\$ 182.47
	CHVLV20	Check Valve for UPS15-58 Pump	1	ea.	\$ 35.46
	PUMP1558	UPS15-58RU Composite 115V Pump	1	ea.	\$ 508.94
	PUMP2699	UPS26-99FC 115V Cast Iron Pump	1	ea.	\$ 1,205.41
	PUMP2699BR	UPS26-99BFC 115V Bronze Pump	1	ea.	\$ 1,932.12

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
00412	HeatLink Preventative Maintenance Water Analysis		1	ea.	\$ 375.00	85
01205	1L Corrosion Inhibitor (Molybdate Based)		1	bottle	\$ 116.65	85
01311	1L Purging Compound (Pre & Post Operational Cleaner)	WSL	1	bottle	\$ 209.50	
01321	1L Postoperational Filtration Cleaner	Discontinued	1	L	\$ 352.99	
02191	O-Ring for the Side Stream Filter	Discontinued	1	ea.	\$ 51.75	
10005	HeatLink Galvanized PEX Tubing Dispenser		1	ea.	\$ 803.34	134
10091	Dispenser Pin Set For Narrow PEX Coils	WSL	1	set	\$ 264.85	
10092	Dispenser Pin Set For Large PEX Coils	Discontinued	1	set	\$ 264.85	
10100	HeatLink® PEX Tubing Cutters		1	ea.	\$ 22.85	134
10101	HeatLink Red PEX Pipe Cutter (QC ½" & ¾")		1	ea.	\$ 37.24	134
10230	HeatLink® Deluxe Staple Gun		1	ea.	\$ 688.82	133
11252	½" and ¾" EasyFit™ Wrench	WSL	1	ea.	\$ 11.62	
11305	½" Standard Press Tool for SS Sleeve		1	ea.	\$ 382.26	136
11322	¾" Standard Press Tool for SS Sleeve		1	ea.	\$ 382.26	136
11325	½" & ¾" Combo Standard Press Tool for SS Sleeve		1	ea.	\$ 582.56	136
11328	1" Standard Press Tool for SS Sleeve		1	ea.	\$ 590.91	136
11328.1	1" Standard Press Tool for SS Sleeve - Go-No-Go Gauge		1	ea.	\$ 28.76	144
11335	1-¼" Standard Press Tool for SS Sleeve		1	ea.	\$ 1,000.61	136
11335.1	1-¼" Standard Press Tool for SS Sleeve - Go-No-Go Gauge	WSL	1	ea.	\$ 24.16	144
11341	1-½" Standard Press Tool for SS Sleeve		1	ea.	\$ 1,143.33	136
11433	½" Confined Space Press Tool		1	ea.	\$ 423.07	136
11433.1	Confined Space Tool Gauge (All Sizes)		1	ea.	\$ 13.52	144
11434	¾" Confined Space Press Tool		1	ea.	\$ 423.07	136
11435	3-in-1 Confined Space Press Tool with Case	Discontinued	1	ea.	\$ 667.20	
11435.3	½" SS Collars (Set) for #11435	Discontinued	1	ea.	\$ 75.22	
11435.4	¾" SS Collars (Set) for #11435	Discontinued	1	ea.	\$ 75.22	
11438	E-Clips for Confined Space Tools (12 per bag)		1	bag	\$ 22.22	144
11439	Rebuild Kit for Confined Space Tool		1	ea.	\$ 62.79	144
11500	Slim-line Power Press Tool		1	ea.	\$ 4,721.87	137
11505	½" Jaws for Slim-line Power Press Tool		1	ea.	\$ 611.42	137
11522	¾" Jaws For Slim-line Power Press Tool		1	ea.	\$ 611.42	137
11528	1" Jaws for Slim-line Power Press Tool		1	ea.	\$ 660.14	137
11535	1-¼" Jaws for Slim-line Power Press Tool		1	ea.	\$ 663.85	137
11541	1-½" Jaws for Slim-line Power Press Tool		1	ea.	\$ 738.22	137
11600	Power Press Tool with Pistol Grip		1	ea.	\$ 6,641.95	138
11605	½" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 694.49	138
11622	¾" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 709.23	138
11628	1" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 752.54	138
11635	1-¼" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 752.54	138
11641	1-½" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 757.32	138
11654W	2" Jaws for Power Press Tool with Pistol Grip		1	ea.	\$ 1,559.88	138
11901	Replacement Retaining Rings for Press Tools (10 per bag)		1	bag	\$ 14.50	144
11902	Rebuild Kit for Straight ½" & ¾" Press Tools		1	ea.	\$ 124.05	145
11903	Rebuild Kit for 1", 1-¼" Angle, Straight and Combo Press Tools		1	ea.	\$ 128.48	145
12005	½" J-Clip		100	ea.	\$ 0.19	131
12022	¾" J-Clip		100	ea.	\$ 0.23	131
12028	1" J-Clip		50	ea.	\$ 0.37	131
13202M	2 Port, ¾" PEX × Closed End HPP Mini Multiport Tee		5	ea.	\$ 8.031	13
13203	3 Port Single Row, ¾" PEX × Closed End HPP Multiport Tee	WSL	5	ea.	\$ 35.583	13
13203M	3 Port, ¾" PEX × Closed End HPP Mini Multiport Tee		5	ea.	\$ 10.912	13
13204	4 Port Single Row, ¾" PEX × Closed End HPP Multiport Tee		5	ea.	\$ 39.344	13

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
13204M	4 Port, 3/4" PEX x Closed End HPP Mini Multiport Tee		5	ea.	\$ 13.842	13
13206	6 Port Single Row, 3/4" PEX x Closed End HPP Multiport Tee		5	ea.	\$ 48.129	13
13208	8 Port Single Row, 3/4" PEX x Closed End HPP Multiport Tee	Call for Availability	5	ea.	\$ 74.872	13
13808	8 Port Single Row, 1" PEX x Closed End HPP Multiport Tee	Discontinued	5	ea.	\$ 54.103	
13833	6 Port Opposing Rows, 1" PEX x Closed End HPP Multiport Tee	WSL	5	ea.	\$ 31.520	13
13844	8 Port Opposing Rows, 1" PEX x Closed End HPP Multiport Tee	WSL	5	ea.	\$ 36.251	13
14202M	2 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee		5	ea.	\$ 8.645	14
14203	3 Port Single Row, 3/4" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 28.005	14
14203M	3 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee		5	ea.	\$ 11.429	14
14204	4 Port Single Row, 3/4" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 29.434	14
14204M	4 Port, 3/4" PEX x 3/4" PEX Flow Through HPP Mini Multiport Tee		5	ea.	\$ 14.274	14
14233	6 Port Opposing Rows, 3/4" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 31.520	14
14244	8 Port Opposing Rows, 3/4" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 36.251	14
14703	3 Port Single Row, 1" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 22.839	14
14704	4 Port Single Row, 1" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 30.497	14
14706	6 Port Single Row, 1" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 56.885	14
14708	8 Port Single Row, 1" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 52.656	14
14733	6 Port Opposing Rows, 1" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 31.520	14
14744	8 Port Opposing Rows, 1" PEX x 3/4" PEX Flow Through HPP Multiport Tee	WSL	5	ea.	\$ 36.251	14
15005	1/2" PEX HPP Plug		25	ea.	\$ 0.768	25
15022	3/4" PEX HPP Plug		25	ea.	\$ 1.255	25
15028	1" PEX HPP Plug		5	ea.	\$ 2.083	25
16222	3/4" x 3/4" x 3/4" PEX HPP Tee		25	ea.	\$ 2.963	23
16225	3/4" x 3/4" x 1/2" PEX HPP Tee		25	ea.	\$ 2.738	23
16228	3/4" x 3/4" x 1" PEX HPP Tee		5	ea.	\$ 6.316	23
16252	3/4" x 1/2" x 3/4" PEX HPP Tee		25	ea.	\$ 2.895	23
16255	3/4" x 1/2" x 1/2" PEX HPP Tee		25	ea.	\$ 2.284	23
16552	1/2" x 1/2" x 3/4" PEX HPP Tee		25	ea.	\$ 2.425	23
16555	1/2" x 1/2" x 1/2" PEX HPP Tee		25	ea.	\$ 1.927	23
16822	1" x 3/4" x 3/4" PEX HPP Tee		5	ea.	\$ 6.538	23
16828	1" x 3/4" x 1" PEX HPP Tee		5	ea.	\$ 6.161	23
16882	1" x 1" x 3/4" PEX HPP Tee		5	ea.	\$ 5.949	23
16885	1" x 1" x 1/2" PEX HPP Tee		10	ea.	\$ 5.813	23
16888	1" x 1" x 1" PEX HPP Tee		10	ea.	\$ 7.653	23
17505	1/2" PEX x 1/2" MNPT HPP Adapter		25	ea.	\$ 2.227	19
17522	3/4" PEX x 3/4" MNPT HPP Adapter		25	ea.	\$ 2.883	19
17525	3/4" PEX x 1/2" MNPT HPP Adapter	Discontinued	25	ea.	\$ 1.898	
17552	1/2" PEX x 3/4" MNPT HPP Adapter		25	ea.	\$ 2.799	19
17705	1/2" PEX x Ballcock/Closet FNPT Swivel HPP Adapter	Discontinued	25	ea.	\$ 3.550	
17755	1/2" PEX x 1/2" FNPT Swivel HPP Adapter		25	ea.	\$ 2.783	21
18005	1/2" x 1/2" PEX HPP Elbow		25	ea.	\$ 1.365	18
18022	3/4" x 3/4" PEX HPP Elbow		25	ea.	\$ 2.308	18
18028	1" x 1" PEX HPP Elbow		10	ea.	\$ 5.391	18
18225	3/4" x 1/2" PEX HPP Elbow		10	ea.	\$ 2.153	18
18605	1/2" PEX x 1/2" FNPT HPP Swivel Elbow	WSL	25	ea.	\$ 2.766	21
19005	1/2" x 1/2" PEX HPP Coupling		25	ea.	\$ 1.069	17
19022	3/4" x 3/4" PEX HPP Coupling		25	ea.	\$ 1.658	17
19028	1" x 1" PEX HPP Coupling		10	ea.	\$ 3.202	17
19225	3/4" x 1/2" PEX HPP Coupling		25	ea.	\$ 1.320	17
19282	1" x 3/4" PEX HPP Coupling		5	ea.	\$ 3.089	17
20105	1/2" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 86.500	5

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
20105BW	½" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 95.800	7
20122	¾" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 160.100	5
20122BW	¾" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 177.700	7
20128	1" 100ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 267.30	42, 5
20128BW	1" 100ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 296.500	7
20135	1-¼" 100ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 567.600	9
20145	1-½" 100ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 746.400	9
20154	2" 100ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 1,491.000	9
20205	½" 20×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 346.000	5
20205BW	½" 20×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 383.200	7
20222	¾" 10×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 320.200	5
20222BW	¾" 10×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 355.400	7
20228	1" 5×20ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 267.300	5
20228BW	1" 5×20ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 296.500	7
20235	1-¼" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 567.600	9
20245	1-½" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 746.400	9
20254	2" 5×20ft PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 1,491.000	9
20305	½" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 259.50	42, 5
20305BW	½" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 287.400	7
20322	¾" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 480.30	42, 5
20322BW	¾" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 533.100	7
20328	1" 300ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 801.90	42, 5
20328BW	1" 300ft Blue Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 889.500	7
20335	1-¼" 300ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 1,702.800	9
20345	1-½" 300ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 2,239.200	9
20354	2" 300ft PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 4,473.000	9
20405	½" 25×12ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 259.500	5
20422	¾" 10×12ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 192.120	5
20428	1" 5×12ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 160.380	5
20435	1-¼" 5×12ft PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 340.560	9
20505	½" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 432.50	42, 5
20522	¾" 500ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 800.50	42, 5
20905	½" 1000ft Blue PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 865.00	42, 5
21105	½" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 86.500	6
21105RW	½" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 95.800	8
21122	¾" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 160.100	6
21122RW	¾" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 177.700	8
21128	1" 100ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 267.300	6
21128RW	1" 100ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 296.500	8
21205	½" 20×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 346.000	6
21205RW	½" 20×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 383.200	8
21222	¾" 10×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 320.200	6
21222RW	¾" 10×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 355.400	8
21228	1" 5×20ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 267.300	6
21228RW	1" 5×20ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 296.500	8
21305	½" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 259.500	6
21305RW	½" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 287.400	8
21322	¾" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 480.300	6
21322RW	¾" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 533.100	8
21328	1" 300ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 801.900	6
21328RW	1" 300ft Red Wall PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 889.500	8

