### ABOUT MrPEX® SYSTEMS

MrPEX® Systems is one of the leading North American system suppliers of residential and commercial radiant heating/cooling, snowmelt systems, and now offering, PEX-a domestic hot and cold water systems. We are a small but very experienced team on the fast track for growth in the USA and Canadian market. We are the exclusive providers of a unique PEX-a pipe from LK PEX AB in Sweden. As our core product, the MrPEX® PEX-a Tubing, is considerably more flexible, kink-resistant and able to hold more pressure than any other Pex Tubing on the market today, plus comes with an extensive 30 year warranty!

Combined with our highly technical knowledge and dedication to customer service, it’s no wonder MrPEX® Systems is one of the fastest growing radiant system suppliers in North America.

### WHY MrPEX®?

MrPEX® Systems provides all components you need for a superior system, whether radiant heating/cooling, PEX-a plumbing, or snowmelt systems. This includes tubing, fittings, manifolds, controls and accessories that are matched for high performance and reliability over many years of service. When used together, these components provide trouble free installation and long-term reliability. The MrPEX® tubing and fittings meet current national standards of performance and dimensional tolerances. The system package and product offering is growing continually with an emphasis on taking advantage of sustainable energy sources whenever possible. Additionally, we also offer IDC, the state-of-the-art PC based intelligent control systems that delivers optimized comfort and maximized efficiency by coordinating HVAC, Indoor Air Quality, and Hydronic Systems in one control. IDC is also capable of energy monitoring and remote access from anywhere in the world.

### WHO IS MrPEX®?

MrPEX®—Tomas Lenman—started at Wirbo Bruks AB in Sweden as a development engineer in 1971, developing the very first PEX process ever invented. He developed many Standard Specifications for PEX Tubing in Europe and Australia. MrPEX® wrote the ASTM F 876/877 for PEX Tubing during 1982 – 84. In 1982 he co-authored the book “Water and Pipes”. He founded and managed Wirbo Company (USA) 1984 – 1992 and continued consulting for this group until 1996. He authored the CSA B137.5 standard for PEX Tubing in 1989. MrPEX® managed the successful start-up of Roth Industries PEX Tubing Division 1997 – 2001 after which he started his own radiant floor heating company: MrPEX® Systems using PEX Tubing with exclusive distribution in North America for LK PEX AB in Sweden. The unique production process is invented by Mr. Lennart Aagren of Sweden, previously manager of Uponor Innovation AB for many years, and his second innovation of a PEX Tubing manufacturing process. No one has more knowledge and experience with PEX Tubing and Radiant Floor Heating Systems than MrPEX®.
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A Slinky® is suspended on elastic threads around itself. There is no reinforcement along its length. Thus making it remarkably flexible and free to move. The shape remains round. It never kinks, although the bending radius is minimal.

Similarly, PEX molecular chains extend around the tubing like the Slinky® string circles around itself. This makes MrPEX® Tubing extremely flexible and less likely to kink. The molecular chain is aligned to resist stress around its perimeter. It is unusually strong, resisting inside pressure.

The molecular orientation is achieved during extrusion in a very unique process. Crosslinking occurs simultaneously with the orientation. Peroxide crosslinking guarantees optimal tubing properties.

**Oxygen Diffusion**

MrPEX® Barrier PEX Tubing has an Oxygen Diffusion Barrier which meets the stringent requirements of the European DIN 4726 standard. This standard restricts the amount of oxygen that is allowed to permeate the pipe and affect corrodirle cast iron or steel components within the system. The standard restricts permeation to less than or equal to 0.10 g/(m3 d). This is considered to be a safe level.

**MrPEX® PEX-a TUBING W/ OXYGEN BARRIER**

MrPEX® Barrier PEX tubing is Cross-Linked Polyethylene (PEX-a) manufactured in accordance with ASTM F 876. Tubing is listed to ASTM F 876/877 (CSA B137.5) and ICC-PMG 1053, and also certified by NSF (NSF-rfh). MrPEX® Barrier PEX tubing is rated by the Hydrostatic Stress Board of PPI (Plastics Pipe Institute) at: 160 psi at 73.4°F; 100 psi at 180°F; 80 psi at 200°F. MrPEX® Barrier PEX tubing has an EVOH oxygen barrier that meet DIN 4726. Tubing sizes 3/8" through 3/4" also has a thin coating of PE on top of the barrier in order to reduce noise when installed in joist applications and Aluminum heat transfer plates.

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MrPEX® PEX-AL-PEX TUBING

MrPEX® PEX-AL-PEX tubing is a composite pipe manufactured to ASTM F 1281-2005 (CSA B137.10). MrPEX® PEX-AL-PEX tubing is certified by NSF (NSF-rfh) and temperature/pressure rated by the Hydrostatic Stress Board of PPI (Plastics Pipe Institute) in accordance with ASTM F 1281-2005 (CSA B137.10) to 160 psi at 200°F. Not for potable water.

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MANIFOLDS

1 1/4" STAINLESS STEEL MANIFOLDS FOR UP TO 5/8" PEX & PEX-AL-PEX TUBING, 2–12 LOOPS

MrPEX® 1 ¼” Stainless Steel Manifold is made from high quality stainless steel, and is offered in 2 through 12 loop configurations. The manifold comes mounted on brackets and it is equipped with full port ball valves provided with thermometers, manual air vents and fill/drain valves. The branch Cv value is 1.39.

The SUPPLY (upper) manifold is fitted with balancing flowmeters with readable range of 0 to 2 GPM that allow flow adjustment of each individual loop. The flow meters have a brass body and the sight glass is made from temperature and impact resistant plastic material, all components are antifreeze resistant up to a 50% mix.

The RETURN (lower) manifold, has manual on/off valves that controls the flow for each individual circuit. The manual knob can be removed to accommodate the MrPEX® actuators VA 10 Adpater (part# 5120700 & 5120701).

Supply and return mains can be connected from either left or right sides. The manifold comes ready for a left-hand connection. Connection from the right can be done by removing the manifold body from the brackets and flipping them over.

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* Shipped as shown
COMPOSITE MANIFOLD FOR UP TO 5/8" PEX & PEX-AL-PEX TUBING, 2–12 LOOPS

MrPEX® Composite Radiant Manifold is made from a durable high performance glass filled plastic designed to withstand high temperature and pressure. The manifold exceeds the oxygen diffusion standard DIN 4726 and is completely corrosion resistant. The manifold has flow capacity of 15.4 GPM with adjustable flowmeters for flows up to 1.00 GPM per loop, and comes partially assembled as a complete kit. The branch Cv value is 1.35.

Kit includes:

- A complete supply body with positive shut-off balancing flowmeters, thermometer, a Fill/Drain valve with Vent, and a blank end cap.
- A complete return body with on/off valves for manual shut-off, thermometer, a Fill/Drain valve with Vent, and a blank end cap.
- A set of mounting brackets
- A set of 1" NPT isolation union ball-valves.

Plastic cap on the return valve can be removed to accommodate valve actuator #5120700 or #5120701 (Adapter VA 90 part #5700090 is included). The branches have Eurokonus (EK 20) connections, and all MrPEX® EK 20 compression fitting assemblies (PEX to EK 20 or PEX-AL-PEX to EK 20) can be used to connect tubing up to 5/8" to the manifold. Single, 2 loop, and 3 loop add-on supply and return manifold sections and other accessories are sold separately to allow for easy add-on.

### Composite Manifold, Valve & Flowmeter, Complete Kit

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* Shipped as kit

### Composite Manifold Sections, Valve & Flowmeter

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### Composite Manifold Elbow Set

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MrPEX® 1 ½” Large Chrome Plated Brass Manifolds are made from high-quality extruded brass and offered in 2–12 loop fully assembled manifolds. The supply body has balancing valves with adjustable flowmeters for flows up to 2.0 gpm per loop. The return body is equipped with on/off valves. The manual plastic cap on the return valve can be removed to accommodate a valve actuator #5120700 or #5120701 (Adapter VA 10 part #5700010 is included with actuator #5120700 or #5120701). The return balancing valve disc is designed to enable exact adjustments of small flows while still being able to handle large flow with minimal resistance. The branch Cv value is 1.39 and the manifold body accommodates flows up to 20 gpm. Manifolds are mounted on brackets ready to mount. Inlets comes with a 1 1/4” female NPT union ball–valve and end caps feature vent and fill/drain. The branches have EK 25 (Eurokonus) connections, and all MrPEX® EK 25 fitting assemblies (PEX to EK25 or PEX-AL-PEX to EK 25) can be used to connect tubing to the manifold.

1 1/2” Chrome Plated Manifold, Valve & Flowmeter, Fully Assembled

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* Shipped as shown
1 1/2" LARGE STAINLESS STEEL MANIFOLDS FOR 5/8" & 3/4" PEX & PEX-AL-PEX TUBING

MrPEX® 1 1/2" Large Stainless Steel Manifolds are made from high-quality Type 304 stainless steel and offered in 3–10 loop sections. The manifold body comes with G 1 1/2" flat gasket unions for connection of inlet ball valve G 1 1/2" x 1 1/2" Female NPT and end caps. The branches come with G 1" flat gasket unions to accommodate the on/off and balancing branch valves G 1" x EK 25 for easy connection with MrPEX® EK 25 fitting assemblies (PEX to EK 25 or PEX-AL-PEX to EK 25) to connect tubing to the manifold. The branch Cv value is 6 and the manifold body accommodates flows up to 25 gpm. The manifold Base Kit comes with two brackets, two 1 1/2" female NPT ball-valves and two End Caps with fill/drain.

1 1/2" Stainless Steel Manifold, Supply & Return Body, G 1" Branch Union, 3" O.C.

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Base Kit for 1 1/2" Stainless Manifold, Ball-Valves, Bracket & End Caps w/ Fill/Drain Valve

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<td>3240002</td>
<td>G 1&quot; x EK 25</td>
<td>Box of 10</td>
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</table>

On/Off Loop Valve w/ Balancing for 1 1/2" Stainless Steel Manifolds

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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<tbody>
<tr>
<td>3240003</td>
<td>G 1&quot; x EK 25</td>
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### Manifold Union for 1 1/2" Stainless Steel Manifold

<table>
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<tbody>
<tr>
<td>3240004</td>
<td>G 1 1/2&quot; x G 1 1/2&quot;</td>
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### Visual Flowmeter w/ Balancing/Isolation Valve, 2–8 GPM

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<th>UNIT</th>
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</thead>
<tbody>
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<td>3240006</td>
<td>G 1&quot; x EK 25</td>
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</table>

### Strap On Pipe Thermometer, 70–200°F

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<tr>
<td>5240748</td>
<td>For Pipes 1/2&quot; – 4&quot;</td>
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</table>
MANIFOLD FITTINGS

MANIFOLD OPTIONS

MrPEX® Manifold Options offer transitions, end caps and accessories for MrPEX® manifolds. Some of the 1 1/4" manifolds and transitions feature a 1" BSP metric straight thread using an o-ring seal. Do Not Use teflon tape or thread sealing compounds for these.

Loop End Cap

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>3610003</td>
<td>EK 20</td>
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<tr>
<td>3610004</td>
<td>EK 25</td>
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Pressure Test Kit for 1" BSP Connections

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</thead>
<tbody>
<tr>
<td>3610005</td>
<td>1&quot; BSP</td>
<td>Each</td>
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</table>

Pressure Test Kit for 1" NPT Connections

<table>
<thead>
<tr>
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<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>3700183</td>
<td>1&quot; NPT</td>
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Pressure Test Kit for 1 1/2" Brass & Stainless Steel Manifolds

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</thead>
<tbody>
<tr>
<td>3700184</td>
<td>1 1/2&quot; &amp; 1 1/4&quot; NPT</td>
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Manifold Transition for 1 1/4" Brass & Stainless Steel

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<td>3620002</td>
<td>1&quot; BSP to 3/4&quot; NPT</td>
<td>Bag of 2</td>
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<tr>
<td>3620003</td>
<td>1&quot; BSP to 1&quot; NPT</td>
<td>Bag of 2</td>
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<tr>
<td>3620004</td>
<td>1&quot; BSP to 1&quot; FIP</td>
<td>Bag of 2</td>
</tr>
<tr>
<td>3620005</td>
<td>1&quot; BSP to 1&quot; BSP (Manifold Double Nipple)</td>
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<td>1&quot; BSP to EK 25</td>
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<td>3620007</td>
<td>1&quot; BSP to EK 32</td>
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**Large Dimension PEX ‘Push-Fit’ Transition**

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<tr>
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<tbody>
<tr>
<td>4467575</td>
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<tr>
<td>4461010</td>
<td>1” PEX x 1” NPT</td>
<td>Each</td>
</tr>
<tr>
<td>4461313</td>
<td>1 1/4” PEX x 1 1/4” NPT</td>
<td>Each</td>
</tr>
<tr>
<td>4461515</td>
<td>1 1/2” PEX x 1 1/2” NPT</td>
<td>Each</td>
</tr>
<tr>
<td>4462020</td>
<td>2” PEX x 2” NPT</td>
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</table>

**Disconnect Tool for PEX 'Push-Fit' Transition**

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<tbody>
<tr>
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<td>Each</td>
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<tr>
<td>4460002</td>
<td>1”</td>
<td>Each</td>
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<tr>
<td>4460003</td>
<td>1 1/4”</td>
<td>Each</td>
</tr>
<tr>
<td>4460004</td>
<td>1 1/2”</td>
<td>Each</td>
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<tr>
<td>4460005</td>
<td>2”</td>
<td>Each</td>
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**COPPER MANIFOLD ACCESSORIES**

MrPEX® Copper Manifold accessories offer Copper Sweat x EK (Eurokonus) mini-ball valves, allowing PEX or PEX-AL-PEX Compression fittings to be connected for pipes up to 3/4”.

**Mini Ball Valve**

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<tbody>
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<tr>
<td>3467525</td>
<td>3/4” CU to EK</td>
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**Mini Ball Valve w/ Balancing**

<table>
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<td>3465021</td>
<td>1/2” CU to EK</td>
<td>Box of 10</td>
</tr>
<tr>
<td>3467526</td>
<td>3/4” CU to EK</td>
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</tr>
</tbody>
</table>
PEX FITTINGS

PEX FITTINGS & EUROCONUS (EK) FITTINGS

MrPEX® Compression Fitting Assemblies for connection of MrPEX® Barrier PEX tubing to MrPEX® Manifolds or transition fittings with EK (Eurokonus) connection. Fittings consists of a nut, insert and compression ring made of nickel plated brass. Insert features o-ring and EK (Eurokonus) seat.

PEX Fitting Assembly (Nut Ring & Insert) for EK

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<tbody>
<tr>
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<tr>
<td>4310500</td>
<td>1/2&quot; PEX to EK 20</td>
<td>Bag of 10</td>
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<tr>
<td>4310625</td>
<td>5/8&quot; PEX to EK 20</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4310750</td>
<td>3/4&quot; PEX to EK 20</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4320625</td>
<td>5/8&quot; PEX to EK 25</td>
<td>Bag of 10</td>
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<tr>
<td>4320750</td>
<td>3/4&quot; PEX to EK 25</td>
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<tr>
<td>4331000</td>
<td>1&quot; PEX to EK 32</td>
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Copper Sweat Transition

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<tr>
<td>4342575</td>
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NPT Transition

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<tr>
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<td>EK 20 to 1/2&quot; NPT</td>
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</tr>
<tr>
<td>4372575</td>
<td>EK 25 to 3/4&quot; NPT</td>
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<tr>
<td>4372510</td>
<td>EK 25 to 1&quot; NPT</td>
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<tr>
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Coupling Nipple

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<td>4352525</td>
<td>EK 25 to EK 25</td>
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</tr>
<tr>
<td>4353232</td>
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PEX-AL-PEX FITTINGS

PRESS FITTINGS FOR PEX-AL-PEX TUBING

MrPEX® Press Fittings for use with MrPEX® ASTM F1281-2005 PEX-AL-PEX tubing in radiant applications. The body is made from DZR brass, double o-rings, and a stainless steel press sleeve. An accurately installed press fitting offers a fast, reliable, and permanent connection.

NOTE: Must use reamer on any PEX-AL-PEX fittings

---

### Press Fitting Assemblies

<table>
<thead>
<tr>
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<th>TYPE</th>
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<tbody>
<tr>
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<tr>
<td>2110625</td>
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### Press Couplings DZR

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<tr>
<td>2216363</td>
<td>5/8&quot; PAP to 5/8&quot; PAP</td>
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<tr>
<td>2317575</td>
<td>3/4&quot; PAP to 3/4&quot; PAP</td>
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<td>2311010</td>
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### Press Transition to NPT DZR

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<td>2325075</td>
<td>1/2&quot; PAP to 3/4&quot; NPT</td>
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<tr>
<td>2327575</td>
<td>3/4&quot; PAP to 3/4&quot; NPT</td>
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<tr>
<td>2321010</td>
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### Press Sweat Adapter DZR

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<tr>
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<td>1/2&quot; PAP to 3/4&quot; CU</td>
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### Press Transition to FIP DZR

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<td>2331010</td>
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### Press Elbow DZR

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<td>2367575</td>
<td>3/4&quot; PAP to 3/4&quot; PAP</td>
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<tr>
<td>2361010</td>
<td>1&quot; PAP to 1&quot; PAP</td>
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</table>

### Press Elbow to Sweat Adapter DZR

<table>
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<tr>
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### Press Tee DZR

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### COMPRESSION FITTINGS FOR PEX-AL-PEX TUBING

MrPEX® Compression Fitting Assemblies for connection of MrPEX® PEX-AL-PEX tubing to MrPEX® Manifolds or transition fittings with EK (Eurokonus) connection. Fittings consist of a nut, insert and compression ring made of brass. Insert features double o-ring and EK (Eurokonus) seat.

### PEX-AL-PEX Fitting Assemblies

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<tr>
<td>2430750</td>
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### PEX-AL-PEX Repair Coupling w/ Fitting Assembly

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### PEX-AL-PEX Transition w/ Fitting Assembly

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</table>
PEX FITTINGS

F2159 PPSU PEX PRESS FITTINGS
MrPEX® plastic fittings are made from a blend of engineered high performance PolyPhenyLSulfone (PPSU) resin to achieve a long-term durable product. These PPSU fittings are durable, light weight, corrosion free, and resistant to chlorine and other substances that may be present in today’s potable water supply. The Sulfone resin has been used and refined over the past 20 years and has proven a very reliable replacement for brass and copper fittings. MrPEX® fittings are listed to ASTM F2159. MrPEX® Stainless Steel Press Sleeves and PEX Press tools are required and purchased separately.

<table>
<thead>
<tr>
<th>PEX Press Sleeves – Stainless Steel for F2159 &amp; F1807</th>
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<tbody>
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<thead>
<tr>
<th>F2159 PPSU – Couplings</th>
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<th>F2159 PPSU – Threaded Adapter, Male</th>
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## F2159 PPSU – Tee

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## F1807 PEX PRESS FITTINGS - LF BRASS

MrPEX® Lead Free Brass fittings comply with NSF 61, which allows the product to contain no more than 0.25% lead. These fittings meet F1807. MrPEX Stainless Steel Press Sleeves and PEX Press tools are required and purchased separately.

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### F1807 LF Brass - Threaded Adapter, Male

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### F1807 LF Brass - Sweat Elbow, Female

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## F1960 PPSU PEX Expansion Fittings

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## F1960 PPSU - Tee

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**F1960 PEX EXPANSION FITTINGS - LF BRASS**

MrPEX® Lead Free Brass fittings comply with NSF 61, which allows the product to contain no more than 0.25% lead. These fittings meet F1960.

### F1960 LF Brass - Coupling

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<td>4811515</td>
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### F1960 LF Brass - Sweat Adapter, Female

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AXIAL PRESS FITTINGS F2080 FOR PEX TUBING

MrPEX® Axial Press Fittings ASTM F2080 for use with MrPEX® Barrier PEX tubing in radiant applications. The body is made from brass and uses a brass axial press sleeve (sold separately). An accurately installed axial press fitting offers a fast, reliable, and permanent connection.

F2080 Axial Press Brass Rings

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<tr>
<td>4517575</td>
<td>3/4” PEX x 3/4” PEX</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4511010</td>
<td>1” PEX x 1” PEX</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>

F2080 Axial Press Transition to NPT

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4525050</td>
<td>1/2” PEX to 1/2” NPT</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4526375</td>
<td>5/8” PEX to 3/4” NPT</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4527510</td>
<td>3/4” PEX to 1” NPT</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4527575</td>
<td>3/4” PEX to 3/4” NPT</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4521010</td>
<td>1” PEX to 1” NPT</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>

F2080 Axial Press Transition to FIP

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4535050</td>
<td>1/2” PEX to 1/2” FIP</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4536363</td>
<td>5/8” PEX to 3/4” FIP</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4537510</td>
<td>3/4” PEX to 1” FIP</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4537575</td>
<td>3/4” PEX to 3/4” FIP</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4531010</td>
<td>1” PEX to 1” FIP</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>
### F2080 Axial Press Transition to CU Female Sweat

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4555050</td>
<td>1/2” PEX to 1/2” CU</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4556375</td>
<td>5/8” PEX to 3/4” CU</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4557510</td>
<td>3/4” PEX to 1” CU</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4557575</td>
<td>3/4” PEX to 3/4” CU</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4551010</td>
<td>1” PEX to 1” CU</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>

### F2080 Axial Press Elbow

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4577575</td>
<td>3/4” PEX x 3/4” PEX</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4571010</td>
<td>1” PEX x 1” PEX</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>
CONTROLS

ZONING CONTROLS

MrPEX® Zoning Controls offer low voltage electronic zone control featuring thermostats, zone box, valve actuators, zone valves.

**Digital Room Thermostats**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5110740</td>
<td>Air Only</td>
<td>Each</td>
</tr>
<tr>
<td>5110519</td>
<td>Radiant Thermostat Air/ Floor w/ Sensor</td>
<td>Each</td>
</tr>
<tr>
<td>5110521</td>
<td>Radiant Thermostat Air/ Floor - Heat/ Heat or Heat/Cool w/ Floor Sensor</td>
<td>Each</td>
</tr>
<tr>
<td>5110079</td>
<td>Spare Part Floor Sensor for #5110519 &amp; 5110521, 10k 15 ft.</td>
<td>Each</td>
</tr>
<tr>
<td>5110012</td>
<td>Wall Plate for 5110519 &amp; 5110521 - Spare Part</td>
<td>Each</td>
</tr>
</tbody>
</table>

**Valve Actuator for Valved Manifolds w/out Adapter**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5120700</td>
<td>4-Wire w/ End Switch</td>
<td>Each</td>
</tr>
<tr>
<td>5120701</td>
<td>2-Wire</td>
<td>Each</td>
</tr>
</tbody>
</table>

NOTE: Use adapter ring VA 10 for 325 and 332 series manifolds. Use adapter ring VA 90 for 381 series manifolds. Both adapters are provided with the actuators.