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
21405	½" 25×12ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 259.500	6
21422	¾" 10×12ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	bundle	\$ 192.120	6
21505	½" 500ft Red PureLink® Plus UV Stabilized PEX-a Tubing		1	coil	\$ 432.500	6
23015	½" PEX Insert Manifold Connector		5	ea.	\$ 5.30	48
23032	¾" PEX Insert Manifold Connector c/w Nut		5	ea.	\$ 8.56	48
23305NL	½" PEX F1807 No Lead Brass Ball Valve, Full Port		10	ea.	\$ 8.549	27
23305NL-D	½" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	Fall 2023	10	ea.	\$ 9.580	27
23322NL	¾" PEX F1807 No Lead Brass Ball Valve, Full Port		10	ea.	\$ 12.010	27
23322NL-D	¾" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	Fall 2023	10	ea.	\$ 13.460	27
23328NL	1" PEX F1807 No Lead Brass Ball Valve, Full Port		6	ea.	\$ 19.115	27
23328NL-D	1" PEX F1807 No Lead Brass Ball Valve with Drain, Full Port	Fall 2023	10	ea.	\$ 21.410	27
23335NL	1-¼" PEX F1807 No Lead Brass Ball Valve, Full Port		4	ea.	\$ 34.265	27
23341NL	1-½" PEX F1807 No Lead Brass Ball Valve, Full Port		2	ea.	\$ 48.802	27
23354NL	2" PEX F1807 No Lead Brass Ball Valve, Full Port		2	ea.	\$ 70.473	27
23405NL	½" PEX × ½" No Lead M/Sweat Straight Ball Valve	WSL	24	ea.	\$ 11.150	27
23505NL	½" PEX × ¾" O.D. No Lead Brass Plated Straight Ball Valve		24	ea.	\$ 26.631	26
23605NL	½" PEX × ¾" O.D. No Lead Brass Plated Angle Ball Valve		24	ea.	\$ 26.887	26
23705NL	½" PEX Straight No Lead Brass Ball Valve		24	ea.	\$ 28.370	26
23722NL	¾" PEX Straight No Lead Brass Ball Valve		24	ea.	\$ 35.728	26
23772NL	¾" PEX No Lead Stop and Waste Valve	WSL	12	ea.	\$ 38.470	26
23775NL	½" PEX No Lead Stop and Waste Valve	WSL	24	ea.	\$ 28.032	26
23822NL	¾" PEX F1807 × ¾" MNPT No Lead Brass Ball Valve		10	ea.	\$ 13.850	27
23905NL	½" PEX × ¼" O.D. No Lead Straight Ball Valve		24	ea.	\$ 29.164	26
24205	½" SS Press Sleeve		100	ea.	\$ 0.486	12
24222	¾" SS Press Sleeve		50	ea.	\$ 0.739	12
24228	1" SS Press Sleeve		50	ea.	\$ 1.487	12
24235	1-¼" SS Press Sleeve		10	ea.	\$ 5.834	12
24241	1-½" SS Press Sleeve		10	ea.	\$ 6.957	12
24250	2" SS Press Sleeve		10	ea.	\$ 8.828	12
25005NL	½" PEX No Lead Brass Plug		25	ea.	\$ 1.982	25
25022NL	¾" PEX No Lead Brass Plug		25	ea.	\$ 2.842	25
25028NL	1" PEX No Lead Brass Plug		5	ea.	\$ 4.162	25
25035NL	1-¼" PEX No Lead Brass Plug		5	ea.	\$ 10.913	25
25041NL	1-½" PEX No Lead Brass Plug		5	ea.	\$ 51.319	25
25054NL	2" PEX No Lead Brass Plug		5	ea.	\$ 53.764	25
25751NL	½" PEX × ¾" O.D. No Lead Brass Adapter		5	ea.	\$ 4.237	21
26222NL	¾" × ¾" × ¾" PEX No Lead Brass Tee		25	ea.	\$ 6.667	23
26225NL	¾" × ¾" × ½" PEX No Lead Brass Tee		25	ea.	\$ 6.512	24
26252NL	¾" × ½" × ¾" PEX No Lead Brass Tee		25	ea.	\$ 6.638	24
26255NL	¾" × ½" × ½" PEX No Lead Brass Tee		25	ea.	\$ 6.499	24
26332NL	1-¼" × 1-¼" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 32.996	24
26333NL	1-¼" × 1-¼" × 1-¼" PEX No Lead Brass Tee		5	ea.	\$ 34.217	23
26335NL	1-¼" × 1-¼" × ½" PEX No Lead Brass Tee		5	ea.	\$ 29.514	24
26338NL	1-¼" × 1-¼" × 1" PEX No Lead Brass Tee		5	ea.	\$ 39.799	24
26382NL	1-¼" × 1" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 33.639	24
26388NL	1-¼" × 1" × 1" PEX No Lead Brass Tee		5	ea.	\$ 37.163	24
26422NL	1-½" × ¾" × ¾" PEX No Lead Brass Tee	WSL	5	ea.	\$ 36.221	24
26432NL	1-½" × 1-¼" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 57.150	24
26433NL	1-½" × 1-¼" × 1-¼" PEX No Lead Brass Tee	WSL	5	ea.	\$ 46.139	24
26442NL	1-½" × 1-½" × ¾" PEX No Lead Brass Tee		5	ea.	\$ 45.708	24
26443NL	1-½" × 1-½" × 1-¼" PEX No Lead Brass Tee	WSL	5	ea.	\$ 51.823	24

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
26444NL	1-1/2" x 1-1/2" x 1-1/2" PEX No Lead Brass Tee		5	ea.	\$ 72.263	23
26448NL	1-1/2" x 1-1/2" x 1" PEX No Lead Brass Tee		5	ea.	\$ 66.199	24
26488NL	1-1/2" x 1" x 1" PEX No Lead Brass Tee		5	ea.	\$ 61.396	24
26552NL	1/2" x 1/2" x 3/4" PEX No Lead Brass Tee	WSL	10	ea.	\$ 4.298	24
26555NL	1/2" x 1/2" x 1/2" PEX No Lead Brass Tee		25	ea.	\$ 4.211	23
26633NL	2" x 1-1/4" x 1-1/4" PEX No Lead Brass Tee		5	ea.	\$ 153.856	24
26642NL	2" x 1-1/2" x 3/4" PEX No Lead Brass Tee		5	ea.	\$ 113.975	24
26643NL	2" x 1-1/2" x 1-1/4" PEX No Lead Brass Tee		5	ea.	\$ 121.951	24
26644NL	2" x 1-1/2" x 1-1/2" PEX No Lead Brass Tee		5	ea.	\$ 134.555	24
26648NL	2" x 1-1/2" x 1" PEX No Lead Brass Tee		5	ea.	\$ 117.593	24
26662NL	2" x 2" x 3/4" PEX No Lead Brass Tee		5	ea.	\$ 115.512	24
26663NL	2" x 2" x 1-1/4" PEX No Lead Brass Tee		5	ea.	\$ 117.028	24
26664NL	2" x 2" x 1-1/2" PEX No Lead Brass Tee		5	ea.	\$ 132.149	24
26666NL	2" x 2" x 2" PEX No Lead Brass Tee		5	ea.	\$ 138.133	23
26668NL	2" x 2" x 1" PEX No Lead Brass Tee		5	ea.	\$ 112.759	24
26822NL	1" x 3/4" x 3/4" PEX No Lead Brass Tee		5	ea.	\$ 14.689	24
26882NL	1" x 1" x 3/4" PEX No Lead Brass Tee		5	ea.	\$ 15.680	24
26885NL	1" x 1" x 1/2" PEX No Lead Brass Tee		10	ea.	\$ 13.863	24
26888NL	1" x 1" x 1" PEX No Lead Brass Tee		10	ea.	\$ 14.243	23
27105NL	1/2" PEX x 1/2" M/Sweat No Lead Brass Adapter		25	ea.	\$ 2.787	22
27122NL	3/4" PEX x 3/4" M/Sweat No Lead Brass Adapter		25	ea.	\$ 5.313	22
27128NL	1" PEX x 1" M/Sweat No Lead Brass Adapter		10	ea.	\$ 9.213	22
27135NL	1-1/4" PEX x 1-1/4" M/Sweat No Lead Brass Adapter		5	ea.	\$ 17.562	22
27141NL	1-1/2" PEX x 1-1/2" M/Sweat No Lead Brass Adapter		5	ea.	\$ 60.386	22
27154NL	2" PEX x 2" M/Sweat No Lead Brass Adapter		5	ea.	\$ 75.108	22
27205NL	1/2" PEX x 1/2" F/Sweat No Lead Brass Adapter		25	ea.	\$ 3.164	22
27222NL	3/4" PEX x 3/4" F/Sweat No Lead Brass Adapter		25	ea.	\$ 5.792	22
27228NL	1" PEX x 1" F/Sweat No Lead Brass Adapter		10	ea.	\$ 12.995	22
27235NL	1-1/4" PEX x 1-1/4" F/Sweat No Lead Brass Adapter		5	ea.	\$ 21.117	22
27328NL	3/4" PEX x 1" F/Sweat No Lead Adapter	WSL	10	ea.	\$ 5.899	22
27505NL	1/2" PEX x 1/2" MNPT No Lead Brass Adapter		25	ea.	\$ 5.792	19
27522NL	3/4" PEX x 3/4" MNPT No Lead Brass Adapter		25	ea.	\$ 8.405	19
27525NL	3/4" PEX x 1/2" MNPT No Lead Brass Adapter		25	ea.	\$ 8.136	19
27528NL	1" PEX x 1" MNPT No Lead Brass Adapter		10	ea.	\$ 15.371	19
27535NL	1-1/4" PEX x 1-1/4" MNPT No Lead Brass Adapter		5	ea.	\$ 36.903	19
27538NL	1-1/4" PEX x 1" MNPT No Lead Brass Adapter		5	ea.	\$ 24.092	19
27541NL	1-1/2" PEX x 1-1/2" MNPT No Lead Brass Adapter		5	ea.	\$ 39.187	19
27552NL	1/2" PEX x 3/4" MNPT No Lead Brass Adapter		10	ea.	\$ 8.126	19
27554NL	2" PEX x 2" MNPT No Lead Brass Adapter		5	ea.	\$ 116.121	19
27582NL	1" PEX x 3/4" MNPT No Lead Brass Adapter		5	ea.	\$ 10.735	19
27605NL	1/2" PEX x 1/2" FNPT No Lead Brass Adapter		25	ea.	\$ 7.001	20
27622NL	3/4" PEX x 3/4" FNPT No Lead Brass Adapter		25	ea.	\$ 10.113	20
27628NL	1" PEX x 1" FNPT No Lead Brass Adapter		25	ea.	\$ 13.582	20
27632NL	1-1/4" PEX x 3/4" FNPT No Lead Brass Adapter	WSL	5	ea.	\$ 20.338	20
27635NL	1-1/4" PEX x 1-1/4" FNPT No Lead Brass Adapter		5	ea.	\$ 43.350	20
27638NL	1-1/4" PEX x 1" FNPT No Lead Brass Adapter	WSL	5	ea.	\$ 25.731	20
28005NL	1/2" x 1/2" PEX No Lead Brass Elbow		25	ea.	\$ 3.333	18
28022NL	3/4" x 3/4" PEX No Lead Brass Elbow		25	ea.	\$ 5.076	18
28028NL	1" x 1" PEX No Lead Brass Elbow		10	ea.	\$ 11.761	18
28035NL	1-1/4" x 1-1/4" PEX No Lead Brass Elbow		5	ea.	\$ 21.908	18
28041NL	1-1/2" x 1-1/2" PEX No Lead Brass Elbow		5	ea.	\$ 52.955	18

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
28054NL	2" x 2" PEX No Lead Brass Elbow		5	ea.	\$ 98.594	18
28205	½" PEX Barb Stubout Elbow with Edge Bracket		25	ea.	\$ 14.230	28
28206	½" PEX x Closed, 3-½" x 6" Stub-out Elbow		50	ea.	\$ 8.901	28
28225NL	¾" x ½" PEX No Lead Brass Elbow	WSL	10	ea.	\$ 4.199	18
28305NL	½" PEX x ½" FNPT Drop Ear No Lead Brass Elbow		10	ea.	\$ 14.031	20
28535NL	1-¼" PEX x 1-¼" MNPT No Lead Brass Elbow	WSL	5	ea.	\$ 44.230	
29005NL	½" x ½" PEX No Lead Brass Coupling		25	ea.	\$ 2.443	16
29022NL	¾" x ¾" PEX No Lead Brass Coupling		25	ea.	\$ 3.434	16
29028NL	1" x 1" PEX No Lead Brass Coupling		10	ea.	\$ 5.296	16
29035NL	1-¼" x 1-¼" PEX No Lead Brass Coupling		5	ea.	\$ 11.095	16
29041NL	1-½" x 1-½" PEX No Lead Brass Coupling		5	ea.	\$ 39.140	16
29054NL	2" x 2" PEX No Lead Brass Coupling		5	ea.	\$ 58.698	16
29225NL	¾" x ½" PEX No Lead Brass Coupling		25	ea.	\$ 4.294	16
29238NL	1-¼" x 1" PEX No Lead Brass Coupling		5	ea.	\$ 11.463	16
29243NL	1-½" x 1-¼" PEX No Lead Brass Coupling		5	ea.	\$ 21.389	16
29248NL	1-½" x 1" PEX No Lead Brass Coupling		5	ea.	\$ 36.269	16
29263NL	2" x 1-¼" PEX No Lead Brass Coupling		5	ea.	\$ 54.715	16
29264NL	2" x 1-½" PEX No Lead Brass Coupling		5	ea.	\$ 57.447	16
29282NL	1" x ¾" PEX No Lead Brass Coupling		10	ea.	\$ 5.813	16
30071	Universal Sensor (10K)		1	ea.	\$ 73.29	79
30072	Slab Sensor (10K) PVC Sleeve 20ft Cable		1	ea.	\$ 246.94	79
30073	Slab Sensor (10K) PVC Sleeve 40ft Cable		1	ea.	\$ 419.50	79
30076	Indoor Sensor (10K) Small Enclosure	Discontinued	1	ea.	\$ 90.82	
30077	Indoor Sensor (10K) Flush Mount	Discontinued	1	ea.	\$ 140.03	
30079	Slab Sensor (10K) SS Sleeve 10ft Cable		1	ea.	\$ 88.66	79
30090	Snow/Ice Sensor (10K) 65 ft cable		1	ea.	\$ 2,018.03	79 , 130
30091	Snow/Ice Sensor Socket		1	ea.	\$ 458.63	79 , 130
30092	SnowMeltingKit-Start/StopModule w/Slab and UniversalSensor	WSL	1	ea.	\$ 1,091.35	
30095	Aerial Mounted Snow Sensor	New!	1	ea.	\$ 428.88	79
30360	Indoor/Outdoor Mixing Valve Reset Control	New!	1	ea.	\$ 1,978.90	77
30654	Snow Melt Control	New!	1	ea.	\$ 1,884.98	78
31355	HeatLink® Compact Mixing Reset Control	Discontinued; see 30360	1	ea.	\$ 925.54	
31680	Snow Melt Control 680-BMS BACnet (30090,30091,Snow/Ice Sensor sold sep)		1	ea.	\$ 7,316.05	77
3WMIX	3-Way Mixing Panel 1-¼" 26-99 Pump	WSL; see 3WMIX-360	1	ea.	\$ 7,996.00	
3WMIX-360	3-Way Mixing Panel 1-¼" 26-99 Pump	New!	1	ea.	\$ 9,529.00	118
3WMIX-654	3-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt	New!	1	ea.	\$ 8,856.00	123
3WMIX-BMS	3-Way Mixing Panel 1-¼" 26-99 Pump BMS		1	ea.	\$ 6,542.00	119
3WMIX-SMCP	3-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt	WSL; see 3WMIX-654	1	ea.	\$ 8,856.00	
3WMIXHH	3-Way Mixing Panel 1-¼" 26-150 Pump	WSL; see 3WMIXHH-360	1	ea.	\$ 9,413.00	
3WMIXHH-360	3-Way Mixing Panel 1-¼" 26-150 Pump	New!	1	ea.	\$ 10,885.00	118
3WMIXHH-654	3-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt	New!	1	ea.	\$ 10,725.00	123
3WMIXHH-BMS	3-Way Mixing Panel 1-¼" 26-150 Pump BMS		1	ea.	\$ 8,613.00	119
3WMIXHH-SMCP	3-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt	WSL; see 3WMIXHH-654	1	ea.	\$ 10,725.00	
40318	StatLink® 8 Zone Wired Module	Discontinued; see 40414	1	ea.	\$ 253.65	
40328	StatLink® 8 Zone Wireless Module		1	ea.	\$ 433.20	70
40414	StatLink® 4 Zone Module	New!	1	ea.	\$ 181.08	76
41316	6 Zone Pump Wiring Center		1	ea.	\$ 646.74	75
43301	Wireless Internet Gateway		1	ea.	\$ 381.92	69
43302	Wireless Relay		1	ea.	\$ 187.82	71
43303	Door/Window Sensor	WSL	1	ea.	\$ 101.89	72
43304	Wireless Smart Plug / Repeater		1	ea.	\$ 173.36	71