**Zone Valve Including Actuator w/ End Switch**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5120711</td>
<td>1/2&quot; CU Union x CU Union, Cv 2.1</td>
<td>Each</td>
</tr>
<tr>
<td>5120712</td>
<td>3/4&quot; CU Union x CU Union, Cv 3.2</td>
<td>Each</td>
</tr>
</tbody>
</table>

**Zone Valve Including Actuator w/ End Switch**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5120721</td>
<td>1/2&quot; Female NPT x Male NPT, Cv 2.1</td>
<td>Each</td>
</tr>
<tr>
<td>5120722</td>
<td>3/4&quot; Female NPT x Male NPT, Cv 3.2</td>
<td>Each</td>
</tr>
<tr>
<td>5120723</td>
<td>1&quot; Female NPT x Male NPT, Cv 4.0</td>
<td>Each</td>
</tr>
<tr>
<td>5120724</td>
<td>1 1/4&quot; Female NPT x Male NPT, Cv 4.7</td>
<td>Each</td>
</tr>
</tbody>
</table>
### Zone Controller

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5130304</td>
<td>Zone Valve Box - 304V, Up to 4 Zones</td>
<td>Each</td>
</tr>
<tr>
<td>5130306</td>
<td>Zone Valve Box - 306V, Up to 6 Zones</td>
<td>Each</td>
</tr>
<tr>
<td>5130704</td>
<td>Simple Zone Controller, 24V, Up to 4 Zones</td>
<td>Each</td>
</tr>
<tr>
<td>5131304</td>
<td>Switching Relay - 304P, Up to 4 Pumps</td>
<td>Each</td>
</tr>
<tr>
<td>5131306</td>
<td>Switching Relay - 306P, Up to 6 Pumps</td>
<td>Each</td>
</tr>
</tbody>
</table>

### SNOWMELT CONTROLS

MrPEX® snowmelt controls offer low voltage snowmelt control, Snow/Ice Detector, and sensors.

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5140090</td>
<td>Ground Snow Sensor - 090</td>
<td>Each</td>
</tr>
<tr>
<td>5140091</td>
<td>Socket - 091</td>
<td>Each</td>
</tr>
<tr>
<td>5140095</td>
<td>Aerial Snow Sensor - 095</td>
<td>Each</td>
</tr>
<tr>
<td>5140654</td>
<td>Snow Mel Control - 654</td>
<td>Each</td>
</tr>
</tbody>
</table>
MIXING CONTROLS

MrPEX® Mixing Controls offer brass 3-way and 4-way mixing valves, low voltage floating action or 0-10v motors, and thermostatic 3-way tempering valve.

### 3-Way Thermostatic Mixing Valve (95° – 131°F)

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5210742</td>
<td>1&quot; CU Union, Cv 4.6</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Copper Sweat Union Spare Part

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5250002</td>
<td>1&quot; x 3/4&quot; Sweat</td>
<td>Each</td>
</tr>
<tr>
<td>5250003</td>
<td>1 1/4&quot; x 1&quot; Sweat</td>
<td>Each</td>
</tr>
<tr>
<td>5250004</td>
<td>1 1/2&quot; x 1 1/4&quot; Sweat</td>
<td>Each</td>
</tr>
</tbody>
</table>

### 3-Way Compact Mixing Valve of Brass

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5250325</td>
<td>3/4&quot; Copper Sweat Union, Cv 4.6</td>
<td>Each</td>
</tr>
<tr>
<td>5250332</td>
<td>1&quot; Copper Sweat Union, Cv 9.3</td>
<td>Each</td>
</tr>
<tr>
<td>5250340</td>
<td>1 1/4&quot; Copper Sweat Union, Cv 17.4</td>
<td>Each</td>
</tr>
</tbody>
</table>

### 4-Way Compact Mixing Valve of Brass

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5250425</td>
<td>3/4&quot; Copper Sweat Union, Cv 7.3</td>
<td>Each</td>
</tr>
<tr>
<td>5250432</td>
<td>1&quot; Copper Sweat Union, Cv 13.8</td>
<td>Each</td>
</tr>
<tr>
<td>5250440</td>
<td>1 1/4&quot; Copper Sweat Union, Cv 17.3</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Valve Motor 24V 90° 70 sec 5 Nm

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5220051</td>
<td>Floating Action w/ Mounting Kit</td>
<td>Each</td>
</tr>
<tr>
<td>5220058</td>
<td>0–10 V w/ Mounting Kit</td>
<td>Each</td>
</tr>
</tbody>
</table>

### SmartComfort 110 – Reset Control Motor Kit w/ Sensors

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5230110</td>
<td>Valve Motor w/ Built-In Control</td>
<td>Each</td>
</tr>
</tbody>
</table>

### SmartComfort 100 – Setpoint Control Motor Kit w/ Sensor

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5230100</td>
<td>Valve Motor w/ Built-In Control</td>
<td>Each</td>
</tr>
</tbody>
</table>
### Outdoor Temperature Sensor, Spare Part

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5230101</td>
<td>For SmartComfort 110</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Supply Temperature Sensor, Spare Part

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5230102</td>
<td>For SmartComfort 110 &amp; 100</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Remote Room Control Unit

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5230103</td>
<td>For SmartComfort 110</td>
<td>Each</td>
</tr>
</tbody>
</table>
INTEGRATED DYNAMIC CONTROL

The Ultimate In Indoor Comfort, Snowmelt & Energy Control!

IDC is a PC based intelligent control system which delivers optimized comfort and maximized efficiency by coordinating HVAC, Indoor Air Quality, and Hydronic systems in one control. IDC is the optimal control system for incorporating radiant floor heating and cooling systems, with renewable energy sources such as solar, heat pumps, or others. IDC also offers a new and unique approach to snowmelt control. The IDC System allows remote access from anywhere in the world for monitoring, managing, and controlling via the web using any web enabled device such as a PC, Smartphone, or tablet. IDC gives you the opportunity to do as much or as little as you demand, from a small house to large commercial building, and brings intelligent climate control technologies, previously exclusive to large-scale commercial buildings, into the residential and mid-range commercial market. Many larger homes utilize some kind of Home Automation system, so IDC has an interface that allows the homeowner to integrate selected information to be shown and accessed in the Home Automation system interface.

The system brains consists of a PC with the IDC software using the home network to communicate with a custom cabinet housing all the I/O blocks and communication units. Wired to the cabinet are all the sensors, equipment and control devices.

The IDC system is based on control points. These can be Analog Inputs, Analog Outputs, Digital Inputs, and Digital Outputs. The number of points will dictate the software package required. The control cabinet will then be matched to accommodate the sensors, equipment and control devices in the system. Therefore we quote the IDC System on a project by project basis.

Please contact MrPEX® Systems or your local rep for pricing.
HEAT TRANSFER ACCESSORIES

MrPEX® Accessories feature extruded aluminum heat transfer plates and omega style aluminum heat transfer plates for even heat distribution in suspended applications. RetroPanel is used for retrofit applications on top of existing concrete or sub-floor.

### Omega Style Aluminum Heat Transfer Plates

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6110702</td>
<td>18” x 5” for 1/2” Tubing</td>
<td>Box of 100</td>
</tr>
</tbody>
</table>

### DuoTrack Extruded Aluminum Heat Transfer Plates, Pre-drilled

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6110733</td>
<td>48” x 3.75” for 3/8” or 1/2” PEX</td>
<td>Box of 20</td>
</tr>
</tbody>
</table>

NOTE: Quick estimate for 8” O.C., ((square footage x 0.9) x 1.5) / 4 = Qty of DuoTrack Plates.

### RetroPanel Heat Transfer System, 8” On Center

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6114001</td>
<td>15 3/4” x 31 1/2” Straight for 1/2” PEX</td>
<td>Box of 10</td>
</tr>
<tr>
<td>6114002</td>
<td>15 3/4” x 15 3/4” Return for 1/2” PEX</td>
<td>Box of 20</td>
</tr>
<tr>
<td>6114007</td>
<td>Replacement Fasteners for #6114002</td>
<td>Bag of 4</td>
</tr>
</tbody>
</table>

NOTE: Estimated list price per square foot of covered area is $8.06.

Material estimate; Floor area (sqft) x 0.9 = net floor area.

Straight Panel = Net floor area x 0.70 / 3.44 = Qty.

Return Panel = Net floor area x 0.30 / 1.72 = Qty.

### Radiant Wood Track for 3/8” PEX Tubing

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6115019</td>
<td>Run Panel - 6” O.C. - 12” x 48”</td>
<td>Box of 10</td>
</tr>
<tr>
<td>6115029</td>
<td>Turn-Around Panel - 6” O.C. - 12” x 48”</td>
<td>Box of 10</td>
</tr>
<tr>
<td>6115039</td>
<td>Manifold Panel - 6” O.C. - 12” x 48”</td>
<td>Box of 10</td>
</tr>
</tbody>
</table>
**MANIFOLD CABINETS**

**Manifold Cabinets (Shipped Un-Assembled)**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6212421</td>
<td>20 4/5&quot; W x 31 1/2&quot; H x 5 1/10&quot; D for Surface Mounting</td>
<td>Each</td>
</tr>
<tr>
<td>6212431</td>
<td>26 4/5&quot; W x 31 1/2&quot; H x 5 1/10&quot; D for Surface Mounting</td>
<td>Each</td>
</tr>
<tr>
<td>6212451</td>
<td>40 1/2&quot; W x 31 1/2&quot; H x 5 1/10&quot; D for Surface Mounting</td>
<td>Each</td>
</tr>
<tr>
<td>6213421</td>
<td>20 4/5&quot; W x 27 1/5–31 1/10&quot; H x 5 1/10&quot; D for Recessed Mounting</td>
<td>Each</td>
</tr>
<tr>
<td>6213431</td>
<td>26 4/5&quot; W x 27 1/5–31 1/10&quot; H x 5 1/10&quot; D for Recessed Mounting</td>
<td>Each</td>
</tr>
<tr>
<td>6213451</td>
<td>40 1/2&quot; W x 27 1/5–31 1/10&quot; H x 4 1/4&quot; D for Recessed Mounting</td>
<td>Each</td>
</tr>
</tbody>
</table>

**Surface Manifold Cabinet Selection Chart (Shipped Un-Assembled)**

<table>
<thead>
<tr>
<th>PART#</th>
<th>1 1/4&quot; STAINLESS NO BALL VALVE</th>
<th>1 1/4&quot; STAINLESS W/ BALL VALVE</th>
<th>COMPOSITE</th>
<th>1 1/2&quot; STAINLESS</th>
<th>1 1/2&quot; BRASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6212421</td>
<td>Up to 7 Loops</td>
<td>Up to 6 Loops</td>
<td>Up to 6 Loops</td>
<td>Up to 4 Loops</td>
<td>Up to 5 Loops</td>
</tr>
<tr>
<td>6212431</td>
<td>Up to 11 Loops</td>
<td>Up to 10 Loops</td>
<td>Up to 10 Loops</td>
<td>Up to 8 Loops</td>
<td>Up to 8 Loops</td>
</tr>
<tr>
<td>6412451</td>
<td>Up to 12 Loops</td>
<td>Up to 12 Loops</td>
<td>Up to 12 Loops</td>
<td>Up to 10 Loops</td>
<td>Up to 12 Loops</td>
</tr>
</tbody>
</table>

**Recessed Manifold Cabinet Selection Chart (Shipped Un-Assembled)**

<table>
<thead>
<tr>
<th>PART#</th>
<th>1 1/4&quot; STAINLESS NO BALL VALVE</th>
<th>1 1/4&quot; STAINLESS W/ BALL VALVE</th>
<th>COMPOSITE</th>
<th>1 1/2&quot; STAINLESS</th>
<th>1 1/2&quot; BRASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6213421</td>
<td>Up to 7 Loops</td>
<td>Up to 6 Loops</td>
<td>Up to 6 Loops</td>
<td>Up to 4 Loops</td>
<td>Up to 5 Loops</td>
</tr>
<tr>
<td>6213431</td>
<td>Up to 11 Loops</td>
<td>Up to 10 Loops</td>
<td>Up to 10 Loops</td>
<td>Up to 8 Loops</td>
<td>Up to 8 Loops</td>
</tr>
<tr>
<td>6213451</td>
<td>Up to 12 Loops</td>
<td>Up to 12 Loops</td>
<td>Up to 12 Loops</td>
<td>Up to 10 Loops</td>
<td>Up to 12 Loops</td>
</tr>
</tbody>
</table>
MrPEX® Fasteners and associated accessories and tools allow for easy and fast installations of the tubing in slab or suspended applications.