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
43305	External Antenna		1	ea.	\$ 103.99	72
43306	Co-ordinator	WSL	1	ea.	\$ 148.82	74
43307	Repeater	WSL	1	ea.	\$ 116.86	74
43310	Water Leak Sensor		1	ea.	\$ 174.85	73
43311	Inline Shutoff Valve		1	ea.	\$ 592.45	73
44325	StatLink® Installation Track, 25"		1	ea.	\$ 32.88	76
45032	8 Pin Round Socket for AC Relay	WSL	1	ea.	\$ 43.08	144
45112	HeatLink® 24Vac DPDT Pump Relay Box		1	ea.	\$ 260.95	75
45813	1A TimeDelay(SlowBlow)5×20mmGlassFuse for 461Thermostats	WSL	1	ea.	\$ 5.09	
45822	2A Medium Lag (Med. Blow) 5×20mm Glass Fuse for 40190	Discontinued	1	pair	\$ 10.17	
46645	HeatLink® Wired Digital Timer Thermostat		1	ea.	\$ 146.16	75
46801W	HeatLink® Wireless Digital Thermostat		1	ea.	\$ 170.45	69
4WMIX	4-Way Mixing Panel 1-¼" 26-99 Pump	WSL; see 4WMIX-360	1	ea.	\$ 7,996.00	
4WMIX-360	4-Way Mixing Panel 1-¼" 26-99 Pump	New!	1	ea.	\$ 9,529.00	120
4WMIX-654	4-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt	New!	1	ea.	\$ 8,856.00	124
4WMIX-BMS	4-Way Mixing Panel 1-¼" 26-99 Pump BMS		1	ea.	\$ 6,542.00	121
4WMIX-HH-SMCP-BAC	4-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt (requires OPT-SMP-680)		1	ea.	\$ 11,533.00	125
4WMIX-SMCP	4-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt	WSL; see 4WMIX-654	1	ea.	\$ 8,856.00	
4WMIX-SMCP-BAC	4-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt (requires OPT-SMP-680)		1	ea.	\$ 9,918.00	125
4WMIXHH	4-Way Mixing Panel 1-¼" 26-150 Pump	WSL; see 4WMIXHH-360	1	ea.	\$ 9,413.00	
4WMIXHH-360	4-Way Mixing Panel 1-¼" 26-150 Pump	New!	1	ea.	\$ 10,885.00	120
4WMIXHH-654	4-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt	New!	1	ea.	\$ 10,725.00	124
4WMIXHH-BMS	4-Way Mixing Panel 1-¼" 26-150 Pump BMS		1	ea.	\$ 8,613.00	121
4WMIXHH-SMCP	4-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt	WSL; see 4WMIXHH-654	1	ea.	\$ 10,725.00	
56081	Zone Valve Ring for 56201 and 56231 Actuator	WSL	1	ea.	\$ 2.24	144
56090	TwistSeal® Manifold Actuator Ring	WSL	1	ea.	\$ 4.68	144
56091	Valve Actuator Ring	WSL	1	ea.	\$ 5.93	144
56121	HeatLink® DDC Actuator for Manifolds and Valves		1	ea.	\$ 262.50	66
56200	HeatLink® TwistSeal® Manifold Actuator with LED		1	ea.	\$ 114.80	66
56201	HeatLink® Valve & SS Manifold Actuator with LED		1	ea.	\$ 99.62	66
56202	HeatLink® Multiport Manifold Actuator with LED		1	ea.	\$ 110.12	66
56230	HeatLink® TwistSeal® Manifold Actuator c/w End Switch		1	ea.	\$ 174.22	66
56231	HeatLink® Valve & SS Manifold Actuator c/w End Switch		1	ea.	\$ 142.33	66
56232	HeatLink® Multiport Manifold Actuator c/w End Switch		1	ea.	\$ 177.35	66
56401	Wireless Valve Actuator		1	ea.	\$ 273.84	70
57091	Thermostatic Head (16°-28°C)	WSL	1	ea.	\$ 82.28	
57094	Thermostatic Head c/w Capillary (68°-158°F)		1	ea.	\$ 344.39	61
58052	Plastic MixingValve Motor Coupling for 1" - 2" 4-Way Valves	WSL	1	ea.	\$ 37.13	143
58130.1	Adapter for HeatLink 1" - 2" Rotary Actuator to WITA Valve		1	ea.	\$ 129.35	143
58131	Mixing Valve Motor for 1" to 2" FNPT Valves 3-Point Floating		1	ea.	\$ 785.66	63
58132	Mixing Valve Motor for 1" to 2" FNPT Valves DDC		1	ea.	\$ 1,040.53	63
58199	Mixing Valve Motor for 2-½" to 4" Flange Mixing Valves	WSL	1	ea.	\$ 549.98	144
58200	Mixing Valve Motor for 2" to 4" Flange Mixing Valves 3-Point Floating		1	ea.	\$ 1,349.17	63
58200.1	Metal Drive Sleeve for 58200/58300 Mixing Valve Motor		1	ea.	\$ 164.65	144
58300	Mixing Valve Motor for 2" to 4" Flange Mixing Valves DDC		1	ea.	\$ 2,403.49	63
58850	AccssryPack #58150 v2 Mounted on Black CastIronMixingVlv	WSL	1	ea.	\$ 43.54	143
58950	Accessory Pack for #58150 v1 (Rectangle, SM5)	WSL	1	ea.	\$ 43.54	144
60020V	Pressure Activated Bypass Valve ¾"		1	ea.	\$ 234.19	65
60025V	Pressure Activated Bypass Valve 1"		1	ea.	\$ 301.41	65
60040V	Pressure Activated Bypass Valve 1-¼"		1	ea.	\$ 398.70	65
62016V	Straight Zone Valve ½" NPT		1	ea.	\$ 106.70	60

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
62020V	Straight Zone Valve ¾" NPT		1	ea.	\$ 137.20	60
62025V	Straight Zone Valve 1" NPT		1	ea.	\$ 171.91	60
62030V	Straight Zone Valve 1-¼" NPT		1	ea.	\$ 307.66	60
62216	Straight Zone Valve ½" NPT, Nickel Plated	WSL	1	ea.	\$ 84.22	60
62220	Straight Zone Valve ¾" NPT, Nickel Plated	WSL	1	ea.	\$ 108.28	60
62325	Straight Balancing Valve 1" F/Sweat	WSL	1	ea.	\$ 167.58	65
62816	Zone Valve Insert ½" (Blue Cap)	WSL	1	ea.	\$ 86.00	143
62900V	Zone Valve Insert for 62000V Series Valves		1	ea.	\$ 77.84	154
62916	Radiator Valve Insert ½" (Black Cap)	WSL	1	ea.	\$ 74.80	143
62920	Radiator Valve Insert ¾" (Black Cap)	WSL	1	ea.	\$ 93.34	143
62925	Zone Valve Insert 1" (Black Cap)	Discontinued	1	ea.	\$ 120.67	
62930	Zone Valve Insert 1-¼" (Black Cap) and ¾" (Blue Cap)	WSL	1	ea.	\$ 129.74	
63022	¾" x 3-Way FNPT Mixing / Diverting Valve, Cv 4.7	New!	1	ea.	\$ 390.38	62
63023	¾" x 3-Way FNPT Mixing / Diverting Valve, Cv 7.3	New!	1	ea.	\$ 390.38	62
63026	1" x 3-Way FNPT Mixing / Diverting Valve		1	ea.	\$ 424.84	62
63026.1	1" 3- & 4-Way Valve Shaft & Seal Kit		1	ea.	\$ 127.30	143
63539	1-¼" x 3-Way FNPT Mixing / Diverting Valve		1	ea.	\$ 484.11	62
63541	1-½" x 3-Way FNPT Mixing / Diverting Valve		1	ea.	\$ 712.47	62
63542.1	1-¼" and 1-½" 3- & 4-Way Valve Shaft & Seal Kit		1	ea.	\$ 110.39	143
63551	2" x 3-Way FNPT Mixing / Diverting Valve		1	ea.	\$ 857.38	62
63551.1	2" 3- & 4-Way Valve Shaft & Seal Kit		1	ea.	\$ 110.39	143
63716	½" Compact 3-Way Mixing Valve	WSL	1	ea.	\$ 277.77	59
63720V	¾" Compact 3-Way Mixing Valve		1	ea.	\$ 484.38	59
63725V	1" Compact 3-Way Mixing Valve		1	ea.	\$ 614.44	59
63732	1-¼" Compact 3-Way Mixing Valve	WSL	1	ea.	\$ 842.46	59
64026	1" x 4-Way FNPT Mixing Valve		1	ea.	\$ 469.78	62
64031	1-¼" x 4-Way FNPT Mixing Valve		1	ea.	\$ 504.19	62
64041	1-½" x 4-Way FNPT Mixing Valve		1	ea.	\$ 798.32	62
64051	2" x 4-Way FNPT Mixing Valve		1	ea.	\$ 1,015.50	62
64164	2" x 4-Way Flange Mixing Valve		1	ea.	\$ 1,968.68	64
64164F	2" DIN Flange		1	ea.	\$ 83.02	64
64164G	2" Gasket for DIN Flange		1	ea.	\$ 26.07	64
64166	2-½" x 4-Way Flange Mixing Valve	WSL	1	ea.	\$ 1,932.09	
64166F	2-½" DIN Flange	Discontinued	1	ea.	\$ 101.63	
64166G	2-½" Gasket for DIN Flange	Discontinued	1	ea.	\$ 45.35	
64181F	3" DIN Flange	Discontinued	1	ea.	\$ 164.49	
64181G	3" Gasket for DIN Flange	Discontinued	1	ea.	\$ 55.21	
64931	Pressure Activated Bypass for Mixing Block 64331	Discontinued	1	ea.	\$ 128.77	
64950	1-½" & 2" 4-Way Cast Iron Mixing Valve Repair Kit	WSL	1	ea.	\$ 428.33	143
65000	4" x 4-Way Flange Mixing Valve		1	ea.	\$ 3,693.91	64
65000F	4" DIN Flange		1	ea.	\$ 191.52	64
65000G	4" Gasket for DIN Flange		1	ea.	\$ 71.65	64
67019	¾" PEX Comp. x ¾" M/Sweat Adapter		1	ea.	\$ 27.77	58
67119	¾" PEX Comp. x ¾" F/Sweat Adapter		1	ea.	\$ 28.42	58
68012	¾" PEX Comp. x ½" MNPT Adapter	Discontinued	1	ea.	\$ 15.42	
68019	¾" PEX Comp. x ¾" MNPT Adapter		1	ea.	\$ 26.28	58
69005	½" x ½" PEX Comp. Coupling		1	ea.	\$ 43.87	58
69019	¾" x ¾" PEX Comp. Coupling		1	ea.	\$ 43.87	58
69022	¾" x ¾" PEX Comp. Coupling		1	ea.	\$ 62.78	58
71724	Recessed Manifold Housing 24"x23"x3-7/8"		1	ea.	\$ 547.82	57
71730	Recessed Manifold Housing 30"x23"x3-7/8"		1	ea.	\$ 605.76	57

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
71743	Recessed Manifold Housing 43-1/2"x23"x3-7/8"		1	ea.	\$ 705.31	57
71901	Key Lock for Manifold Housing Door		1	ea.	\$ 29.97	57
72401	Manifold Mounting Rails for Surface Mount Manifold Housings	Discontinued	1	ea.	\$ 59.58	
72434	Surface Mounted Manifold Housing 34-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 893.88	57
72442	Surface Mounted Manifold Housing 42-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 1,017.62	57
72446	Surface Mounted Manifold Housing 46-1/2"x28-1/2"x5-7/8"		1	ea.	\$ 1,153.88	57
72469	Surface Mounted Manifold Housing 69"x28-1/2"x5-7/8"	Special Order*	1	ea.	\$ 1,840.86	57
72481	Surface Mounted Manifold Housing 85"x28-1/2"x5-7/8"	Special Order*	1	ea.	\$ 2,086.83	57
72493	Surface Mounted Manifold Housing 93"x28-1/2"x5-7/8"	Special Order*	1	ea.	\$ 2,376.58	57
75102	2 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 548.49	50
75103	3 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 639.71	50
75104	4 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 785.93	50
75105	5 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 877.27	50
75106	6 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 987.03	50
75107	7 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 1,078.37	50
75108	8 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 1,224.65	50
75109	9 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 1,325.06	50
75110	10 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 1,425.81	50
75111	11 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 1,626.64	50
75112	12 Loop 1-1/4" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 1,827.90	50
75202	2 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 527.83	50
75203	3 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 605.76	50
75204	4 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 739.61	50
75205	5 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 817.67	50
75206	6 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 914.37	50
75207	7 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 992.55	50
75208	8 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 1,126.31	50
75209	9 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 1,213.66	50
75210	10 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 1,301.20	50
75211	11 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 1,490.53	50
75212	12 Loop 1-1/4" High Flow SS Manifold	July 2023	1	ea.	\$ 1,680.00	50
76100	Coupling for SS Manifold	WSL	1	ea.	\$ 57.04	141
76101	Mounting Bracket for SS Manifold	WSL	1	ea.	\$ 46.77	141
76102	2 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 548.49	
76103	3 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 639.71	
76104	4 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 785.93	
76105	5 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 877.27	
76106	6 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 987.03	
76107	7 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 1,078.37	
76108	8 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 1,224.65	
76109	9 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 1,325.06	
76110	10 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 1,425.81	
76111	11 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 1,626.64	
76112	12 Loop SS Manifold with Flow Meters	WSL	1	ea.	\$ 1,827.90	
76192	1" NPT Adapter for SS Manifold	Discontinued	1	ea.	\$ 54.58	
76202	2 Loop High Flow SS Manifold	WSL	1	ea.	\$ 527.83	
76203	3 Loop High Flow SS Manifold	WSL	1	ea.	\$ 605.76	
76204	4 Loop High Flow SS Manifold	WSL	1	ea.	\$ 739.61	
76205	5 Loop High Flow SS Manifold	WSL	1	ea.	\$ 817.67	
76206	6 Loop High Flow SS Manifold	WSL	1	ea.	\$ 914.37	
76207	7 Loop High Flow SS Manifold	WSL	1	ea.	\$ 992.55	