### Tapper Tool

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7110223</td>
<td>To Mount #7110224</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Foam Insulation Board Tacker Staples for 3/8” – 3/4” PEX & 3/8” – 5/8” PAP Tubing

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7110224</td>
<td>2”</td>
<td>Box of 300</td>
</tr>
</tbody>
</table>

### Foam Insulation Board Anchor Clips for 3/8” to 5/8” PEX & PAP Tubing

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7110229</td>
<td></td>
<td>Bag of 50</td>
</tr>
</tbody>
</table>

### Anchor Clip Mounting Tool

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7110232</td>
<td>For #7110228 &amp; 7110229</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Plywood Rider Staples

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7110235</td>
<td>For 3/8” to 5/8” PEX &amp; PAP</td>
<td>Box of 500</td>
</tr>
</tbody>
</table>

### Rider Staples Mounting Gun

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7110236</td>
<td>For #7110235</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Quip Clip for Fastening PEX to Wire Mesh

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7120225</td>
<td>For 1/2” PEX</td>
<td>Bag of 250</td>
</tr>
<tr>
<td>7120226</td>
<td>For 5/8” &amp; 3/4” PEX</td>
<td>Bag of 250</td>
</tr>
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</table>

### Plastic Bend Supports

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7130211</td>
<td>For 3/8” PEX</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>7130212</td>
<td>For 1/2” PEX</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>7130213</td>
<td>For 5/8” PEX</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>7130214</td>
<td>For 3/4” PEX</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>7130215</td>
<td>For 1” PEX</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>
Metal Bend Supports for Suspended Applications

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7140375</td>
<td>For 3/8&quot; PEX</td>
<td>Bag of 50</td>
</tr>
<tr>
<td>7140500</td>
<td>For 1/2&quot; PEX</td>
<td>Bag of 50</td>
</tr>
<tr>
<td>7140625</td>
<td>For 5/8&quot; PEX</td>
<td>Bag of 50</td>
</tr>
<tr>
<td>7140750</td>
<td>For 3/4&quot; PEX</td>
<td>Bag of 25</td>
</tr>
</tbody>
</table>

Plastic Conduit Bend Supports for Concrete Applications

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7153862</td>
<td>3/8&quot; – 5/8&quot; Tubing</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>7156275</td>
<td>5/8&quot; – 3/4&quot; Tubing</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>

OctaRail for Mounting PEX

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7223875</td>
<td>For 3/8&quot;, 1/2&quot;, 5/8&quot;, 3/4&quot; PEX, 3.28 ft. (1 Meter) each</td>
<td>Box of 100</td>
</tr>
</tbody>
</table>

NOTE: Each box of 100 will accommodate 600 ft. of PEX based on a 12” O.C, 900 ft. or 9” O.C, and 1200 for 6” O.C.

Plastic Zip Ties

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7120008</td>
<td>8&quot;</td>
<td>Bag of 1000</td>
</tr>
</tbody>
</table>

INSTALLATION TOOLS

MrPEX® Installation Tools features tube handling tools for PEX or PEX-AL-PEX as well as prep and press fitting tools for PEX-AL-PEX.

Compact Adjustable Tubing Uncoiler

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8110720</td>
<td>Heavy Duty</td>
<td>Each</td>
</tr>
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</table>

Pipe Straightener w/ Bracket

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8110721</td>
<td>For 3/4&quot; &amp; 1’ PAP</td>
<td>Each</td>
</tr>
</tbody>
</table>
### Feed Eye w/ Bracket

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8110722</td>
<td>For PEX Tubing</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Pipe Cutter

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8120878</td>
<td>For All Sizes up to 1 1/4&quot; PEX &amp; PAP</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Simple Cutter

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>8120879</td>
<td>For 3/8&quot; – 1&quot; Tubing</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Fill/Transfer Pump

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8110001</td>
<td>1/2&quot; HP, 120V, 120FtHd</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Burring Reamer for PEX-AL-PEX

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8210872</td>
<td>5/8&quot; – 3/4&quot; – 1&quot;</td>
<td>Each</td>
</tr>
<tr>
<td>8210873</td>
<td>3/8&quot; – 1/2&quot; – 3/4&quot;</td>
<td>Each</td>
</tr>
<tr>
<td>8210874</td>
<td>1/2&quot; – 5/8&quot; – 3/4&quot;</td>
<td>Each</td>
</tr>
<tr>
<td>8220875</td>
<td>1/2&quot; – 3/4&quot; – 1&quot;</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Manual Press Tool for PEX-AL-PEX

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8230896</td>
<td>1/2&quot; Insert for 8230895</td>
<td>Each</td>
</tr>
<tr>
<td>8230897</td>
<td>5/8&quot; Insert for 8230895</td>
<td>Each</td>
</tr>
<tr>
<td>8230898</td>
<td>3/4&quot; Insert for 8230895</td>
<td>Each</td>
</tr>
<tr>
<td>8230899</td>
<td>1&quot; Insert for 8230895</td>
<td>Each</td>
</tr>
</tbody>
</table>
### Battery Press Tool for PEX-AL-PEX

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8243000</td>
<td>Basic Kit, No Jaws for 1/2&quot;, 5/8&quot;, 3/4&quot; &amp; 1&quot; PAP</td>
<td>Each</td>
</tr>
<tr>
<td>8243001</td>
<td>Kit w/ 1/2&quot;, 3/4&quot; &amp; 1&quot; Jaws for 1/2&quot;, 5/8&quot;, 3/4&quot; &amp; 1&quot; PAP</td>
<td>Each</td>
</tr>
<tr>
<td>8243002</td>
<td>Spare Battery</td>
<td>Each</td>
</tr>
<tr>
<td>8243003</td>
<td>Spare Battery Charger</td>
<td>Each</td>
</tr>
<tr>
<td>8243016</td>
<td>1/2&quot; PAP Press Jaw for #8243000</td>
<td>Each</td>
</tr>
<tr>
<td>8243020</td>
<td>5/8&quot; PAP Press Jaw for #8243000</td>
<td>Each</td>
</tr>
<tr>
<td>8243025</td>
<td>3/4&quot; PAP Press Jaw for #8243000</td>
<td>Each</td>
</tr>
<tr>
<td>8243032</td>
<td>1&quot; PAP Press Jaw for #8243000</td>
<td>Each</td>
</tr>
<tr>
<td>8243050</td>
<td>1/2&quot; PEX Press Jaw (F1807) for #8243000</td>
<td>Each</td>
</tr>
<tr>
<td>8243063</td>
<td>5/8&quot; PEX Crimp Jaw (F1807) for #8243000</td>
<td>Each</td>
</tr>
<tr>
<td>8243075</td>
<td>3/4&quot; PEX Press Jaw (F1807) for #8243000</td>
<td>Each</td>
</tr>
<tr>
<td>8243010</td>
<td>1&quot; PEX Crimp Jaw (F1807) for #8243000</td>
<td>Each</td>
</tr>
<tr>
<td>8243013</td>
<td>1 1/4&quot; PEX Crimp Jaw (F1807) for #8243000</td>
<td>Each</td>
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</table>

### Manual Press Tool for PEX (F1807 & F2159)

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8400500</td>
<td>1/2&quot; Stainless Steel Sleeves</td>
<td>Each</td>
</tr>
<tr>
<td>8400750</td>
<td>3/4&quot; Stainless Steel Sleeves</td>
<td>Each</td>
</tr>
<tr>
<td>8401000</td>
<td>1&quot; Stainless Steel Sleeves</td>
<td>Each</td>
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</table>

### Manual Press Tool for PEX (F1807 & F2159), Compact

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
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</tr>
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<tbody>
<tr>
<td>8401050</td>
<td>1/2&quot; Stainless Steel Sleeves</td>
<td>Each</td>
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### Manual Press Tool for PEX (F1807 & F2159), Combination

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8405075</td>
<td>1/2&quot; &amp; 3/4&quot; Stainless Steel Sleeves</td>
<td>Each</td>
</tr>
</tbody>
</table>
### Manual PEX Expander Tool Kit (F1960)

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
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### PEX Expander Heads (F1960)

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>8500500</td>
<td>1/2&quot;</td>
<td>Each</td>
</tr>
<tr>
<td>8500625</td>
<td>5/8&quot;</td>
<td>Each</td>
</tr>
<tr>
<td>8500750</td>
<td>3/4&quot;</td>
<td>Each</td>
</tr>
<tr>
<td>8501000</td>
<td>1&quot;</td>
<td>Each</td>
</tr>
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</table>

### Ratchet Pincer for SS PEX Clamps – F2098

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
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</thead>
<tbody>
<tr>
<td>8410001</td>
<td>For 1/2&quot; through 1&quot; PEX Clamps</td>
<td>Each</td>
</tr>
</tbody>
</table>

### Clamp Cutter for SS PEX Clamps – F2098

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4900500</td>
<td>For 1/2&quot; through 1&quot; PEX Clamps</td>
<td>Each</td>
</tr>
</tbody>
</table>
## SPARE PARTS

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700852</td>
<td>Compression Ring for #2410500 - 1/2&quot;</td>
<td>bag of 10</td>
</tr>
<tr>
<td>2700853</td>
<td>Compression Ring for #2410625 - 5/8&quot;</td>
<td>bag of 10</td>
</tr>
<tr>
<td>2700854</td>
<td>Compression Ring for #2410750 - 3/4&quot;</td>
<td>bag of 10</td>
</tr>
<tr>
<td>2701802</td>
<td>SS Press Sleeve - Spare Part - 1/2&quot;</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>2701803</td>
<td>SS Press Sleeve - Spare Part - 5/8&quot;</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>2701804</td>
<td>SS Press Sleeve - Spare Part - 3/4&quot;</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>2701805</td>
<td>SS Press Sleeve - Spare Part - 1&quot;</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>2708490</td>
<td>O-Ring for Barb Insert 1&quot; PAP Press Fitting</td>
<td>Each</td>
</tr>
<tr>
<td>2708520</td>
<td>O-Ring for Barb Insert 1/2&quot; PAP Press Fitting</td>
<td>Each</td>
</tr>
<tr>
<td>2708530</td>
<td>O-Ring for Barb Insert 5/8&quot; PAP Press Fitting</td>
<td>Each</td>
</tr>
<tr>
<td>2708540</td>
<td>O-Ring for Barb Insert 3/4&quot; PAP Press Fitting</td>
<td>Each</td>
</tr>
<tr>
<td>3230001</td>
<td>Manifold Thermometer 32°F – 175°F</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3610002</td>
<td>Basic End Cap for 1 1/4&quot; Brass Manifold</td>
<td>Box of 2</td>
</tr>
<tr>
<td>3610011</td>
<td>End Cap w/ Automatic Air Vent &amp; Drain for 1 1/4&quot; SS Manifold</td>
<td>Each</td>
</tr>
<tr>
<td>3620019</td>
<td>Manifold Transition Ball Valve for 1 1/4&quot; Manifolds</td>
<td>Box of 2</td>
</tr>
<tr>
<td>3620021</td>
<td>Manifold Transition Ball Valve for 1 1/4&quot; Manifolds</td>
<td>Box of 2</td>
</tr>
<tr>
<td>3710171</td>
<td>Manifold Bracket for 1 1/4&quot; Brass Manifold</td>
<td>Each</td>
</tr>
<tr>
<td>3710172</td>
<td>Flow Meter Valve for 1 1/4&quot; &amp; 1 1/2&quot; Brass Manifolds</td>
<td>Each</td>
</tr>
<tr>
<td>3710173</td>
<td>Plastic Valve Cap for 1 1/4&quot; &amp; 1 1/2&quot; Brass Manifolds</td>
<td>Each</td>
</tr>
<tr>
<td>3710174</td>
<td>On/Off Valve for 1 1/4&quot; &amp; 1 1/2&quot; Brass Manifolds</td>
<td>Each</td>
</tr>
<tr>
<td>3710176</td>
<td>Flowmeter Adjustment Tool for Brass Manifolds</td>
<td>Each</td>
</tr>
<tr>
<td>3710179</td>
<td>Plug to Replace On/Off &amp; Flowmeter Valve on Brass Manifolds</td>
<td>Each</td>
</tr>
<tr>
<td>3711390</td>
<td>O-RINGS for 1&quot; BSP Manifold Transition</td>
<td>Each</td>
</tr>
<tr>
<td>3711391</td>
<td>O-Ring for #3620010 Spare Part</td>
<td>Each</td>
</tr>
<tr>
<td>PART#</td>
<td>TYPE</td>
<td>UNIT</td>
</tr>
<tr>
<td>--------</td>
<td>----------------------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>3721171</td>
<td>Manifold Bracket for 1 1/4&quot; 323 Series Stainless Steel Manifold</td>
<td>Each</td>
</tr>
<tr>
<td>3721172</td>
<td>Flowmeter Valve for 1 1/4&quot; 323 Series Stainless Steel Manifold w/ Blue Plastic Cap</td>
<td>Each</td>
</tr>
<tr>
<td>3721173</td>
<td>Plastic Valve Cap for 323 Series Stainless Steel Manifold</td>
<td>Each</td>
</tr>
<tr>
<td>3721174</td>
<td>On/Off Valve for 323 Series Stainless Steel Manifold</td>
<td>Each</td>
</tr>
<tr>
<td>3721175</td>
<td>Blue Plastic Flowmeter Cap for 323 Series Stainless Steel Manifold</td>
<td>Each</td>
</tr>
<tr>
<td>3721176</td>
<td>Manifold Loop Nipple, Supply &amp; Return to EK 20</td>
<td>Each</td>
</tr>
<tr>
<td>3721177</td>
<td>Black Plastic Adapter for 323 Series On/Off Valve</td>
<td>Each</td>
</tr>
<tr>
<td>3721178</td>
<td>Replacement O-Ring for #3721176</td>
<td>Each</td>
</tr>
<tr>
<td>3730120</td>
<td>End Cap w/ Air Vent Fill/Drain Valve for 1 1/2&quot; Brass Manifold</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3730171</td>
<td>Manifold Bracket for 1 1/2&quot; Brass Manifold</td>
<td>Each</td>
</tr>
<tr>
<td>3750001</td>
<td>Replacement EPDM Flat Gasket for 1 1/2&quot; Stainless Steel Manifold Branch</td>
<td>Each</td>
</tr>
<tr>
<td>3750002</td>
<td>Replacement EPDM Flat Gasket for 1 1/2&quot; Stainless Steel Manifold End</td>
<td>Each</td>
</tr>
<tr>
<td>3750010</td>
<td>Fiber Flat Gasket for 1 1/2&quot; Stainless Manifold Branch Replacement Part – 1&quot;</td>
<td>Each</td>
</tr>
<tr>
<td>3750020</td>
<td>Fiber Flat Gasket for 1 1/2&quot; Stainless Manifold End Replacement Part – 1 1/4&quot;</td>
<td>Each</td>
</tr>
<tr>
<td>3750171</td>
<td>Manifold Bracket for 1 1/2&quot; Stainless Steel Manifold</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3750179</td>
<td>Air Vent for 1 1/2&quot; Stainless Steel Manifold</td>
<td>Each</td>
</tr>
<tr>
<td>3810008</td>
<td>Automatic Air Vent, Replacement Part, 1 Loop</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3810009</td>
<td>Composite Manifold Base Kit, Drain/Vent Module &amp; Basic Cap</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3810010</td>
<td>Drain Valve for #3810009</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3810014</td>
<td>Composit Manifold Isolation Ball-Valves</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3810015</td>
<td>Hose Connector for Drain Valve</td>
<td>Each</td>
</tr>
<tr>
<td>3810016</td>
<td>Composite Manifold Thermometer</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3810170</td>
<td>Composite Manifold Supply Valve</td>
<td>Each</td>
</tr>
<tr>
<td>3810171</td>
<td>Composite Manifold Bracket</td>
<td>Set of 2</td>
</tr>
<tr>
<td>3810172</td>
<td>Composite Manifold Supply Flowmeter Valve</td>
<td>Each</td>
</tr>
<tr>
<td>3810174</td>
<td>Composite Manifold Return Valve</td>
<td>Each</td>
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</table>
### Spare Parts (cont.)

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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<tbody>
<tr>
<td>3811173</td>
<td>Plastic Valve Cap for Composite Manifold</td>
<td></td>
</tr>
<tr>
<td>4700152</td>
<td>Compression Ring for #4310500</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4700153</td>
<td>Compression Ring for #4310625</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4700154</td>
<td>Compression Ring for #4320750</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4701770</td>
<td>O-Ring for EK 20 Insert</td>
<td>Each</td>
</tr>
</tbody>
</table>
LIMITED WARRANTY—EFFECTIVE MAY 1, 2018
VALID FOR MrPEX® SYSTEMS TUBING & PANEL HEATING COMPONENTS

LIMITED WARRANTY

MrPEX® Systems warrants to its "clients" that the MrPEX® Systems Tubing and Panel Heating Components, used for Panel Heating applications, sold hereunder shall be free from defects in material and workmanship and that the components will conform to specifications stated in MrPEX® Systems Publications. This Limited Warranty shall expire thirty (30) years for the MrPEX® Systems tubing, five (5) years for DZR Press Fittings and two (2) years for all other components, from date of shipment by MrPEX® Systems unless otherwise specified in writing. MrPEX® Systems further warrants that products listed are compatible with each other, but at the same time we disclaim warranty for claims related to compatibility with non-MrPEX® Systems products. Components sold under this Limited Warranty must (1) be selected, designed, and installed according to the instructions in MrPEX® Systems Publications using appropriate trade workmanship and according to the local building code(s), (2) remain in their originally installed location, (3) are connected to appropriate water and power supplies, (4) show no evidence of tampering, mishandling, neglect, accidental damage, modification or repair without the approval of MrPEX® Systems or damage done to the product by anyone other than MrPEX® Systems authorized personnel. MrPEX® Systems’ sole obligation hereunder shall be, at its option, to issue credit, repair or replace any component or part thereof which is proved to be other than as warranted. No allowance shall be made to clients for transportation or labor charges unless such charges are authorized in writing in advance by MrPEX® Systems. Any repairs without the express written consent of MrPEX® Systems, shall render this Limited Warranty invalid. Warranty claims must be received by MrPEX® Systems within the applicable warranty period and within thirty (30) days from the time when the cause for the claim occurred or was discovered. Upon receipt of prompt notice of a warranty claim, MrPEX® Systems shall have ten (10) business days in which to determine whether it acknowledges responsibility for any asserted defects in material or workmanship and the appropriate action to be taken. This Limited Warranty and any claims arising from breach of warranty, or any other claim arising hereunder, shall be governed and construed under the laws of the State of Minnesota. No other persons than MrPEX® Systems employees have any express or implied authority to bind MrPEX® Systems to any agreement or warranty of any kind without the express written consent of MrPEX® Systems.

Disclaimer of Warranties:

MrPEX® Systems disclaims any warranty not provided herein including the implied warranty of merchantability and implied warranty of fitness for a particular purpose. It is expressly understood that MrPEX® Systems is not responsible for any consequential or other damages that may arise from using MrPEX® Systems components. Damage resulting from water freezing in the tubing does not constitute a defect in material or workmanship, and shall not be covered by this warranty. MrPEX® Systems tubing may not be stored in direct sunlight for any period longer than three weeks or this limited warranty becomes invalid. MrPEX® Systems disclaims any statutory or implied warranty of habitability. MrPEX® Systems further disclaims any responsibility for losses, expenses, inconveniences, special, indirect, secondary, incidental or consequential damages arising from ownership or use of the articles sold hereunder. There are no warranties which extend beyond the face hereof.
PRE-INSULATED PEX-a TUBING

Full coils are 328 feet. Shorter coil lengths are available with a $50.00 net cut fee. All freight on Pre-Insulated PEX Products will be added to invoice. No FFA allowance provided by MrPEX®.

Pre-Insulated PEX-a Barrier Tubing

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<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
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<tbody>
<tr>
<td>1510032</td>
<td>32mm (1&quot;) PEX Single - 90mm Outer Jacket</td>
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<tr>
<td>1510040</td>
<td>40mm (1 1/4&quot;) PEX Single - 140mm Outer Jacket</td>
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<tr>
<td>1510050</td>
<td>50mm (1 1/2&quot;) PEX Single - 140mm Outer Jacket</td>
<td>Per Ft</td>
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<tr>
<td>1510063</td>
<td>63mm (2&quot;) PEX Single - 160mm Outer Jacket</td>
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<tr>
<td>1510075</td>
<td>75mm (2 1/2&quot;) PEX Single - 160mm Outer Jacket</td>
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</tr>
<tr>
<td>1510090</td>
<td>90mm (3&quot;) PEX Single - 200mm Outer Jacket</td>
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<tr>
<td>1510110</td>
<td>110mm (3 1/2&quot;) PEX Single - 200mm Outer Jacket</td>
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<tr>
<td>1520028</td>
<td>28mm (3/4&quot;) PEX Double - 140mm Outer Jacket</td>
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<td>1520032</td>
<td>32mm (1&quot;) PEX Double - 140mm Outer Jacket</td>
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<td>50mm (1 1/2&quot;) PEX Double - 160mm Outer Jacket</td>
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<tr>
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<td>63mm (2&quot;) PEX Double - 200mm Outer Jacket</td>
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Brass Transition Fittings (Heating Only)

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<td>32mm PEX x 1&quot; NPT</td>
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<td>1504012</td>
<td>40mm PEX x 1 1/4&quot; NPT</td>
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<td>1505015</td>
<td>50mm PEX x 1 1/2&quot; NPT</td>
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<tr>
<td>1506320</td>
<td>63mm PEX x 2&quot; NPT</td>
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<td>1507525</td>
<td>75mm PEX x 2 1/2&quot; NPT</td>
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<tr>
<td>1509030</td>
<td>90mm PEX x 3&quot; NPT</td>
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<tr>
<td>1501104</td>
<td>110mm PEX x 4&quot; NPT</td>
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## ACCESSORIES

### Single Dust Cap

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<tr>
<td>1500002</td>
<td>40mm (1 1/4&quot;) Single - 140mm OD</td>
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</tr>
<tr>
<td>1500003</td>
<td>50mm (1 1/2&quot;) Single - 140mm OD</td>
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<tr>
<td>1500004</td>
<td>63mm (2&quot;) Single - 160mm OD</td>
<td>Each</td>
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<tr>
<td>1500005</td>
<td>75mm (2 1/2&quot;) Single - 160mm OD</td>
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</tr>
<tr>
<td>1500006</td>
<td>90mm (3&quot;) Single - 200mm OD</td>
<td>Each</td>
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<tr>
<td>1500007</td>
<td>110mm (3 1/2&quot;) Single - 200mm OD</td>
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### Double Dust Cap

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<td>1500009</td>
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<td>Each</td>
</tr>
<tr>
<td>1500010</td>
<td>50mm (1 1/2&quot;) Double - 160mm OD</td>
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<td>1500011</td>
<td>63mm (2&quot;) Double - 200mm OD</td>
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### Single Shrink Cap

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<tr>
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<tr>
<td>1500013</td>
<td>63-75mm (2&quot; - 2 1/2&quot;) Single - 160mm OD</td>
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<tr>
<td>1500014</td>
<td>90-110mm (3&quot; - 4&quot;) Single - 200mm OD</td>
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### Double Shrink Cap