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
76208	8 Loop High Flow SS Manifold	WSL	1	ea.	\$ 1,126.31	
76209	9 Loop High Flow SS Manifold	WSL	1	ea.	\$ 1,213.66	
76210	10 Loop High Flow SS Manifold	WSL	1	ea.	\$ 1,301.20	
76211	11 Loop High Flow SS Manifold	WSL	1	ea.	\$ 1,490.53	
76212	12 Loop High Flow SS Manifold	WSL	1	ea.	\$ 1,680.00	
76600	Coupling for 2" SS Manifold	WSL	1	pair	\$ 167.05	142
76601	Loctite 55		1	ea.	\$ 147.08	55
76604	4 Loop 2" SS Manifold	Discontinued	1	ea.	\$ 803.15	
76605	5 Loop 2" SS Manifold	WSL	1	ea.	\$ 978.63	
76606	6 Loop 2" SS Manifold	Discontinued	1	ea.	\$ 1,629.55	
76607	7 Loop 2" SS Manifold	Discontinued	1	ea.	\$ 1,236.23	
76608	8 Loop 2" SS Manifold	WSL	1	ea.	\$ 1,989.65	
76609	9 Loop 2" SS Manifold	WSL	1	ea.	\$ 1,494.30	
76610	10 Loop 2" SS Manifold	WSL	1	ea.	\$ 2,355.88	
76611	11 Loop 2" SS Manifold	WSL	1	ea.	\$ 1,701.64	
76612	12 Loop 2" SS Manifold	WSL	1	ea.	\$ 2,807.30	
76614	14 Loop 2" SS Manifold	WSL	1	ea.	\$ 2,857.04	
76675	1" Cap and Washer for 1-½" and 2" SS Manifold		1	pair	\$ 44.97	55
76680	O-ring for 2" SS Manifold, Closed End, and Open End Adapters	WSL	1	ea.	\$ 5.37	142
76706	6 Loop 1-½" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 2,336.26	53
76708	8 Loop 1-½" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 2,788.36	53
76710	10 Loop 1-½" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 3,246.59	53
76712	12 Loop 1-½" SS Manifold with Flow Meters	July 2023	1	ea.	\$ 3,790.01	53
76840	1-½" MNPT Assembly Kit for 2" SS Manifold	WSL	1	ea.	\$ 430.71	
76850	2" MNPT Assembly Kit for 2" SS Manifold	WSL	1	ea.	\$ 430.42	
76905	½" Plug for 1-¼" SS Manifold		1	ea.	\$ 11.22	141
76911	Zone Valve Insert for 1-¼" SS Manifold (Return)	WSL	1	ea.	\$ 38.53	141
76912	Balancing Valve Insert for High Flow SS Manifold (Supply)	WSL	1	ea.	\$ 29.64	142
76916	Flow Meter Valve Insert (0-1.5 USgpm Lock Nut) for 1-¼" SS Mfd (Sup.)	WSL	1	ea.	\$ 69.22	142
76917	Flow Meter Valve Insert (0-6 L/min) for 1-¼" SS Manifold (New Design)	WSL	1	ea.	\$ 66.04	142
76918	Connector Base for 1-¼" SS Manifold (Flow Meter w/Lock Nut)	WSL	1	ea.	\$ 14.01	142
76919	Connector Base for 1-¼" SS Manifold	WSL	1	ea.	\$ 14.04	142
76922	1" Ball Valve Set for 1-¼" SS Manifold	WSL	1	set	\$ 296.59	142
76924	O-ring for 1-¼" SS Manifold Coupling and End Connections	WSL	1	ea.	\$ 3.90	142
76925	Black Shut-off Cap for 1-¼" SS Manifold	WSL	1	ea.	\$ 6.80	142
76930	Hose Bib for 1-¼" SS Manifold		1	ea.	\$ 64.30	142
76932	Automatic Air Vent for 1-¼" SS Manifold		1	ea.	\$ 50.66	55
76935	Side Mount Automatic Air Vent Set for 1-¼" SS Manifold	WSL	1	ea.	\$ 123.06	142
76936	Pressure Bypass for 1-¼" SS Manifold (requires 77105 & PEX)	Discontinued	1	ea.	\$ 373.78	
76937	Pressure Bypass Kit for 1-¼" SS Manifold	Discontinued	1	ea.	\$ 379.29	
76940	Strap-on Thermometer		1	ea.	\$ 43.76	132
76944	Side Mount Automatic Air Vent Kit for 1-¼" SS Manifold	July 2023	1	ea.	\$ 191.90	52
76945	Pressure Bypass Kit for 1-¼" SS Manifold	July 2023	1	ea.	\$ 190.19	52
76946	Coupling Kit for 1-½" SS Manifold	July 2023	1	ea.	\$ 86.72	52
76947	Elbow Kit for 1-¼" SS Manifold	July 2023	1	ea.	\$ 155.39	52
76948	Insulation Kit for 1-¼" SS Manifold, 12 Ports	Special Order*	1	ea.	\$ 101.12	52
76949	Insulation Kit for 1-¼" SS Manifold Ball Valve	Special Order*	1	ea.	\$ 32.80	52
76964	Coupling Kit for 1-½" SS Manifold	July 2023	1	ea.	\$ 296.10	54
77005	½" PEX to TwistSeal® Manifold Connector		1	pair	\$ 22.46	48
77012	¾" PEX to TwistSeal® Manifold Connector	WSL	1	pair	\$ 30.24	140
77019	¾" PEX to TwistSeal® Manifold Connector		1	pair	\$ 30.02	48

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
77022	¾" PEX to TwistSeal® Manifold Connector c/w Nut		1	pair	\$ 48.69	48
77100	Port Cap for 1-¼" SS Manifold		1	pair	\$ 20.97	51
77105	½" PEX to 1-¼" SS Manifold Connector		1	pair	\$ 30.35	51
77119	¾" PEX to 1-¼" SS Manifold Connector		1	pair	\$ 36.38	51
77120	20mm PEX to 1-¼" SS Manifold Connector	New!	1	pair	\$ 36.38	142
77122	¾" PEX to 1-¼" SS Manifold Connector		1	pair	\$ 70.94	51
77305	½" PEX Insert to 1-¼" SS Manifold Connector		1	pair	\$ 29.73	51
77519	¾" PEX to 1-½" SS Manifold Connector	July 2023	1	pair	\$ 59.62	54
77522	¾" PEX to 1-½" SS Manifold Connector	July 2023	1	pair	\$ 59.80	54
77600	O-Ring for 2" Manifold PEX Connectors	WSL	1	ea.	\$ 1.60	142
77619	¾" PEX to 2" SS Manifold Connector	WSL	1	pair	\$ 59.62	143
77622	¾" PEX to 2" SS Manifold Connector	WSL	1	pair	\$ 59.80	143
77628	1" PEX to 2" SS Manifold Connector	WSL	1	pair	\$ 80.95	143
77729	O-ring for PEX to TwistSeal® Manifold Connector		10	ea.	\$ 1.41	140
77739	O-ring for PEX to 1-¼" SS Manifold Connector	WSL	10	ea.	\$ 2.28	142
78200	TwistSeal® Mini Deluxe (40mm) Z.V. Supply & Balancing Return Module Pair		1	pair	\$ 149.04	47
78210	TwistSeal® Mini Deluxe (40mm) Zone Valve Supply Module		1	ea.	\$ 94.64	139
78211	TwistSeal® Mini Deluxe (40mm) Balancing Return Module		1	ea.	\$ 96.98	139
78221	TwistSeal® Mini (40mm) Zone Valve Replacement Cartridge c/w O-ring		1	ea.	\$ 46.87	139
78302	TwistSeal® Mini (40mm) 2-port Z.V. Supply & Flow Meter Return Module Pair		1	pair	\$ 231.35	47
78303	TwistSeal® Mini (40mm) 3-port Z.V. Supply & Flow Meter Return Module Pair		1	pair	\$ 346.97	47
78311	TwistSeal® Mini Z.V. Rplcmnt. Cartridge for Multiport Module		1	ea.	\$ 32.12	139
78312	TwistSeal® Mini Flow Meter Replacement Cartridge for 78300 Modules		1	ea.	\$ 59.63	139
78314	Assembly tool for TwistSeal® Mini Multiport Valves		1	ea.	\$ 14.97	135
78400	TwistSeal® Deluxe (55mm) Z.V. Supply & Balancing Return Module Pair		1	pair	\$ 201.82	44
78401	TwistSeal® Deluxe (55mm) Zone Valve Supply Module		1	ea.	\$ 143.39	139
78402	TwistSeal® Deluxe (55mm) Balancing Return Module		1	ea.	\$ 134.58	139
78411	TwistSeal® (55mm) Zone Valve Replacement Cartridge c/w O-ring		1	ea.	\$ 94.66	139
78811	TwistSeal® Mini (40mm) Z.V. Upgrade Asmbl.	WSL	1	ea.	\$ 77.72	140
78812	TwistSeal® Mini (40mm) Balance Valve Assembly	WSL	1	ea.	\$ 72.85	140
78902	Plastic Nut for TwistSeal® Manifold Modules		1	ea.	\$ 10.19	140
78904	Shut-off Cap TwistSeal® - Red	WSL	1	ea.	\$ 8.02	140
78905	TwistSeal® Zone Actuator Base (40mm & 55mm)	WSL	1	ea.	\$ 3.55	140
78906	Balancing Valve Cap with Clip for TwistSeal® Manifold	WSL	1	ea.	\$ 18.00	140
78911	TwistSeal® (55mm) Zone Valve Upgrade Assembly	WSL	1	ea.	\$ 93.27	139
78912	TwistSeal® (55mm) Balance Valve Assembly	WSL	1	ea.	\$ 72.45	139
78921	O-ring for TwistSeal® Valve Insert (40 & 55mm)	WSL	5	ea.	\$ 1.14	141
78922	O-ring for TwistSeal® Balancing Shaft - 6x2mm (Cone Side)	WSL	5	ea.	\$ 2.70	141
78923	O-ring for TwistSeal® Mini (40mm) & EasyFit™ Manifold Modules		5	ea.	\$ 3.04	140
78924	O-ring for TwistSeal® (55mm) Manifold Module		5	ea.	\$ 4.77	139
79200	1" TwistSeal® Mini (40mm) Deluxe Manifold Assembly Kit		1	ea.	\$ 244.42	46
79400	1" TwistSeal® (55mm) Deluxe Manifold Assembly Kit		1	ea.	\$ 524.37	44
79801	TwistSeal® Mini (40mm) Closed End Cap		1	ea.	\$ 11.59	140
79808	TwistSeal® Mini (40mm) Cross Tee c/w O-ring	WSL	1	ea.	\$ 30.53	140
79815	1" TwistSeal® Mini (40mm) Union Cross Tee End Connection		1	ea.	\$ 97.31	140
79892	TwistSeal® Multiport (40mm) Double Mounting Bracket		1	ea.	\$ 20.94	46
79901	TwistSeal® (55mm) Closed End Cap		1	ea.	\$ 16.54	139
79902	1" TwistSeal® (55mm) Supply End Connection		1	ea.	\$ 94.27	139
79908	TwistSeal® (55mm) Cross Tee		1	ea.	\$ 55.93	139
79911	½" Cross Tee Plug		1	ea.	\$ 4.18	141
79922	Multiwrench for Manifold Nut and Base		1	ea.	\$ 17.70	135

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
79930	Metal Hose Bib		1	ea.	\$ 97.85	141
79931	Manual Air Vent		1	ea.	\$ 14.47	141
79932	Metal Automatic Air Vent		1	ea.	\$ 80.67	141
79933	Manual Air Vent Key - 5mm Square, Blue		1	ea.	\$ 3.65	141
79934	Plastic Hose Bib		1	ea.	\$ 37.75	141
79935	Pressure Test Kit		1	ea.	\$ 230.82	132
79936	Plastic Automatic Air Vent		1	ea.	\$ 30.48	141
79940	Pair Thermometers c/w Well for TwistSeal® Manifolds		1	pair	\$ 144.96	141
79942	Pair Thermometers for TwistSeal® Mini Union Cross Tee End Connection		1	pair	\$ 63.02	140
79951	100g Bottle Non-toxic Silicone O-ring Lubricant		1	ea.	\$ 66.86	135
79952	10g Bottle Non-toxic Silicone O-ring Lubricant		1	ea.	\$ 13.83	135
79953	Red Rubber Gasket for 1" Union End Connection (40mm) Air Tests	WSL	1	pair	\$ 9.62	140
79954	Gasket for TwistSeal® Mini (40mm) 1" Union Supply End Connection		1	pair	\$ 9.13	140
79955	O-ring for ½" Cross Tee Accessories	WSL	5	ea.	\$ 0.84	141
79965	Pressure Test Kit with Extra Valve to Zero Gauge		1	ea.	\$ 265.41	132
79991	TwistSeal® (55mm) Mounting Bracket		1	ea.	\$ 25.60	44
86005	½" Conduit 90s		1	ea.	\$ 5.82	84
86020	¾" Conduit 90s		1	ea.	\$ 7.85	84
86022	¾" Conduit 90s		1	ea.	\$ 12.37	84
86028	1" Conduit 90s		1	ea.	\$ 15.46	84
86105	Plastic Bend Support for ¾" and ½" Tubing		1	ea.	\$ 1.97	84, 131
86122	Plastic Bend Support for ¾" Tubing		1	ea.	\$ 3.70	84, 131
86255	Metal Drop Ear Bend Support for ½" Tubing		25	ea.	\$ 8.08	131
87024	24" Aluminum Heat Transfer Plate for DryAbove™/DryBelow™ Systems		250	ea.	\$ 5.61	83
87205	EndBend™ for DryAbove™ System		25	ea.	\$ 7.71	83
87305	SpacerClip™ for DryAbove™ System		50	ea.	\$ 2.56	83
88205	½" 9ft PEX-a Tubing Support	New!	5	ea.	\$ 24.96	131
88222	¾" 9ft PEX-a Tubing Support	New!	5	ea.	\$ 28.08	131
88228	1" 9ft PEX-a Tubing Support	New!	5	ea.	\$ 30.05	131
88235	1-¼" 9ft PEX-a Tubing Support	New!	5	ea.	\$ 37.20	131
88241	1-½" 9ft PEX-a Tubing Support	New!	5	ea.	\$ 42.18	131
88254	2" 9ft PEX-a Tubing Support	New!	5	ea.	\$ 48.05	131
89000	Tubing Tracking		400	ft.	\$ 1.86	83
89010	500 Track Staples		1	bag	\$ 187.25	81
89105	1000 Tie Straps - 5.5"		1	bag	\$ 99.01	81
89107	1000 Tie Straps - 7.5"		1	bag	\$ 104.27	81
89244	300× 2-¾" (60mm) Staples for Stand-up Stapler		1	box	\$ 70.18	81, 133
89251	300× 1-½" Staples for HeatLink® Deluxe Staple Gun		1	box	\$ 75.54	81, 133
89252	300× 2" Staples for HeatLink® Deluxe Staple Gun		1	box	\$ 93.28	81, 133
92128bs	1" 100ft Blue PureLink® Plus Pipe-in-Pipe		1	coil	\$ 498.600	11
92128rs	1" 100ft Red PureLink® Plus Pipe-in-Pipe		1	coil	\$ 498.600	11
92305bcs	1-¼" 300ft Blue Corrugated Sleeve for ½" PEX		1	ea.	\$ 215.700	11
92305bs	½" 300ft Blue PureLink® Plus Pipe-in-Pipe		1	coil	\$ 447.300	11
92305rs	½" 300ft Red PureLink® Plus Pipe-in-Pipe		1	coil	\$ 447.300	11
92322bcs	1-¾" 300ft Blue Corrugated Sleeve for ¾" PEX		1	ea.	\$ 366.000	11
92322bs	¾" 300ft Blue PureLink® Plus Pipe-in-Pipe		1	coil	\$ 857.700	11
92322rs	¾" 300ft Red PureLink® Plus Pipe-in-Pipe		1	coil	\$ 857.700	11
94019400	¾" 400ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 534.00	40
94105	½" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 775.00	40
94119	¾" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 1,335.00	40
94122	¾" 1000ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 1,783.00	40