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<tbody>
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</tr>
<tr>
<td>1500016</td>
<td>40mm (1 1/4&quot;) Double - 160mm OD</td>
<td>Each</td>
</tr>
<tr>
<td>1500017</td>
<td>50mm (1 1/2&quot;) Double - 160mm OD</td>
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<tr>
<td>1500018</td>
<td>63mm (2&quot;) Double - 200mm OD</td>
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### Shrink Sleeve

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<tr>
<td>1500019</td>
<td>90mm Jacket 225mm long</td>
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<tr>
<td>1500020</td>
<td>140mm Jacket 225mm Long</td>
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<tr>
<td>1500021</td>
<td>200mm Jacket 225mm Long</td>
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### Repair Tape

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<tr>
<td>1500022</td>
<td>200mm Wide x 10m Long</td>
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<tr>
<td>1500023</td>
<td>150mm Wide x 10m Long</td>
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### Wall Feed Through Assembly

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<tr>
<td>1500024</td>
<td>Fits 75mm &amp; 90mm Jacket 400mm Long</td>
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<td>1500025</td>
<td>Fits 110mm Jacket 400mm Long</td>
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</tr>
<tr>
<td>1500026</td>
<td>Fits 140mm &amp; 160mm Jacket 400mm Long</td>
<td>Each</td>
</tr>
<tr>
<td>1500027</td>
<td>Fits 200mm Jacket 400mm Long</td>
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### Straight Insulation Sleeve

<table>
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<th>TYPE</th>
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<tbody>
<tr>
<td>1500028</td>
<td>200mm Jacket 225mm x 1000mm Long</td>
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<tr>
<td>1500029</td>
<td>160mm Jacket 180mm x 1000mm Long</td>
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<tr>
<td>1500030</td>
<td>140mm Jacket 160mm x 850mm Long</td>
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<td>1500031</td>
<td>110mm Jacket 125mm x 700mm Long</td>
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<tr>
<td>1500032</td>
<td>90mm/75mm Jacket 110mm x 700mm Long</td>
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### T-Insulation Kit

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<td>1500033</td>
<td>T-Insulation Kit - Fits 225/200/160/140 Jacket Pipes</td>
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<td>1500034</td>
<td>T-Insulation Kit - Fits 140/110/90 Jacket Pipes</td>
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<td>1500035</td>
<td>L-Insulation Kit - Fits 225/200/160/140 Jacket Pipes</td>
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### Underground Inspection Chamber

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<tr>
<td>1500036</td>
<td>Fits 225/200/160/140 Jacket Pipes</td>
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### Seal Chain Assembly

<table>
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<tr>
<td>1500037</td>
<td>Fits 90mm Jacket 150mm Wall Opening</td>
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<tr>
<td>1500038</td>
<td>Fits 110mm Jacket 150mm Wall Opening</td>
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</tr>
<tr>
<td>1500039</td>
<td>Fits 140mm Jacket 200mm Wall Opening</td>
<td>Each</td>
</tr>
<tr>
<td>1500040</td>
<td>Fits 160mm Jacket 250mm Wall Opening</td>
<td>Each</td>
</tr>
<tr>
<td>1500041</td>
<td>Fits 200mm Jacket 250mm Wall Opening</td>
<td>Each</td>
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</table>
LIMITED WARRANTY—EFFECTIVE MAY 1, 2018 VALID FOR MrPEX® PRE-INSULATED TUBING & PRE-INSULATED COMPONENTS

LIMITED WARRANTY

MrPEX® Systems warrants to its "clients" that the MrPEX® Systems Pre-Insulated Tubing and Pre-Insulated Components, used for underground applications, sold hereunder shall be free from defects in material and workmanship and that the components will conform to specifications stated in MrPEX® Systems Publications. This Limited Warranty shall expire ten (10) years for all Pre-Insulated PEX and Components sold by MrPEX®, from date of shipment by MrPEX® Systems unless otherwise specified in writing. MrPEX® Systems further warrants that products listed are compatible with each other, but at the same time we disclaim warranty for claims related to compatibility with non-MrPEX® Systems products. Components sold under this Limited Warranty must (1) remain in their originally installed location, (2) are connected to appropriate water and power supplies, (3) show no evidence of tampering, mishandling, neglect, accidental damage, modification or repair without the approval of MrPEX® Systems or damage done to the product by anyone other than MrPEX® Systems authorized personnel. MrPEX® Systems’ sole obligation hereunder shall be, at its option, to issue credit, repair or replace any component or part thereof which is proved to be other than as warranted. No allowance shall be made to clients for transportation or labor charges unless such charges are authorized in writing in advance by MrPEX® Systems. Any repairs without the express written consent of MrPEX® Systems, shall render this Limited Warranty invalid. Warranty claims must be received by MrPEX® Systems within the applicable warranty period and within thirty (30) days from the time when the cause for the claim occurred or was discovered. Upon receipt of prompt notice of a warranty claim, MrPEX® Systems shall have ten (10) business days in which to determine whether it acknowledges responsibility for any asserted defects in material or workmanship and the appropriate action to be taken. This Limited Warranty and any claims arising from breach of warranty, or any other claim arising hereunder, shall be governed and construed under the laws of the State of Minnesota. No other persons than MrPEX® Systems employees have any express or implied authority to bind MrPEX® Systems to any agreement or warranty of any kind without the express written consent of MrPEX® Systems.

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MrPEX® POTABLE PEX-a TUBING
MrPEX® POTABLE PEX-a Tubing is Cross-Linked Polyethylene (PEX-a) manufactured in accordance with ASTM F 876. Tubing is listed to ASTM F 876/F877/F2023, ASTM E84 (CSA B137.5), cNSFus-pw, NSF/ANSI-61, NSF/ANSI-14, Annex G, NSF U.P.Code PEX 5106, ICC-PMG, ANSI/AWWA 904. MrPEX® POTABLE PEX-a tubing is rated by the Hydrostatic Stress Board of PPI (Plastics Pipe Institute) at: 160 psi at 73.4°F; 100 psi at 180°F. MrPEX® POTABLE PEX-a tubing may be used with fittings that are compliant with ASTM F1807/F1960/F2080/F2098/F2159 standards.

MrPEX® POTABLE PEX-a tubing is offered in coils and straight lengths of RED, WHITE and BLUE colors to help identify hot and cold water supply.

WHITE - MrPEX POTABLE PEX-a TUBING

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<td>1620030</td>
<td>1/2&quot;</td>
<td>300 ft. Coil</td>
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<tr>
<td>1620050</td>
<td>1/2&quot;</td>
<td>500 ft. Coil</td>
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<tr>
<td>1621040</td>
<td>1/2&quot;</td>
<td>Bag of 20 – 400 ft. (20 ft. Sticks)</td>
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<tr>
<td>1641020</td>
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<td>200 ft. (20 ft. Sticks)</td>
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<tr>
<td>1642030</td>
<td>3/4&quot;</td>
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<tr>
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<td>1&quot;</td>
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<tr>
<td>1651010</td>
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NATURAL - MrPEX PEX-a POTABLE TUBING

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## RED - MrPEX POTABLE PEX-a TUBING

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<td>1721040</td>
<td>1/2&quot;</td>
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<tr>
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<td>3/4&quot;</td>
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## BLUE - MrPEX POTABLE PEX-a TUBING

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<td>Bag of 5 - 100 ft. (20 ft. Sticks)</td>
</tr>
</tbody>
</table>
MrPEX POTABLE PIPE-IN-PIPE PEX-a TUBING

RED - Pipe-In-Pipe MrPEX PEX-a POTABLE TUBING w/ Corrugated Outer Jacket

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970530</td>
<td>1/2&quot;</td>
<td>300 ft. Coil</td>
</tr>
<tr>
<td>1970730</td>
<td>3/4&quot;</td>
<td>300 ft. Coil</td>
</tr>
<tr>
<td>1970110</td>
<td>1&quot;</td>
<td>100 ft. Coil</td>
</tr>
</tbody>
</table>

BLUE - Pipe-In-Pipe MrPEX PEX-a POTABLE TUBING w/ Corrugated Outer Jacket

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>1980530</td>
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<td>300 ft. Coil</td>
</tr>
<tr>
<td>1980730</td>
<td>3/4&quot;</td>
<td>300 ft. Coil</td>
</tr>
<tr>
<td>1980110</td>
<td>1&quot;</td>
<td>100 ft. Coil</td>
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</table>
MULTIPOINT TEES

COMPOSITE MULTIPOINT TEE’S, F2159 FITTINGS

MrPEX® Composite Multiport Tees are made from a blend of engineered high performance Polyphenylsulfone (PPSU) resin to achieve a long-term durable product. These PPSU fittings are durable, light weight, corrosion free, and resistant to chlorine and other substances that may be present in today’s potable water supply. The Sulfone resin has been used and refined over the past 20 years and has proven a very reliable replacement for brass and copper fittings. MrPEX® multiport tees meet ASTM F2159. MrPEX Stainless Steel Press Sleeves and PEX Press tools are required and purchased separately.

**Single Side - 3/4” PEX Inlet x Closed End x 1/2” PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3011030</td>
<td>3 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3011040</td>
<td>4 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3011060</td>
<td>6 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3011080</td>
<td>8 Branches</td>
<td>Bag of 5</td>
</tr>
</tbody>
</table>

**Single Side - 1” PEX Inlet x Closed End x 1/2” PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3012060</td>
<td>6 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3012080</td>
<td>8 Branches</td>
<td>Bag of 5</td>
</tr>
</tbody>
</table>

**Double Side - 1” PEX Inlet x Closed End x 1/2” PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3012330</td>
<td>3+3 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3012440</td>
<td>4+4 Branches</td>
<td>Bag of 5</td>
</tr>
</tbody>
</table>

**Single Side - 3/4” PEX Inlet x 3/4” PEX End x 1/2” PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
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</thead>
<tbody>
<tr>
<td>3011031</td>
<td>3 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3011041</td>
<td>4 Branches</td>
<td>Bag of 5</td>
</tr>
</tbody>
</table>

**Single Side - 1” PEX Inlet x 3/4” PEX End x 1/2” PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>3012031</td>
<td>3 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3012041</td>
<td>4 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3012061</td>
<td>6 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3012081</td>
<td>8 Branches</td>
<td>Bag of 5</td>
</tr>
</tbody>
</table>
**MULTIPORT TEES**

LEARN MORE AT MRPEXSYSTEMS.COM

---

**COMPOSITE MULTIPORT TEE'S, F1960 FITTINGS**

**Double Side - 3/4" PEX Inlet x 3/4" PEX End x 1/2" PEX**

<table>
<thead>
<tr>
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<th>TYPE</th>
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<tbody>
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<td>Bag of 5</td>
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<tr>
<td>3011441</td>
<td>4+4 Branches</td>
<td>Bag of 5</td>
</tr>
</tbody>
</table>

**Double Side - 1" PEX Inlet x 3/4" PEX End x 1/2" PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3012331</td>
<td>3+3 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3012441</td>
<td>4+4 Branches</td>
<td>Bag of 5</td>
</tr>
</tbody>
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**Single Side - 3/4" PEX Inlet x 3/4" PEX End x 1/2" PEX**

<table>
<thead>
<tr>
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<th>UNIT</th>
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<tbody>
<tr>
<td>3051021</td>
<td>2 Branches</td>
<td>Bag of 5</td>
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<tr>
<td>3051031</td>
<td>3 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3051041</td>
<td>4 Branches</td>
<td>Bag of 5</td>
</tr>
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**Single Side - 3/4" PEX Inlet x Closed End x 1/2" PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3051030</td>
<td>3 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3051040</td>
<td>4 Branches</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>3051060</td>
<td>6 Branches</td>
<td>Bag of 5</td>
</tr>
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</table>

**Single Side - 1" PEX Inlet x 1" PEX End x 1/2" PEX**

<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>3052042</td>
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</tr>
<tr>
<td>3052062</td>
<td>6 Branches</td>
<td>Bag of 10</td>
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**Single Side - 1" PEX Inlet x 3/4" PEX End x 1/2" PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>3052041</td>
<td>4 Branches</td>
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</tr>
<tr>
<td>3052061</td>
<td>6 Branches</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>

**Single Side - 1" PEX Inlet x Closed End x 1/2" PEX**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>3052040</td>
<td>4 Branches</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>3052060</td>
<td>6 Branches</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>
COPPER MULTIPORT TEE'S, F1807 FITTINGS w/ 1" COPPER BODY
MrPEX® Copper Manifolds are made from type L copper. The No Lead product materials comply with NSF 61, which allows the product to contain no more than 0.25% lead. These manifolds meet F1807. MrPEX Stainless Steel Press Sleeves and PEX Press tools are required and purchased separately.

<table>
<thead>
<tr>
<th>Single Side - 3/4&quot; PEX Inlet x Closed End x 1/2&quot; PEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART#</td>
</tr>
<tr>
<td>3021030</td>
</tr>
<tr>
<td>3021040</td>
</tr>
<tr>
<td>3021060</td>
</tr>
<tr>
<td>3021080</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Single Side - 1&quot; PEX Inlet x Closed End x 1/2&quot; PEX</th>
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</thead>
<tbody>
<tr>
<td>PART#</td>
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<tr>
<td>3022060</td>
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<tr>
<td>3022080</td>
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<table>
<thead>
<tr>
<th>Single Side - 3/4&quot; PEX Inlet x 3/4&quot; PEX End x 1/2&quot; PEX</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>3021031</td>
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<tr>
<td>3021041</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Single Side - 1&quot; PEX Inlet x 3/4&quot; PEX End x 1/2&quot; PEX</th>
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</thead>
<tbody>
<tr>
<td>PART#</td>
</tr>
<tr>
<td>3022041</td>
</tr>
<tr>
<td>3022061</td>
</tr>
<tr>
<td>3022081</td>
</tr>
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</table>
COPPER MANIFOLDS w/ BALL VALVES

COPPER MANIFOLD w/ VALVES, LF BRASS  
F1807 FITTINGS w/ 1" COPPER BODY

MrPEX® Copper Manifolds are made from type L copper and Lead Free Brass. The No Lead product materials comply with NSF 61, which allows the product to contain no more than 0.25% lead. These manifolds meet F1807. MrPEX Stainless Steel Press Sleeves and PEX Press tools are required and purchased separately.

Single Side - 3/4" PEX Inlet x Closed End x 1/2" PEX

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3031040</td>
<td>4 Branches</td>
<td>Each</td>
</tr>
<tr>
<td>3031050</td>
<td>5 Branches</td>
<td>Each</td>
</tr>
<tr>
<td>3031060</td>
<td>6 Branches</td>
<td>Each</td>
</tr>
</tbody>
</table>

Single Side - 1" Sweat Right Inlet x Closed End x 1/2" PEX Valves

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3042080</td>
<td>8 Branches</td>
<td>Each</td>
</tr>
<tr>
<td>3042100</td>
<td>10 Branches</td>
<td>Each</td>
</tr>
<tr>
<td>3042120</td>
<td>12 Branches</td>
<td>Each</td>
</tr>
</tbody>
</table>

Single Side - 1" Sweat Left Inlet x Closed End x 1/2" PEX Valves

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3043080</td>
<td>8 Branches</td>
<td>Each</td>
</tr>
<tr>
<td>3043100</td>
<td>10 Branches</td>
<td>Each</td>
</tr>
<tr>
<td>3043120</td>
<td>12 Branches</td>
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PPSU FITTINGS

F2159 PEX PRESS FITTINGS - PPSU
MrPEX® plastic fittings are made from a blend of engineered high performance PolyPhenylSUlfone (PPSU) resin to achieve a long-term durable product. These PPSU fittings are durable, light weight, corrosion free, and resistant to chlorine and other substances that may be present in today’s potable water supply. The Sulfone resin has been used and refined over the past 20 years and has proven a very reliable replacement for brass and copper fittings. MrPEX® fittings are listed to ASTM F2159. MrPEX® Stainless Steel Press Sleeves and PEX Press tools are required and purchased separately.

PEX Press Sleeves – Stainless Steel for F1807 & F2159

<table>
<thead>
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<tbody>
<tr>
<td>4000500</td>
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<tr>
<td>4000750</td>
<td>3/4&quot;</td>
<td>Bag of 50</td>
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<tr>
<td>4001000</td>
<td>1&quot;</td>
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Stainless Steel PEX Clamps – F2098

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<td>4900500</td>
<td>1/2&quot; SS PEX Clamp - F2098</td>
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<tr>
<td>4900750</td>
<td>3/4&quot; SS PEX Clamp - F2098</td>
<td>Bag of 50</td>
</tr>
<tr>
<td>4901000</td>
<td>1&quot; SS PEX Clamp - F2098</td>
<td>Bag of 50</td>
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F2159 PPSU – Couplings

<table>
<thead>
<tr>
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<th>UNIT</th>
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<tbody>
<tr>
<td>4015050</td>
<td>1/2&quot; PEX x 1/2&quot; PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4017550</td>
<td>3/4&quot; PEX x 1/2&quot; PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4017575</td>
<td>3/4&quot; PEX x 3/4&quot; PEX</td>
<td>Bag of 25</td>
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<tr>
<td>4011010</td>
<td>1&quot; PEX x 1&quot; PEX</td>
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</tr>
<tr>
<td>4011075</td>
<td>1&quot; PEX x 3/4&quot; PEX</td>
<td>Bag of 10</td>
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</table>

F2159 PPSU – Threaded Adapter, Male

<table>
<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
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<tbody>
<tr>
<td>4025050</td>
<td>1/2&quot; PEX x 1/2&quot; NPT</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4025075</td>
<td>1/2&quot; PEX x 3/4&quot; NPT</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4027550</td>
<td>3/4&quot; PEX x 1/2&quot; NPT</td>
<td>Bag of 25</td>
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<td>4027575</td>
<td>3/4&quot; PEX x 3/4&quot; NPT</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4021010</td>
<td>1&quot; PEX x 1&quot; NPT</td>
<td>Bag of 10</td>
</tr>
</tbody>
</table>

F2159 PPSU – Threaded Adapter, Female

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4035050</td>
<td>1/2&quot; PEX x 1/2&quot; NPT</td>
<td>Bag of 25</td>
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<tr>
<td>4037575</td>
<td>3/4&quot; PEX x 3/4&quot; NPT</td>
<td>Bag of 25</td>
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<tr>
<td>4031010</td>
<td>1&quot; PEX x 1&quot; NPT</td>
<td>Bag of 10</td>
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## F2159 PPSU – Plug

<table>
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<td>Bag of 25</td>
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<tr>
<td>4041000</td>
<td>1” PEX</td>
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<td>$10.00</td>
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</table>

## F2159 PPSU – Elbow

<table>
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</thead>
<tbody>
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<td>Bag of 25</td>
</tr>
<tr>
<td>4067550</td>
<td>3/4” PEX x 1/2” PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4067575</td>
<td>3/4” PEX x 3/4” PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4061010</td>
<td>1” PEX x 1” PEX</td>
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## F2159 PPSU – Swivel Adapter

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<td>4075151</td>
<td>1/2” PEX x 1/2” NPT, Straight</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4075252</td>
<td>1/2” PEX x 1/2” NPT, Elbow</td>
<td>Bag of 25</td>
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</table>

## F2159 PPSU – Threaded Elbow

<table>
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<tr>
<td>4075050</td>
<td>1/2” PEX x 1/2” NPT, Male</td>
<td>Bag of 25</td>
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<tr>
<td>4077550</td>
<td>3/4” PEX x 1/2” NPT, Male</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4077575</td>
<td>3/4” PEX x 3/4” NPT, Male</td>
<td>Bag of 25</td>
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</table>

## F2159 PPSU – Tee

<table>
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<tbody>
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<td>Bag of 25</td>
</tr>
<tr>
<td>4097555</td>
<td>3/4” PEX x 1/2” PEX x 1/2” PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4097557</td>
<td>3/4” PEX x 1/2” PEX x 3/4” PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4097571</td>
<td>3/4” PEX x 3/4” PEX x 1” PEX</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4097575</td>
<td>3/4” PEX x 3/4” PEX x 1/2” PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4097577</td>
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<td>4091011</td>
<td>1” PEX x 1” PEX x 1” PEX</td>
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<td>4091015</td>
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<td>Bag of 10</td>
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<td>Bag of 10</td>
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</tbody>
</table>
MrPEX® plastic fittings are made from a blend of engineered high performance PolyPhenylSulfone (PPSU) resin to achieve a long-term durable product. These PPSU fittings are durable, light weight, corrosion free, and resistant to chlorine and other substances that may be present in today’s potable water supply. The Sulfone resin has been used and refined over the past 20 years and has proven a very reliable replacement for brass and copper fittings.

### F1960 PEX Ring

<table>
<thead>
<tr>
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<th>UNIT</th>
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### F1960 PPSU - Coupling

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<td>4667575</td>
<td>3/4&quot; PEX x 3/4&quot; PEX</td>
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<tr>
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LF BRASS FITTINGS

F1807 PEX PRESS FITTINGS - LF BRASS

MrPEX® Lead Free Brass fittings comply with NSF 61, which allows the product to contain no more than 0.25% lead. These fittings meet F1807. MrPEX Stainless Steel Press Sleeves and PEX Press tools are required and purchased separately.

PEX Press Sleeves – Stainless Steel for F1807 & F2159

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Stainless Steel PEX Clamps – F2098

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F1807 LF Brass – Plug

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F1807 LF Brass – Coupling

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F1807 LF Brass – Threaded Adapter, Male

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### F1807 LF Brass – Sweat Adapter, Male

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### F1807 LF Brass – Elbow

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### F1807 LF Brass - Threaded Elbow, Male

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### F1807 LF Brass – Sweat Elbow, Male

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### F1960 PEX Expansion Fittings - LF Brass

MrPEX® Lead Free Brass fittings comply with NSF 61, which allows the product to contain no more than 0.25% lead.