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
94128	1" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 348.40	40
94135	1-1/4" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 591.80	40
94141	1-1/2" 100ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 887.80	40
94205	1/2" 250ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 193.75	40
94222	3/4" 10x20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	bundle	\$ 356.60	41
94228	1" 5x20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	bundle	\$ 348.40	41
94235	1-1/4" 5x20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	bundle	\$ 591.80	41
94241	1-1/2" 5x20ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	bundle	\$ 887.80	41
94305	1/2" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 232.50	40
94305rs	1/2" 300' O ₂ Barrier HeatLink® Pipe-in-Pipe Red Sheath	Special Order*	1	coil	\$ 458.40	41
94319	3/4" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	Discontinued	1	coil	\$ 400.50	
94322	3/4" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 534.90	40
94322rs	3/4" 300' O ₂ Barrier HeatLink® Pipe-in-Pipe Red Sheath	Special Order*	1	coil	\$ 879.00	41
94335	1-1/4" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 1,775.40	40
94341	1-1/2" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 2,663.40	40
94505	1/2" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 387.50	40
94519	3/4" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 667.50	40
94522	3/4" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 891.50	40
94528	1" 500ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing		1	coil	\$ 1,742.00	40
BC G2-1	Standard Boiler Panel 3 Pump		1	ea.	\$ 3,992.00	94
BC G2-2	High Capacity Boiler Panel 4 Pump		1	ea.	\$ 4,732.00	94
BC G2-3	BC G.Combi Boiler Panel		1	ea.	\$ 4,215.00	94
CAD01	CAD Boiler Panel 3 Pump		1	ea.	\$ 3,810.00	91
CAD02	CAD Boiler Panel High Capacity 4 Pump		1	ea.	\$ 4,391.00	91
CHVLV20	Check Valve for UPS15-58 Pump		1	ea.	\$ 35.46	146
DRVWSNS-SS	Driveway Sensor for SMP Panels		1	ea.	\$ 2,169.51	80
ECO1ZN3P	ECO Boiler Panel 3 Pump		1	ea.	\$ 3,810.00	89
ECO2ZN4P	ECO Boiler Panel High Capacity 4 Pump		1	ea.	\$ 4,391.00	89
ELBP18	Electric Boiler Panel 18,000BTU		1	ea.	\$ 4,341.00	95
ELBP18TS3	Electric Boiler Panel 18,000BTU with 3 Loop Twist Seal Mini Multiport		1	ea.	\$ 5,188.00	96
ELBP18TS5	Electric Boiler Panel 18,000BTU with 5 Loop Twist Seal Mini Multiport		1	ea.	\$ 5,387.00	96
ELBP30	Electric Boiler Panel 30,000BTU		1	ea.	\$ 7,642.00	95
ELBP30TS3	Electric Boiler Panel 30,000BTU with 3 Loop Twist Seal Mini Multiport		1	ea.	\$ 8,118.00	96
ELBP30TS5	Electric Boiler Panel 30,000BTU with 5 Loop Twist Seal Mini Multiport		1	ea.	\$ 8,170.00	96
ELBP30TS6	Electric Boiler Panel 30,000BTU with 6 Loop Twist Seal Mini Multiport		1	ea.	\$ 8,411.00	96
ELBP30TS7	Electric Boiler Panel 30,000BTU with 7 Loop Twist Seal Mini Multiport		1	ea.	\$ 8,514.00	96
ELBP30TS8	Electric Boiler Panel 30,000BTU with 8 Loop Twist Seal Mini Multiport		1	ea.	\$ 8,615.00	96
ELBP50	Electric Boiler Panel 50,000BTU		1	ea.	\$ 7,806.00	95
ELBP50TS7	Electric Boiler Panel 50,000BTU with 7 Loop Twist Seal Mini Multiport		1	ea.	\$ 9,065.00	96
ETF-144/99A	Slab Sensor (12k) PVC Sleeve 8ft Cable for ETO2SMCNR SnowmeltController		1	ea.	\$ 175.19	80
ETF-1733/44/55	Optional Outdoor Sensor for SMCP & SMP Panels		1	ea.	\$ 361.94	80
ETF1899ASNS	Sensor NTC 12K (Spare parts for #SMCP)	Special Order*	1	ea.	\$ 151.28	144
EX13203	3 Port, 3/4" PEX F1960 x Closed End HPP Multiport Tee		5	ea.	\$ 19.516	31
EX13204	4 Port, 3/4" PEX F1960 x Closed End HPP Multiport Tee		5	ea.	\$ 27.779	31
EX13206	6 Port, 3/4" PEX F1960 x Closed End HPP Multiport Tee		5	ea.	\$ 34.251	31
EX13806	6 Port, 1" PEX F1960 x Closed End HPP Multiport Tee		5	ea.	\$ 60.944	31
EX14202	2 Port, 3/4" x 3/4" PEX F1960 Flow Through HPP Multiport Tee		5	ea.	\$ 16.750	31
EX14203	3 Port, 3/4" x 3/4" PEX F1960 Flow Through HPP Multiport Tee		5	ea.	\$ 22.220	31
EX14204	4 Port, 3/4" x 3/4" PEX F1960 Flow Through HPP Multiport Tee		5	ea.	\$ 28.342	31
EX14706	6 Port, 1" x 3/4" PEX F1960 Flow Through HPP Multiport Tee		5	ea.	\$ 68.323	31
EX15005	1/2" PEX F1960 HPP Plug		25	ea.	\$ 1.856	30

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
EX15022	¾" PEX F1960 HPP Plug		25	ea.	\$ 3.215	30
EX15028	1" PEX F1960 HPP Plug		5	ea.	\$ 6.160	30
EX15035	1-¼" PEX F1960 HPP Plug		1	ea.	\$ 23.692	30
EX15041	1-½" PEX F1960 HPP Plug		1	ea.	\$ 33.078	30
EX15054	2" PEX F1960 HPP Plug		1	ea.	\$ 46.879	30
EX16222	¾" x ¾" x ¾" PEX F1960 HPP Tee		25	ea.	\$ 8.098	37
EX16225	¾" x ¾" x ½" PEX F1960 HPP Tee		25	ea.	\$ 6.233	38
EX16252	¾" x ½" x ¾" PEX F1960 HPP Tee		25	ea.	\$ 7.373	38
EX16255	¾" x ½" x ½" PEX F1960 HPP Tee		25	ea.	\$ 5.499	38
EX16332	1-¼" x 1-¼" x ¾" PEX F1960 HPP Tee		1	ea.	\$ 25.160	38
EX16333	1-¼" x 1-¼" x 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 27.275	37
EX16335	1-¼" x 1-¼" x ½" PEX F1960 HPP Tee		1	ea.	\$ 21.415	38
EX16338	1-¼" x 1-¼" x 1" PEX F1960 HPP Tee		1	ea.	\$ 26.547	38
EX16382	1-¼" x 1" x ¾" PEX F1960 HPP Tee		1	ea.	\$ 21.415	38
EX16388	1-¼" x 1" x 1" PEX F1960 HPP Tee		1	ea.	\$ 24.985	38
EX16432	1-½" x 1-¼" x ¾" PEX F1960 HPP Tee		1	ea.	\$ 34.406	38
EX16433	1-½" x 1-¼" x 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 37.788	38
EX16438	1-½" x 1-¼" x 1" PEX F1960 HPP Tee		1	ea.	\$ 35.333	38
EX16442	1-½" x 1-½" x ¾" PEX F1960 HPP Tee		1	ea.	\$ 37.154	38
EX16443	1-½" x 1-½" x 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 36.096	38
EX16444	1-½" x 1-½" x 1-½" PEX F1960 HPP Tee		1	ea.	\$ 40.195	37
EX16448	1-½" x 1-½" x 1" PEX F1960 HPP Tee		1	ea.	\$ 34.194	38
EX16488	1-½" x 1" x 1" PEX F1960 HPP Tee		1	ea.	\$ 32.244	38
EX16552	½" x ½" x ¾" PEX F1960 HPP Tee		25	ea.	\$ 5.516	38
EX16555	½" x ½" x ½" PEX F1960 HPP Tee		25	ea.	\$ 4.312	37
EX16642	2" x 1-½" x ¾" PEX F1960 HPP Tee		1	ea.	\$ 96.696	38
EX16643	2" x 1-½" x 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 99.205	38
EX16644	2" x 1-½" x 1-½" PEX F1960 HPP Tee		1	ea.	\$ 105.810	38
EX16648	2" x 1-½" x 1" PEX F1960 HPP Tee		1	ea.	\$ 80.965	38
EX16662	2" x 2" x ¾" PEX F1960 HPP Tee		1	ea.	\$ 118.785	38
EX16663	2" x 2" x 1-¼" PEX F1960 HPP Tee		1	ea.	\$ 93.908	38
EX16664	2" x 2" x 1-½" PEX F1960 HPP Tee		1	ea.	\$ 86.374	38
EX16666	2" x 2" x 2" PEX F1960 HPP Tee		1	ea.	\$ 101.261	37
EX16668	2" x 2" x 1" PEX F1960 HPP Tee		1	ea.	\$ 87.695	38
EX16822	1" x ¾" x ¾" PEX F1960 HPP Tee		5	ea.	\$ 14.848	38
EX16828	1" x ¾" x 1" PEX F1960 HPP Tee		5	ea.	\$ 16.421	38
EX16882	1" x 1" x ¾" PEX F1960 HPP Tee		5	ea.	\$ 14.749	38
EX16885	1" x 1" x ½" PEX F1960 HPP Tee		10	ea.	\$ 15.927	38
EX16888	1" x 1" x 1" PEX F1960 HPP Tee		10	ea.	\$ 15.137	37
EX17505	½" PEX F1960 x ½" MNPT HPP Adapter		25	ea.	\$ 1.952	34
EX17522	¾" PEX F1960 x ¾" MNPT HPP Adapter		25	ea.	\$ 3.101	34
EX17552	½" PEX F1960 x ¾" MNPT HPP Adapter		25	ea.	\$ 2.515	34
EX17755	½" PEX F1960 x ½" Swivel HPP Adapter		25	ea.	\$ 6.113	35
EX18005	½" x ½" PEX F1960 HPP Elbow		25	ea.	\$ 3.421	33
EX18022	¾" x ¾" PEX F1960 HPP Elbow		25	ea.	\$ 5.881	33
EX18028	1" x 1" PEX F1960 HPP Elbow		10	ea.	\$ 11.643	33
EX18035	1-¼" x 1-¼" PEX F1960 HPP Elbow		1	ea.	\$ 24.492	33
EX18041	1-½" x 1-½" PEX F1960 HPP Elbow		1	ea.	\$ 32.620	33
EX18054	2" x 2" PEX F1960 HPP Elbow		1	ea.	\$ 86.908	33
EX19005	½" x ½" PEX F1960 HPP Coupling		25	ea.	\$ 2.627	32
EX19022	¾" x ¾" PEX F1960 HPP Coupling		25	ea.	\$ 3.853	32

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
EX19028	1" x 1" PEX F1960 HPP Coupling		10	ea.	\$ 6.974	32
EX19035	1-1/4" x 1-1/4" PEX F1960 HPP Coupling		1	ea.	\$ 13.557	32
EX19041	1-1/2" x 1-1/2" PEX F1960 HPP Coupling		1	ea.	\$ 16.179	32
EX19054	2" x 2" PEX F1960 HPP Coupling		1	ea.	\$ 58.747	32
EX19225	3/4" x 1/2" PEX F1960 HPP Coupling		25	ea.	\$ 3.212	32
EX19238	1-1/4" x 1" PEX F1960 HPP Coupling		1	ea.	\$ 11.982	32
EX19243	1-1/2" x 1-1/4" PEX F1960 HPP Coupling		1	ea.	\$ 15.002	32
EX19248	1-1/2" x 1" PEX F1960 HPP Coupling		1	ea.	\$ 14.954	32
EX19264	2" x 1-1/2" PEX F1960 HPP Coupling		1	ea.	\$ 49.732	32
EX19282	1" x 3/4" PEX F1960 HPP Coupling		5	ea.	\$ 13.908	32
EX23305NL	1/2" PEX F1960 No Lead Brass Ball Valve, Full Port		10	ea.	\$ 14.099	39
EX23305NL-D	1/2" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	Fall 2023	10	ea.	\$ 15.510	39
EX23322NL	3/4" PEX F1960 No Lead Brass Ball Valve, Full Port		10	ea.	\$ 17.870	39
EX23322NL-D	3/4" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	Fall 2023	10	ea.	\$ 19.840	39
EX23328NL	1" PEX F1960 No Lead Brass Ball Valve, Full Port		6	ea.	\$ 28.120	39
EX23328NL-D	1" PEX F1960 No Lead Brass Ball Valve with Drain, Full Port	Fall 2023	5	ea.	\$ 31.220	39
EX23335NL	1-1/4" PEX F1960 No Lead Brass Ball Valve, Full Port		4	ea.	\$ 55.536	39
EX23341NL	1-1/2" PEX F1960 No Lead Brass Ball Valve, Full Port		2	ea.	\$ 66.700	39
EX23354NL	2" PEX F1960 No Lead Brass Ball Valve, Full Port		2	ea.	\$ 140.399	39
EX23822NL	3/4" PEX F1960 x 3/4" MNPT No Lead Brass Ball Valve		10	ea.	\$ 16.300	39
EX24205	1/2" PEX F1960 Expansion Ring		100	ea.	\$ 0.648	30
EX24219	5/8" PEX F1960 Expansion Ring	New!	50	ea.	\$ 0.960	30
EX24222	3/4" PEX F1960 Expansion Ring		50	ea.	\$ 0.917	30
EX24228	1" PEX F1960 Expansion Ring		50	ea.	\$ 2.807	30
EX24235	1-1/4" PEX F1960 Expansion Ring		10	ea.	\$ 3.258	30
EX24241	1-1/2" PEX F1960 Expansion Ring		10	ea.	\$ 4.282	30
EX24250	2" PEX F1960 Expansion Ring		5	ea.	\$ 7.048	30
EX26222NL	3/4" x 3/4" x 3/4" PEX F1960 No Lead Brass Tee	WSL; see EX16222	25	ea.	\$ 25.359	37
EX26225NL	3/4" x 3/4" x 1/2" PEX F1960 No Lead Brass Tee	WSL; see EX16225	25	ea.	\$ 25.287	37
EX26252NL	3/4" x 1/2" x 3/4" PEX F1960 No Lead Brass Tee	WSL; see EX16252	25	ea.	\$ 27.189	37
EX26255NL	3/4" x 1/2" x 1/2" PEX F1960 No Lead Brass Tee	WSL; see EX16255	25	ea.	\$ 27.532	37
EX26555NL	1/2" x 1/2" x 1/2" PEX F1960 No Lead Brass Tee	WSL; see EX16555	25	ea.	\$ 15.902	37
EX26822NL	1" x 3/4" x 3/4" PEX F1960 No Lead Brass Tee	WSL; see EX16822	5	ea.	\$ 40.052	37
EX26882NL	1" x 1" x 3/4" PEX F1960 No Lead Brass Tee	WSL; see EX16882	5	ea.	\$ 36.509	37
EX26885NL	1" x 1" x 1/2" PEX F1960 No Lead Brass Tee	WSL; see EX16885	10	ea.	\$ 36.089	37
EX26888NL	1" x 1" x 1" PEX F1960 No Lead Brass Tee	WSL; see EX16888	10	ea.	\$ 40.198	37
EX27105NL	1/2" PEX F1960 x 1/2" M/Sweat No Lead Brass Adapter		25	ea.	\$ 6.316	36
EX27122NL	3/4" PEX F1960 x 3/4" M/Sweat No Lead Brass Adapter		25	ea.	\$ 13.506	36
EX27128NL	1" PEX F1960 x 1" M/Sweat No Lead Brass Adapter		10	ea.	\$ 24.292	36
EX27135NL	1-1/4" PEX F1960 x 1-1/4" M/Sweat No Lead Brass Adapter		5	ea.	\$ 63.875	36
EX27141NL	1-1/2" PEX F1960 x 1-1/2" M/Sweat No Lead Brass Adapter		5	ea.	\$ 101.628	36
EX27154NL	2" PEX F1960 x 2" M/Sweat No Lead Brass Adapter		5	ea.	\$ 288.360	36
EX27205NL	1/2" PEX F1960 x 1/2" F/Sweat No Lead Brass Adapter		25	ea.	\$ 6.311	36
EX27222NL	3/4" PEX F1960 x 3/4" F/Sweat No Lead Brass Adapter		25	ea.	\$ 14.062	36
EX27228NL	1" PEX F1960 x 1" F/Sweat No Lead Brass Adapter		10	ea.	\$ 23.756	36
EX27235NL	1-1/4" PEX F1960 x 1-1/4" F/Sweat No Lead Brass Adapter		5	ea.	\$ 71.530	36
EX27241NL	1-1/4" PEX F1960 x 1-1/4" F/Sweat No Lead Brass Adapter		5	ea.	\$ 102.280	36
EX27254NL	2" PEX F1960 x 2" F/Sweat No Lead Brass Adapter		5	ea.	\$ 295.590	36
EX27505NL	1/2" PEX F1960 x 1/2" MNPT No Lead Brass Adapter		25	ea.	\$ 8.665	34
EX27522NL	3/4" PEX F1960 x 3/4" MNPT No Lead Brass Adapter		25	ea.	\$ 16.607	34
EX27528NL	1" PEX F1960 x 1" MNPT No Lead Brass Adapter		10	ea.	\$ 35.658	34

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
EX27535NL	1-1/4" PEX F1960 × 1-1/4" MNPT No Lead Brass Adapter		5	ea.	\$ 97.679	34
EX27541NL	1-1/2" PEX F1960 × 1-1/2" MNPT No Lead Brass Adapter		5	ea.	\$ 110.490	34
EX27554NL	2" PEX F1960 × 2" MNPT No Lead Brass Adapter		5	ea.	\$ 322.964	34
EX27605NL	1/2" PEX F1960 × 1/2" FNPT No Lead Brass Adapter		25	ea.	\$ 18.797	35
EX27622NL	3/4" PEX F1960 × 3/4" FNPT No Lead Brass Adapter		25	ea.	\$ 20.844	35
EX27628NL	1" PEX F1960 × 1" FNPT No Lead Brass Adapter		25	ea.	\$ 41.934	35
EX27635NL	1-1/4" PEX F1960 × 1-1/4" FNPT No Lead Brass Adapter		5	ea.	\$ 105.587	35
EX27641NL	1-1/2" PEX F1960 × 1-1/2" FNPT No Lead Brass Adapter		5	ea.	\$ 174.771	35
EX28005NL	1/2" × 1/2" PEX F1960 No Lead Brass Elbow	WSL; see EX18005	25	ea.	\$ 12.672	33
EX28022NL	3/4" × 3/4" PEX F1960 No Lead Brass Elbow	WSL; see EX18022	25	ea.	\$ 18.653	33
EX28028NL	1" × 1" PEX F1960 No Lead Brass Elbow	WSL; see EX18028	10	ea.	\$ 27.660	33
EX28305NL	1/2" PEX F1960 × 1/2" FNPT Drop Ear No Lead Brass Elbow		10	ea.	\$ 21.591	35
EX29005NL	1/2" × 1/2" PEX F1960 No Lead Brass Coupling	WSL; see EX19005	25	ea.	\$ 5.208	32
EX29022NL	3/4" × 3/4" PEX F1960 No Lead Brass Coupling	WSL; see EX19022	25	ea.	\$ 10.799	32
EX29028NL	1" × 1" PEX F1960 No Lead Brass Coupling	WSL; see EX19028	10	ea.	\$ 15.015	32
EX29225NL	3/4" × 1/2" PEX F1960 No Lead Brass Coupling	WSL; see EX19225	25	ea.	\$ 11.779	32
EX29282NL	1" × 3/4" PEX F1960 No Lead Brass Coupling	WSL; see EX19282	10	ea.	\$ 15.425	32
EX77305	1/2" PEX F1960 to 1-1/4" SS Manifold Connector	New!	1	pair	\$ 35.15	51
EX77319	3/4" PEX F1960 to 1-1/4" SS Manifold Connector	New!	1	pair	\$ 39.37	51
EX77322	1/2" PEX F1960 to 1-1/4" SS Manifold Connector	New!	1	pair	\$ 45.65	51
EX77419	3/4" PEX F1960 to 1-1/2" SS Manifold Connector	July 2023	1	pair	\$ 54.91	54
EX77422	1/2" PEX F1960 to 1-1/2" SS Manifold Connector	July 2023	1	pair	\$ 58.41	54
EX77428	1" PEX F1960 to 1-1/2" SS Manifold Connector	July 2023	1	pair	\$ 64.33	54
FLWSWTCH	Flow Switch for Domestic Hot Water Priority		1	ea.	\$ 307.99	102
HEP025P	HEP 25MBH Isolation Heat Exchanger Panel		1	ea.	\$ 5,244.00	104
HEP025R	HEP 25MBH Isolation Heat Exchanger Panel Lite		1	ea.	\$ 3,828.00	105
HEP025RT	HEP 25MBH Isolation Heat Exchanger Panel Lite w/Timer		1	ea.	\$ 4,037.00	106
HEP025RTDP	HEP 25MBH Isolation Heat Exchanger Panel Dual Pump w/Timer		1	ea.	\$ 4,974.00	106
HEP080P	HEP 80MBH Isolation Heat Exchanger Panel		1	ea.	\$ 5,697.00	104
HEP080RT	HEP 80MBH Isolation Heat Exchanger Panel Lite w/Timer		1	ea.	\$ 4,289.00	106
HEP080RTDP	HEP 80MBH Isolation Heat Exchanger Panel Dual Pump w/Timer		1	ea.	\$ 5,399.00	106
HEP095P	HEP 95MBH Isolation Heat Exchanger Panel		1	ea.	\$ 7,838.00	104
Knight01	Panel for Knight Wall Mount Boiler (3 Pump)		1	ea.	\$ 3,810.00	92
Knight02	Panel for Knight Wall Mount Boiler (4 Pump)		1	ea.	\$ 4,391.00	92
NTRWSH1	1" x 3mm Blk Nitrile Washer for Panels		5	ea.	\$ 4.61	145
NTRWSH1-SRV	1" x 1.5mm Blk Nitrile (replacement washers Pre-2014 Panels)		5	ea.	\$ 4.21	145
NTRWSH34	3/4" x 3mm Blk Nitrile Washer for Panels		5	ea.	\$ 2.49	145
NTRWSH34-SRV	3/4" x 1.5mm Blk Nitrile (replacement washers Pre-2014 Panels)		5	ea.	\$ 2.13	145
OPT-SMP-680	Optional SMP Control Upgrade to BMS 680 BACnet (30090,30091 Sold Sep.)		1	ea.	\$ 5,655.00	130
PC2319CVR	Powder Coated Cover 23"x19" for HEP025/80R/T/DP,3WMIX,4WMIX		1	ea.	\$ 334.83	105
PLC1R2	Controller for TMP04%70, SMP, ZMP, ELB and old SSP/SST		1	ea.	\$ 1,081.69	145
PLC4AR2	Controller for TMP085DP, TMP200DT		1	ea.	\$ 1,132.92	145
PLC5R2	Controller for TWH070Z using FLWSWTCH		1	ea.	\$ 1,657.80	145
PLC6R2P3	Controller for CDP Panels with 3 Pumps	Call for Availability; see PWRB6R2	1	ea.	\$ 1,257.07	145
PLC6R2P4	Controller for CDP Panels with 4 Pumps	Call for Availability; see PWRB6R2	1	ea.	\$ 1,583.91	145
PLC7R1P1	Controller for WHP using HEPPS		1	ea.	\$ 1,280.11	145
PLC7R1P2	Controller for HEP using HEPPS		1	ea.	\$ 1,280.11	145
PLC7R1P2-TWH	Controller for TWH (except for Z models) using HEPPS		1	ea.	\$ 1,355.49	145
PLC7R2P1	Controller for WHP using FLWSWTCH		1	ea.	\$ 1,081.15	145
PLC7R2P2	Controller for HEP, TWH (except Z) using FLWSWTCH		1	ea.	\$ 1,081.65	146

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
PLINTR40VA	24Vac 40VA Plug-In Transformer for Panels		1	ea.	\$ 182.47	74, 146
PUMP1558	UPS15-58RU Composite 115V Pump		1	ea.	\$ 508.94	146
PUMP2699	UPS26-99FC 115V Cast Iron Pump		1	ea.	\$ 1,205.41	146
PUMP2699BR	UPS26-99BFC 115V Bronze Pump		1	ea.	\$ 1,932.12	146
PWRB2TH	Power Box 2-Terminal Header	Discontinued	5	ea.	\$ 9.12	
PWRB3TH	Power Box 3-Terminal Header	Discontinued	5	ea.	\$ 13.77	
PWRB6R2	Power Box for CDP Panels	WSL	1	ea.	\$ 1,202.45	146
SMCP	Snowmelt Control c/w ETO2 DDC and 2 Strap On Sensors	WSL; see 30654	1	ea.	\$ 2,297.68	80
SMCP-654	Snow Melt Control Package - 30654	New!	1	ea.	\$ 2,757.63	78
SMP175-654-HEX	SMP 175MBH SS Snow Melt Panel 2x20 HEX (30090,30091 sold sep)	New!	1	ea.	\$ 17,556.00	127
SMP175SS-HEX	SMP 175MBH SS Snow Melt Panel 2x20 HEX (DRVWSNS-SS sold sep)	WSL; see SMP175-654-HEX	1	ea.	\$ 17,556.00	
SMP300-654-HEX	SMP 300MBH SS Snow Melt Panel 2x30 HEX (30090,30091 sold sep)	New!	1	ea.	\$ 17,843.00	127
SMP300-654-HEX-H	SMP 365MBH SS Snow Melt Panel 3x30 HEX & HH Pump (30090,30091 sold sep)	New!	1	ea.	\$ 19,988.00	127
SMP300-654-HEX-HH	SMP 365MBH SS Snow Melt Panel 3x30 HEX & 2xHH Pump (30090,30091 sold sep)	New!	1	ea.	\$ 21,718.00	127
SMP300SS-HEX	SMP 300MBH SS Snow Melt Panel 2x30 HEX (DRVWSNS-SS sold sep)	WSL; see SMP300-654-HEX	1	ea.	\$ 17,843.00	
SMP300SS-HEX-H	SMP 365MBH SS Snow Melt Panel 3x30 HEX & HH Pump (DRVWSNS-SS sold sep)	WSL; see SMP300-654-HEX-H	1	ea.	\$ 19,988.00	
SMP335	SMP 335MBH Copper Snow Melt Panel 4x20 Plate HEX (DRVWSNS-SS sold sep)	WSL; see SMP335-654	1	ea.	\$ 38,661.00	
SMP335-654	SMP 335MBH Copper Snow Melt Panel 4x20 Plate HEX (30090,30091 sold sep)	New!	1	ea.	\$ 38,661.00	129
SMP375-654	SMP 300MBH SS Snow Melt Panel (No HEX; 30090,30091 sold sep)	New!	1	ea.	\$ 13,894.00	126
SMP375-654-H	SMP 375MBH SS Snow Melt Panel with HH Pump (No HEX; 30090,30091 sold sep)	New!	1	ea.	\$ 15,008.00	126
SMP375SS	SMP 300MBH SS Snow Melt Panel (No HEX; DRVWSNS-SS sold sep)	WSL; see SMP375-654	1	ea.	\$ 13,894.00	
SMP375SSH	SMP 375MBH SS Snow Melt Panel with HH Pump (No HEX; DRVWSNS-SS sold sep)	WSL; see SMP375-654-H	1	ea.	\$ 15,008.00	
SMP400D	SMP 400MBH Copper Snow Melt Panel (No HEX; DRVWSNS-SS sold sep)	WSL; see SMP400D-654	1	ea.	\$ 30,115.00	
SMP400D-654	SMP 400MBH Copper Snow Melt Panel (No HEX; 30090,30091 sold sep)	New!	1	ea.	\$ 30,115.00	128
SMP425	SMP 425MBH Copper Snow Melt Panel 4x30 Plate HEX (DRVWSNS-SS sold sep)	WSL; see SMP425-654	1	ea.	\$ 39,447.00	
SMP425-654	SMP 425MBH Copper Snow Melt Panel 4x30 Plate HEX (30090,30091 sold sep)	New!	1	ea.	\$ 39,447.00	129
SSAACT	Actuator Mounted on Manifold and Wired to StatLink® in SSP/SST Panel		1	ea.	\$ 183.00	116
SSAAV	Installed Side Mount Auto Air Vent 76935 on Manifold in SSP/SST Panel		1	ea.	\$ 181.00	116
SSAAV2	Installed Side Mount Auto Air Vent Kit 76944 on Manifold in SSP/SST Panel		1	ea.	\$ 320.00	
SSABMS	Installed Wiring for BMS in SSP/SST Panel		1	ea.	\$ 235.00	116
SSACST	Installed Closely Spaced Tees in SSP Panel		1	ea.	\$ 482.00	117
SSADDC	Installed DDC Actuator 56121 on Mixing Valve in SSTs Panel		1	ea.	\$ 367.00	116
SSAEXE10	Upgrade SSP/SST Surface Mount Housing to Extended %0 Loop		1	ea.	\$ 931.00	116
SSAEXE6	Upgrade SSP/SST Surface Mount Housing to Extended % Loop		1	ea.	\$ 753.00	116
SSAIZV	SSP Panel Auto Isolation Zone Valve		1	ea.	\$ 353.00	117
SSAMRC	Installed Outdoor Reset Control 31355 in SST Panel	WSL; see SSAMRC360	1	ea.	\$ 1,239.00	
SSAMRC360	Installed Mixing Reset Control 30360 in SSTL Panel	New!	1	ea.	\$ 2,514.00	116
SSAMXM	Installed Floating Action Mixing Valve Motor 58131 in SSTL Panel		1	ea.	\$ 1,211.00	116
SSAMXMDDC	Installed DDC Mixing Valve Motor 58132 in SSTL Panel		1	ea.	\$ 1,317.00	116
SSAPB	Installed Pressure Bypass 76945 on Manifold in SSP/SST Panel		1	ea.	\$ 392.00	116
SSASL	Installed StatLink® Module in SSP/SST Panel		1	ea.	\$ 662.00	116
SSASLEM	Installed Additional StatLink® Module in SSP/SST Panel		1	ea.	\$ 321.00	
SSASM	Installed Snow Melt Control SMCP in SST Panel (DRVWSNS-SS sold sep)	WSL; see SSASM654	1	ea.	\$ 2,873.00	
SSASM654	Installed Snow Melt Control 30654 in SST Panel (30090,30091 sold sep)	New!	1	ea.	\$ 2,873.00	116
SSASMBAC	Installed Snow Melt Control 31680 for SST (30090/91 sold sep)		1	ea.	\$ 10,977.00	116
SSASSE10	Upgrade SSP/SST Surface Mount Housing to Stainless Steel 8/10 Loop		1	ea.	\$ 2,964.00	116

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
SSASSE12	Upgrade SSP/SST Surface Mount Housing to Stainless Steel 12 Loop		1	ea.	\$ 3,365.00	116
SSASSE6	Upgrade SSP/SST Surface Mount Housing to Stainless Steel 4/6 Loop		1	ea.	\$ 2,852.00	116
SSATH	Installed Thermostatic Head 57094 on Mixing Valve in SSTS Panel		1	ea.	\$ 694.00	116
SSPLR104B	SSP Recessed 4 Loop 1-1/4" SS Man. Large Pump Panel Bot. feed		1	ea.	\$ 4,850.00	110
SSPLR104T	SSP Recessed 4 Loop 1-1/4" SS Man. Large Pump Panel Top feed		1	ea.	\$ 4,850.00	110
SSPLR106B	SSP Recessed 6 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,010.00	110
SSPLR106T	SSP Recessed 6 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,010.00	110
SSPLR108B	SSP Recessed 8 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,482.00	110
SSPLR108T	SSP Recessed 8 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,482.00	110
SSPLR110B	SSP Recessed 10 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,708.00	110
SSPLR110T	SSP Recessed 10 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,708.00	110
SSPLR112B	SSP Recessed 12 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,948.00	110
SSPLR112T	SSP Recessed 12 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,948.00	110
SSPLS104B	SSP SURF MNT 4 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 4,850.00	110
SSPLS104T	SSP SURF MNT 4 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 4,850.00	110
SSPLS106B	SSP SURF MNT 6 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,010.00	110
SSPLS106T	SSP SURF MNT 6 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,010.00	110
SSPLS108B	SSP SURF MNT 8 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,482.00	110
SSPLS108T	SSP SURF MNT 8 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,482.00	110
SSPLS110B	SSP SURF MNT 10 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,708.00	110
SSPLS110T	SSP SURF MNT 10 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,708.00	110
SSPLS112B	SSP SURF MNT 12 Loop 1-1/4" SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,948.00	110
SSPLS112T	SSP SURF MNT 12 Loop 1-1/4" SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,948.00	110
SSPLS204B	SSP SURF MNT 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 4,742.00	110
SSPLS204T	SSP SURF MNT 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 4,742.00	110
SSPLS206B	SSP SURF MNT 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 4,928.00	110
SSPLS206T	SSP SURF MNT 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 4,928.00	110
SSPLS208B	SSP SURF MNT 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,385.00	110
SSPLS208T	SSP SURF MNT 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,385.00	110
SSPLS210B	SSP SURF MNT 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,597.00	110
SSPLS210T	SSP SURF MNT 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,597.00	110
SSPLS212B	SSP SURF MNT 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,827.00	110
SSPLS212T	SSP SURF MNT 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,827.00	110
SSPSR104B	SSP Recessed 4 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed		1	ea.	\$ 4,056.00	110
SSPSR104T	SSP Recessed 4 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed		1	ea.	\$ 4,056.00	110
SSPSR106B	SSP Recessed 6 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed		1	ea.	\$ 4,218.00	110
SSPSR106T	SSP Recessed 6 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed		1	ea.	\$ 4,218.00	110
SSPSR108B	SSP Recessed 8 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed		1	ea.	\$ 4,688.00	110
SSPSR108T	SSP Recessed 8 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed		1	ea.	\$ 4,688.00	110
SSPSR110B	SSP Recessed 10 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed		1	ea.	\$ 4,916.00	110
SSPSR110T	SSP Recessed 10 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed		1	ea.	\$ 4,916.00	110
SSPSR112B	SSP Recessed 12 Loop 1-1/4" SS Manifold Small Pump Panel Bot. Feed		1	ea.	\$ 5,158.00	110
SSPSR112T	SSP Recessed 12 Loop 1-1/4" SS Manifold Small Pump Panel Top Feed		1	ea.	\$ 5,158.00	110
SSPSS104B	SSP SURF MNT 4 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed		1	ea.	\$ 4,056.00	110
SSPSS104T	SSP SURF MNT 4 Loop 1-1/4" SS Man. Small Pump Panel Top Feed		1	ea.	\$ 4,056.00	110
SSPSS106B	SSP SURF MNT 6 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed		1	ea.	\$ 4,218.00	110
SSPSS106T	SSP SURF MNT 6 Loop 1-1/4" SS Man. Small Pump Panel Top Feed		1	ea.	\$ 4,218.00	110
SSPSS108B	SSP SURF MNT 8 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed		1	ea.	\$ 4,688.00	110
SSPSS108T	SSP SURF MNT 8 Loop 1-1/4" SS Man. Small Pump Panel Top Feed		1	ea.	\$ 4,688.00	110
SSPSS110B	SSP SURF MNT 10 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed		1	ea.	\$ 4,916.00	110
SSPSS110T	SSP SURF MNT 10 Loop 1-1/4" SS Man. Small Pump Panel Top Feed		1	ea.	\$ 4,916.00	110

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
SSPSS112B	SSP SURF MNT 12 Loop 1-1/4" SS Man. Small Pump Panel Bot. Feed		1	ea.	\$ 5,158.00	110
SSPSS112T	SSP SURF MNT 12 Loop 1-1/4" SS Man. Small Pump Panel Top Feed		1	ea.	\$ 5,158.00	110
SSTLR104B	SST Recessed 4 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed		1	ea.	\$ 5,263.00	114
SSTLR104T	SST Recessed 4 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed		1	ea.	\$ 5,263.00	114
SSTLR106B	SST Recessed 6 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed		1	ea.	\$ 5,423.00	114
SSTLR106T	SST Recessed 6 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed		1	ea.	\$ 5,423.00	114
SSTLR108B	SST Recessed 8 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed		1	ea.	\$ 5,889.00	114
SSTLR108T	SST Recessed 8 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed		1	ea.	\$ 5,889.00	114
SSTLR110B	SST Recessed 10 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed		1	ea.	\$ 6,121.00	114
SSTLR110T	SST Recessed 10 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed		1	ea.	\$ 6,121.00	114
SSTLR112B	SST Recessed 12 Loop 1-1/4" SS Manifold Large Mixing Panel Bottom Feed		1	ea.	\$ 6,363.00	114
SSTLR112T	SST Recessed 12 Loop 1-1/4" SS Manifold Large Mixing Panel Top Feed		1	ea.	\$ 6,363.00	114
SSTLR204B	SST Recessed 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,217.00	114
SSTLR204T	SST Recessed 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,217.00	114
SSTLR206B	SST Recessed 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,351.00	114
SSTLR206T	SST Recessed 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,351.00	114
SSTLR208B	SST Recessed 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,794.00	114
SSTLR208T	SST Recessed 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,794.00	114
SSTLR210B	SST Recessed 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 6,008.00	114
SSTLR210T	SST Recessed 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 6,008.00	114
SSTLR212B	SST Recessed 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 6,239.00	114
SSTLR212T	SST Recessed 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 6,239.00	114
SSTLS104B	SST SURF MNT 4 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed		1	ea.	\$ 5,263.00	114
SSTLS104T	SST SURF MNT 4 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed		1	ea.	\$ 5,263.00	114
SSTLS106B	SST SURF MNT 6 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed		1	ea.	\$ 5,423.00	114
SSTLS106T	SST SURF MNT 6 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed		1	ea.	\$ 5,423.00	114
SSTLS108B	SST SURF MNT 8 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed		1	ea.	\$ 5,889.00	114
SSTLS108T	SST SURF MNT 8 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed		1	ea.	\$ 5,889.00	114
SSTLS110B	SST SURF MNT 10 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed		1	ea.	\$ 6,121.00	114
SSTLS110T	SST SURF MNT 10 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed		1	ea.	\$ 6,121.00	114
SSTLS112B	SST SURF MNT 12 Loop 1-1/4" SS Man. Large Mixing Panel Bot. Feed		1	ea.	\$ 6,363.00	114
SSTLS112T	SST SURF MNT 12 Loop 1-1/4" SS Man. Large Mixing Panel Top Feed		1	ea.	\$ 6,363.00	114
SSTLS204B	SST SURF MNT 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,217.00	114
SSTLS204T	SST SURF MNT 4 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,217.00	114
SSTLS206B	SST SURF MNT 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,351.00	114
SSTLS206T	SST SURF MNT 6 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,351.00	114
SSTLS208B	SST SURF MNT 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 5,794.00	114
SSTLS208T	SST SURF MNT 8 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 5,794.00	114
SSTLS210B	SST SURF MNT 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 6,008.00	114
SSTLS210T	SST SURF MNT 10 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 6,008.00	114
SSTLS212B	SST SURF MNT 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Bot. Feed		1	ea.	\$ 6,239.00	114
SSTLS212T	SST SURF MNT 12 Loop 1-1/4" High Flow SS Man. Large Pump Panel Top Feed		1	ea.	\$ 6,239.00	114
SSTSR104B	SST Recessed 4 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed		1	ea.	\$ 4,508.00	112
SSTSR104T	SST Recessed 4 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed		1	ea.	\$ 4,508.00	112
SSTSR106B	SST Recessed 6 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed		1	ea.	\$ 4,670.00	112
SSTSR106T	SST Recessed 6 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed		1	ea.	\$ 4,670.00	112
SSTSR108B	SST Recessed 8 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed		1	ea.	\$ 5,138.00	112
SSTSR108T	SST Recessed 8 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed		1	ea.	\$ 5,138.00	112
SSTSR110B	SST Recessed 10 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed		1	ea.	\$ 5,364.00	112
SSTSR110T	SST Recessed 10 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed		1	ea.	\$ 5,364.00	112
SSTSR112B	SST Recessed 12 Loop 1-1/4" SS Manifold Small Mixing Panel Bottom Feed		1	ea.	\$ 5,608.00	112

Stk#	Description	Status	Pkg Qty	Unit	List Price / Unit	Pg.
SSTSR112T	SST Recessed 12 Loop 1-1/4" SS Manifold Small Mixing Panel Top Feed		1	ea.	\$ 5,608.00	112
SSTSR204B	SST Recessed 4 Loop 1-1/4" High Flow SS Manifold Small Mixing Panel Bot. Feed		1	ea.	\$ 4,462.00	112
SSTSR204T	SST Recessed 4 Loop 1-1/4" High Flow SS Manifold Small Mixing Panel Top Feed		1	ea.	\$ 4,462.00	112
SSTSS104B	SST SURF MNT 4 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed		1	ea.	\$ 4,508.00	112
SSTSS104T	SST SURF MNT 4 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed		1	ea.	\$ 4,508.00	112
SSTSS106B	SST SURF MNT 6 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed		1	ea.	\$ 4,670.00	112
SSTSS106T	SST SURF MNT 6 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed		1	ea.	\$ 4,670.00	112
SSTSS108B	SST SURF MNT 8 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed		1	ea.	\$ 5,138.00	112
SSTSS108T	SST SURF MNT 8 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed		1	ea.	\$ 5,138.00	112
SSTSS110B	SST SURF MNT 10 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed		1	ea.	\$ 5,364.00	112
SSTSS110T	SST SURF MNT 10 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed		1	ea.	\$ 5,364.00	112
SSTSS112B	SST SURF MNT 12 Loop 1-1/4" SS Man. Small Mixing Panel Bot. Feed		1	ea.	\$ 5,608.00	112
SSTSS112T	SST SURF MNT 12 Loop 1-1/4" SS Man. Small Mixing Panel Top Feed		1	ea.	\$ 5,608.00	112
SSTSS204B	SST SURF MNT 4 Loop 1-1/4" High Flow SS Manifold Small Mixing Panel Bot. Feed		1	ea.	\$ 4,462.00	112
SSTSS204T	SST SURF MNT 4 Loop 1-1/4" High Flow SS Manifold Small Mixing Panel Top Feed		1	ea.	\$ 4,462.00	112
TFT01	TFT01 Boiler Panel 3 Pump		1	ea.	\$ 3,810.00	93
TFT02	TFT02 High Capacity Boiler 4 Pump		1	ea.	\$ 4,391.00	93
TMP040	TMP 40MBH 3-Way Mixing Panel		1	ea.	\$ 2,706.00	97
TMP070	TMP 70MBH 3-Way Mixing Panel		1	ea.	\$ 3,000.00	97
TMP070RS	TMP 70MBH 3-Way Mixing Panel (Automatic Outdoor Reset)	WSL	1	ea.	\$ 5,751.00	
TMP070Z	TMP 70MBH 3-Way Mixing Panel with Zoning		1	ea.	\$ 4,193.00	98
TMP085DP	TMP 85MBH Dual Pump 3-Way Mixing panel		1	ea.	\$ 4,383.00	99
TMP-MW1P0DSS	TMP-MULTI, PrimaryNone, DHW, LowTmp/SmTMV-2		1	ea.	\$ 6,281.00	101
TMP-MW1P2DSS	TMP-MULTI, Primary26-99, DHW, LowTmp/SmTMV-2		1	ea.	\$ 7,879.00	101
TMP-MW1P0DHSS	TMP-MULTI, PrimaryNone, DHW, HiTmp-1, LowTmp/SmTMV-2		1	ea.	\$ 7,333.00	101
TMP-MW1P2DHSS	TMP-MULTI, Primary26-99, DHW, HiTmp-1, LowTmp/SmTMV-2		1	ea.	\$ 8,931.00	101
TWH070P	TWH 70MBH Tankless Water Heater Mixing Panel (DHW Priority Opt)		1	ea.	\$ 4,147.00	102
TWH070XP	TWH 70MBH HH Tankless Water Heater Mixing Panel (DHW Priority Opt)		1	ea.	\$ 5,965.00	102
TWH070XPZ	TWH 70MBH High Head Tankless Water Heater Mixing Panel with Zoning		1	ea.	\$ 6,624.00	103
TWH070Z	TWH 70MBH Tankless Water Heater Mixing Panel with Zoning		1	ea.	\$ 4,715.00	103
V101	V100 Boiler Panel 1 Htg 1 DHW		1	ea.	\$ 3,992.00	90
V102	V100 Boiler Panel 2 Htg 1 DHW		1	ea.	\$ 4,732.00	90
V103	V100 Boiler Panel 3 Htg		1	ea.	\$ 4,732.00	90

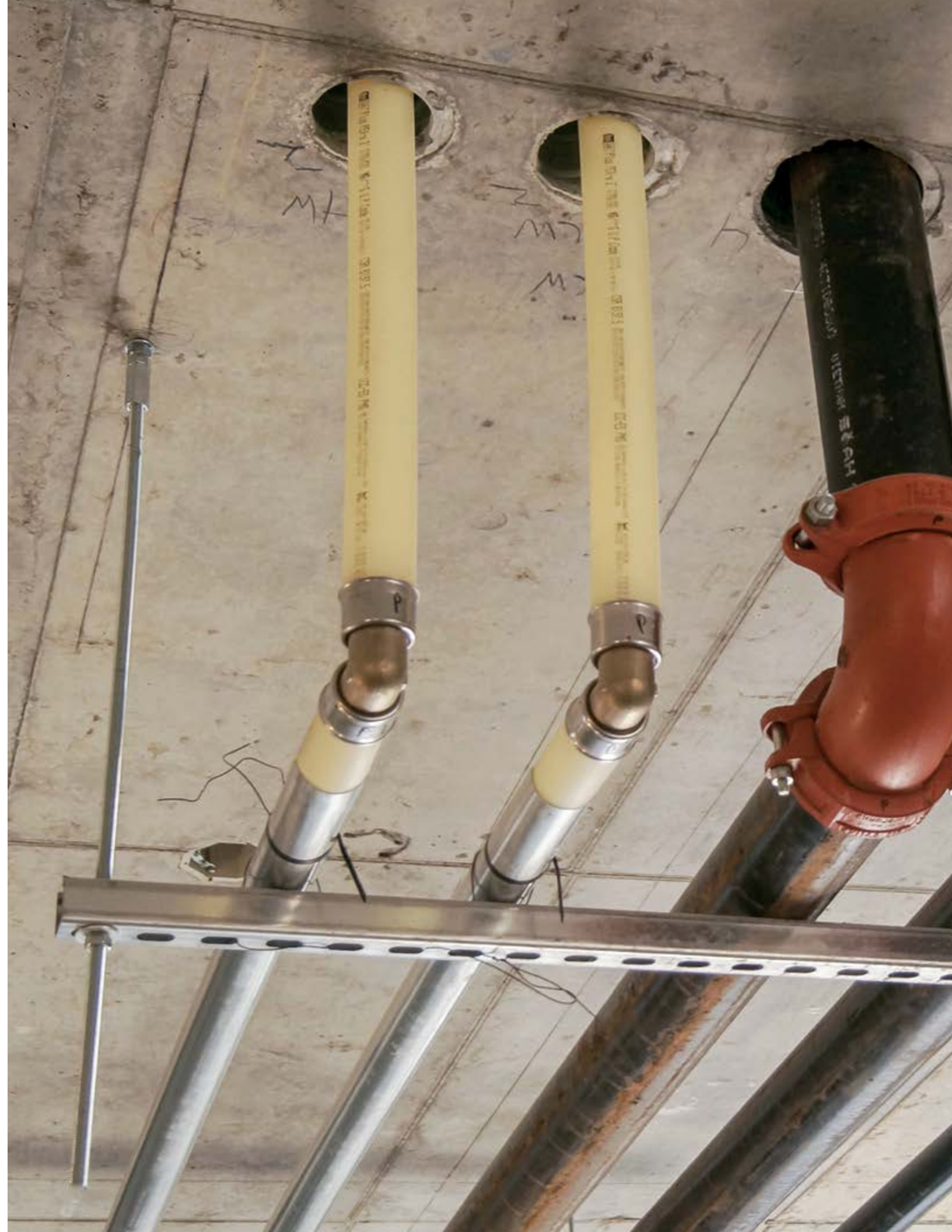
New Products :

Stk#	Description	Pg.	Stk#	Description	Pg.
30095	Aerial Mounted Snow Sensor	79	88205	½" 9ft PEX-a Tubing Support	131
30360	Indoor/Outdoor Mixing Valve Reset Control	77	88222	¾" 9ft PEX-a Tubing Support	131
30654	Snow Melt Control	78	88228	1" 9ft PEX-a Tubing Support	131
3WMIX-360	3-Way Mixing Panel 1-¼" 26-99 Pump	118	88235	1-¼" 9ft PEX-a Tubing Support	131
3WMIX-654	3-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt	123	88241	1-½" 9ft PEX-a Tubing Support	131
3WMIXHH-360	3-Way Mixing Panel 1-¼" 26-150 Pump	118	88254	2" 9ft PEX-a Tubing Support	131
3WMIXHH-654	3-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt	123	EX24219	¾" PEX F1960 Expansion Ring	30
40414	StatLink® 4 Zone Module	76	EX77305	½" PEX F1960 to 1-¼" SS Manifold Connector	51
4WMIX-360	4-Way Mixing Panel 1-¼" 26-99 Pump	120	EX77319	¾" PEX F1960 to 1-¼" SS Manifold Connector	51
4WMIX-654	4-Way Mixing Panel 1-¼" 26-99 Pump Snow Melt	124	EX77322	¾" PEX F1960 to 1-¼" SS Manifold Connector	51
4WMIXHH-360	4-Way Mixing Panel 1-¼" 26-150 Pump	120	EX77419	¾" PEX F1960 to 1-½" SS Manifold Connector	54
4WMIXHH-654	4-Way Mixing Panel 1-¼" 26-150 Pump Snow Melt	124	EX77422	¾" PEX F1960 to 1-½" SS Manifold Connector	54
63022	¾" × 3-Way FNPT Mixing / Diverting Valve, Cv 4.7	62	EX77428	1" PEX F1960 to 1-½" SS Manifold Connector	54
63023	¾" × 3-Way FNPT Mixing / Diverting Valve, Cv 7.3	62	SMCP	Snowmelt Control c/w ETO2 DDC and 2 Strap On Sensors	78
75102	2 Loop 1-¼" SS Manifold with Flow Meters	50	SMP175-654-HEX	SMP 175MBH SS Snow Melt Panel 2×20 HEX (30090,30091 sold sep)	127
75103	3 Loop 1-¼" SS Manifold with Flow Meters	50	SMP300-654-HEX	SMP 300MBH SS Snow Melt Panel 2×30 HEX (30090,30091 sold sep)	127
75104	4 Loop 1-¼" SS Manifold with Flow Meters	50	SMP300-654-HEX-H	SMP 365MBH SS Snow Melt Panel 3×30 HEX & HH Pump (30090,30091 sold sep)	127
75105	5 Loop 1-¼" SS Manifold with Flow Meters	50	SMP300-654-HEX-HH	SMP 365MBH SS Snow Melt Panel 3×30 HEX & 2×HH Pump (30090,30091 sold sep)	127
75106	6 Loop 1-¼" SS Manifold with Flow Meters	50	SMP335-654	SMP 335MBH Copper Snow Melt Panel 4×20 Plate HEX (30090,30091 sold sep)	129
75107	7 Loop 1-¼" SS Manifold with Flow Meters	50	SMP375-654	SMP 300MBH SS Snow Melt Panel (No HEX; 30090,30091 sold sep)	126
75108	8 Loop 1-¼" SS Manifold with Flow Meters	50	SMP375-654-H	SMP 375MBH SS Snow Melt Panel with HH Pump (No HEX; 30090,30091 sold sep)	126
75109	9 Loop 1-¼" SS Manifold with Flow Meters	50	SMP400D-654	SMP 400MBH Copper Snow Melt Panel (No HEX; 30090,30091 sold sep)	128
75110	10 Loop 1-¼" SS Manifold with Flow Meters	50	SMP425-654	SMP 425MBH Copper Snow Melt Panel 4×30 Plate HEX (30090,30091 sold sep)	129
75111	11 Loop 1-¼" SS Manifold with Flow Meters	50	SSAMRC360	Installed Mixing Reset Control 30360 in SSTL Panel	116
75112	12 Loop 1-¼" SS Manifold with Flow Meters	50	SSASM654	Installed Snow Melt Control 30654 in SST Panel (30090,30091 sold sep)	116
75202	2 Loop 1-¼" High Flow SS Manifold	50			
75203	3 Loop 1-¼" High Flow SS Manifold	50			
75204	4 Loop 1-¼" High Flow SS Manifold	50			
75205	5 Loop 1-¼" High Flow SS Manifold	50			
75206	6 Loop 1-¼" High Flow SS Manifold	50			
75207	7 Loop 1-¼" High Flow SS Manifold	50			
75208	8 Loop 1-¼" High Flow SS Manifold	50			
75209	9 Loop 1-¼" High Flow SS Manifold	50			
75210	10 Loop 1-¼" High Flow SS Manifold	50			
75211	11 Loop 1-¼" High Flow SS Manifold	50			
75212	12 Loop 1-¼" High Flow SS Manifold	50			
76706	6 Loop 1-½" SS Manifold with Flow Meters	53			
76708	8 Loop 1-½" SS Manifold with Flow Meters	53			
76710	10 Loop 1-½" SS Manifold with Flow Meters	53			
76712	12 Loop 1-½" SS Manifold with Flow Meters	53			
76944	Side Mount Automatic Air Vent Kit for 1-¼" SS Manifold	52			
76945	Pressure Bypass Kit for 1-¼" SS Manifold	52			
76946	Coupling Kit for 1-¼" SS Manifold	52			
76947	Elbow Kit for 1-¼" SS Manifold	52			
76948	Insulation Kit for 1-¼" SS Manifold, 12 Ports	52			
76949	Insulation Kit for 1-¼" SS Manifold Ball Valve	52			
76964	Coupling Kit for 1-½" SS Manifold	54			
77120	20mm PEX to 1-¼" SS Manifold Connector	142			
77519	¾" PEX to 1-½" SS Manifold Connector	54			
77522	¾" PEX to 1-½" SS Manifold Connector	54			

Discontinued Products :

Stk#	Description	Substitute
01321	1L Postoperational Filtration Cleaner	
02191	O-Ring for the Side Stream Filter	
10092	Dispenser Pin Set For Large PEX Coils	
11435	3-in-1 Confined Space Press Tool with Case	
11435.3	½" SS Collars (Set) for #11435	
11435.4	¾" SS Collars (Set) for #11435	
13808	8 Port Single Row, 1" PEX × Closed End HPP Multiport Tee	
17525	¾" PEX × ½" MNPT HPP Adapter	
17705	½" PEX × Ballcock/Closet FNPT Swivel HPP Adapter	
30076	Indoor Sensor (10K) Small Enclosure	
30077	Indoor Sensor (10K) Flush Mount	
31355	HeatLink® Compact Mixing Reset Control	30360
40318	StatLink® 8 Zone Wired Module	40414
45822	2A Medium Lag (Med. Blow) 5×20mm Glass Fuse for 40190	
62925	Zone Valve Insert 1" (Black Cap)	
64166F	2-½" DIN Flange	
64166G	2-½" Gasket for DIN Flange	
64181F	3" DIN Flange	

Stk#	Description	Substitute
64181G	3" Gasket for DIN Flange	
64931	Pressure Activated Bypass for Mixing Block 64331	
68012	¾" PEX Comp. × ½" MNPT Adapter	
72401	Manifold Mounting Rails for Surface Mount Manifold Housings	
76192	1" NPT Adapter for SS Manifold	
76604	4 Loop 2" SS Manifold	
76606	6 Loop 2" SS Manifold	
76607	7 Loop 2" SS Manifold	
76936	Pressure Bypass for 1-¼" SS Manifold (requires 77105 & PEX)	
76937	Pressure Bypass Kit for 1-¼" SS Manifold	
94319	¾" 300ft O ₂ Barrier HeatLink® UV Stabilized PEX-a Tubing	94019400
PWRB2TH	Power Box 2-Terminal Header	
PWRB3TH	Power Box 3-Terminal Header	





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