#### F1960 PEX Ring

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#### F1960 LF Brass - Coupling

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### F1960 LF Brass - Threaded Adapter, Male

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<td>1” x 3/4” NPT</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4821313</td>
<td>1-1/4” PEX x 1-1/4” NPT</td>
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</tr>
<tr>
<td>4821515</td>
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</tr>
<tr>
<td>4822020</td>
<td>2” PEX x 2” NPT</td>
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### F1960 LF Brass - Threaded Adapter, Female

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4835050</td>
<td>1/2” PEX x 1/2” NPT</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4835075</td>
<td>1/2” PEX x 3/4” NPT</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4837550</td>
<td>3/4” PEX x 1/2” NPT</td>
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<tr>
<td>4837575</td>
<td>3/4” PEX x 3/4” NPT</td>
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</tr>
<tr>
<td>4831010</td>
<td>1” PEX x 1” NPT</td>
<td>Bag of 25</td>
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### F1960 LF Brass - Plug

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<tr>
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<td>1/2&quot; PEX</td>
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<tr>
<td>4840750</td>
<td>3/4&quot; PEX</td>
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<tr>
<td>4841000</td>
<td>1&quot; PEX</td>
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### F1960 LF Brass - Sweat Adapter Male

<table>
<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
</tr>
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<tbody>
<tr>
<td>4845050</td>
<td>1/2” PEX x 1/2” CU</td>
<td>Bag of 50</td>
</tr>
<tr>
<td>4845075</td>
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<td>Bag of 25</td>
</tr>
<tr>
<td>4847550</td>
<td>3/4” PEX x 1/2” CU</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4847575</td>
<td>3/4” PEX x 3/4” CU</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4841010</td>
<td>1” PEX x 1” CU</td>
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</tr>
<tr>
<td>4841313</td>
<td>1-1/4” PEX x 1-1/4” CU</td>
<td>Bag of 15</td>
</tr>
<tr>
<td>4841515</td>
<td>1-1/2” PEX x 1-1/2” CU</td>
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</tr>
<tr>
<td>4842020</td>
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</table>
### F1960 LF Brass - Sweat Adapter Female

<table>
<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
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<td>4855050</td>
<td>1/2&quot; PEX x 1/2&quot; CU</td>
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<tr>
<td>4855075</td>
<td>1/2&quot; PEX x 3/4&quot; CU</td>
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<tr>
<td>4857575</td>
<td>3/4&quot; PEX x 3/4&quot; CU</td>
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<tr>
<td>4851010</td>
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</tr>
<tr>
<td>4851313</td>
<td>1-1/4&quot; PEX x 1-1/4&quot; CU</td>
<td>Bag of 10</td>
</tr>
<tr>
<td>4851515</td>
<td>1-1/2&quot; PEX x 1-1/2&quot; CU</td>
<td>Bag of 5</td>
</tr>
<tr>
<td>4852020</td>
<td>2&quot; PEX x 2&quot; CU</td>
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### F1960 LF Brass - Elbow

<table>
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<tr>
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<tbody>
<tr>
<td>4865050</td>
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</tr>
<tr>
<td>4867550</td>
<td>3/4&quot; PEX x 1/2&quot; PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4867575</td>
<td>3/4&quot; PEX x 3/4&quot; PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4861010</td>
<td>1&quot; PEX x 1&quot; PEX</td>
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</tr>
<tr>
<td>4861075</td>
<td>1&quot; PEX x 3/4&quot; PEX</td>
<td>Bag of 25</td>
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</table>

### F1960 LF Brass - Threaded Elbow, Male

<table>
<thead>
<tr>
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<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4875050</td>
<td>1/2&quot; PEX x 1/2&quot; NPT</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4875051</td>
<td>1/2&quot; PEX x 1/2&quot; Drop Ear</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4877550</td>
<td>1/2&quot; PEX x 3/4&quot; NPT</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4877575</td>
<td>3/4&quot; PEX x 3/4&quot; NPT</td>
<td>Bag of 25</td>
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</table>

### F1960 LF Brass - Tee

<table>
<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4895055</td>
<td>1/2&quot; PEX x 1/2&quot; PEX x 1/2&quot; PEX</td>
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</tr>
<tr>
<td>4895057</td>
<td>1/2&quot; PEX x 1/2&quot; PEX x 3/4&quot; PEX</td>
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<tr>
<td>4897555</td>
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<td>Bag of 25</td>
</tr>
<tr>
<td>4897571</td>
<td>3/4&quot; PEX x 3/4&quot; PEX x 1&quot; PEX</td>
<td>Bag of 25</td>
</tr>
<tr>
<td>4897575</td>
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<td>Bag of 25</td>
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<tr>
<td>4891011</td>
<td>1&quot; PEX x 1&quot; PEX x 1&quot; PEX</td>
<td>Bag of 10</td>
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<tr>
<td>4891015</td>
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<tr>
<td>4891017</td>
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<tr>
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<td>4891075</td>
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## ACCESSORIES

### F1807 LF Brass – Inline Ball Valve, Full Port

<table>
<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
</tr>
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<tbody>
<tr>
<td>4100050</td>
<td>1/2” PEX x 1/2” PEX</td>
<td>Box of 10</td>
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<tr>
<td>4100075</td>
<td>3/4” PEX x 3/4” PEX</td>
<td>Box of 8</td>
</tr>
<tr>
<td>4100010</td>
<td>1” PEX x 1” PEX</td>
<td>Box of 4</td>
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### F1807 LF Brass – Tub Ell, 6” x 2 1/4”

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>4100057</td>
<td>1/2” PEX</td>
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### Tub/Shower Elbow

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<tr>
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<tbody>
<tr>
<td>4100155</td>
<td>1/2” PEX x 1/2” FIP</td>
<td>Bag of 50</td>
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### Chrome Tube Sleeve

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<tr>
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<th>TYPE</th>
<th>UNIT</th>
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<tbody>
<tr>
<td>4108104</td>
<td>1/2” PEX</td>
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### Chrome Escutcheon

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<tbody>
<tr>
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</tr>
<tr>
<td>4108106</td>
<td>3/4” PEX</td>
<td>Box of 25</td>
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### F1807 Threaded Swivel Adapter, Straight, Plastic Nut

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4108107</td>
<td>1/2” PEX x 1/2” FIP</td>
<td>Box of 25</td>
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</table>

### F1807 LF Brass – Stub Out Straight, 8”, Closed End

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>4109001</td>
<td>1/2” PEX</td>
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### F1807 LF Brass – Stub Out Elbow, 3 1/2” x 8”, Closed End

<table>
<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>4109002</td>
<td>1/2” PEX</td>
<td>Bag of 50</td>
</tr>
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</table>

### F1807 LF Brass – Drop Ear Stub Out Elbow, 3 1/2” x 8”, Closed End

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4109003</td>
<td>1/2” PEX</td>
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### F1807 LF Brass – Angle Stop

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4109053</td>
<td>1/2” PEX x 3/8” Comp.</td>
<td>Box of 24</td>
</tr>
<tr>
<td><strong>F1807 LF Brass – Straight Stop</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>PART#</strong></td>
<td><strong>TYPE</strong></td>
<td><strong>UNIT</strong></td>
</tr>
<tr>
<td>4109153</td>
<td>1/2&quot; PEX x 3/8&quot; Comp.</td>
<td>Box of 24</td>
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</table>

| **F1807 LF Brass – Water Heater Flex Connector** |
|-----------------------------------------------|-----------------|-------------|
| **PART#** | **TYPE** | **UNIT** |
| 4109277 | 3/4" PEX x 3/4" FIP Swivel | Box of 10 |

| **F1807 LF Brass – Water Heater Flex Connector w/ Ball Valve** |
|---------------------------------------------------------------|-----------------|-------------|
| **PART#** | **TYPE** | **UNIT** |
| 4109278 | 3/4" PEX x 3/4" FIP Swivel | Box of 25 |

| **F1807 LF Brass – Washing Machine Box** |
|-----------------------------------------|-----------------|-------------|
| **PART#** | **TYPE** | **UNIT** |
| 4109301 | 1/2" PEX | Each |

| **F1807 LF Brass – Ice Maker Box** |
|-----------------------------------|-----------------|-------------|
| **PART#** | **TYPE** | **UNIT** |
| 4109302 | 1/2" PEX x 1/4" Comp. | Each |

| **Tube Talon** |
|----------------|-----------------|-------------|
| **PART#** | **TYPE** | **UNIT** |
| 4101050 | 1/2" | Bag of 100 |
| 4101075 | 3/4" | Bag of 100 |
| 4101010 | 1" | Bag of 50 |

| **Stub Out Bracket, Galvanized Steel** |
|--------------------------------------|-----------------|-------------|
| **PART#** | **TYPE** | **UNIT** |
| 4108002 | 2" x 20" | Box of 50 |

| **Grommet for Galvanized Bracket or Metal Stud** |
|-----------------------------------------------|-----------------|-------------|
| **PART#** | **TYPE** | **UNIT** |
| 4108050 | 1/2" | Bag of 100 |
| 4108075 | 3/4" | Bag of 100 |
| 4108010 | 1" | Bag of 25 |

| **Nail Guard, 18ga, Self Nailing Plates** |
|------------------------------------------|-----------------|-------------|
| **PART#** | **TYPE** | **UNIT** |
| 4108101 | 1.5" x 3", Single Plate | Box of 100 |
| 4108102 | 3" x 5", Double Plate | Box of 100 |
| 4108103 | 1.5" x 5" Single Plate | Box of 100 |
PLUMBING TOOLS

INSTALLATION TOOLS

MrPEX® Installation Tools features tube handling tools for PEX as well as prep and press fitting tools.

**Compact Adjustable Tubing Uncoiler**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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</thead>
<tbody>
<tr>
<td>8110720</td>
<td>Heavy Duty</td>
<td>Each</td>
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**Pipe Cutter**

<table>
<thead>
<tr>
<th>PART#</th>
<th>TYPE</th>
<th>UNIT</th>
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<tbody>
<tr>
<td>8120878</td>
<td>For All Sizes Up to 1 1/4” PEX &amp; PAP</td>
<td>Each</td>
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**Simple Cutter**

<table>
<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8120879</td>
<td>For 3/8” – 1” Tubing</td>
<td>Each</td>
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</table>

**Feed Eye with bracket for PEX Tubing**

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<thead>
<tr>
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<th>TYPE</th>
<th>UNIT</th>
</tr>
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<tbody>
<tr>
<td>8110722</td>
<td>For All Sizes Up to 1 1/4” PEX &amp; PAP</td>
<td>Each</td>
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</table>

**Bracket for #8110721 & 8110722**

<table>
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<th>TYPE</th>
<th>UNIT</th>
</tr>
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<tbody>
<tr>
<td>8110723</td>
<td>For 3/8” – 1” Tubing</td>
<td>Each</td>
</tr>
<tr>
<td>PART#</td>
<td>TYPE</td>
<td>UNIT</td>
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<tr>
<td>-------</td>
<td>---------------------------</td>
<td>------</td>
</tr>
<tr>
<td>8400500</td>
<td>1/2” Stainless Steel Sleeves</td>
<td>Each</td>
</tr>
<tr>
<td>8400750</td>
<td>3/4” Stainless Steel Sleeves</td>
<td>Each</td>
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<tr>
<td>8401000</td>
<td>1” Stainless Steel Sleeves</td>
<td>Each</td>
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Manual Press Tool for PEX (F1807 & F2159), Compact

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<th>TYPE</th>
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<tr>
<td>8401050</td>
<td>1/2” Stainless Steel Sleeves</td>
<td>Each</td>
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Manual Press Tool for PEX (F1807 & F2159), Combination

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</thead>
<tbody>
<tr>
<td>8405075</td>
<td>1/2” &amp; 3/4” Stainless Steel Sleeves</td>
<td>Each</td>
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</table>

Manual PEX Expander Tool Kit (F1960)

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<tr>
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<tbody>
<tr>
<td>8500001</td>
<td>Manual F1960 PEX Expander Tool Kit - 1/2, 3/4, 1</td>
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PEX Expander Heads (F1960)

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<tr>
<td>8500500</td>
<td>1/2”</td>
<td>Each</td>
</tr>
<tr>
<td>8500750</td>
<td>3/4”</td>
<td>Each</td>
</tr>
<tr>
<td>8501000</td>
<td>1”</td>
<td>Each</td>
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Ratchet Pincer for SS PEX Clamps – F2098

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<tr>
<td>8410001</td>
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<td>Each</td>
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Clamp Cutter for SS PEX Clamps – F2098

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<th>TYPE</th>
<th>UNIT</th>
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<tbody>
<tr>
<td>4900500</td>
<td>For 1/2” through 1” PEX Clamps</td>
<td>Each</td>
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</table>
MrPEX® is pre-loaded in LoopCAD®
MrPEX’s radiant heating and snow melt systems are now available preloaded in LoopCAD. Not only can you design your circuit layouts, perform load calculations, and generate all hydronic data, you can also generate a complete materials list and quotation based on MrPEX’s detailed product information. The MrPEX® design recommendations and data are also built into the Add-on for you.

Below you can download LoopCAD with the MrPEX® Add-on already preloaded. Initially this will be in trial mode, giving you 30-days to evaluate the software for free. If you are downloading this as an update and you have already entered an Activation Code, the program automatically switch to the full version for you.

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VALID FOR MrPEX® SYSTEMS POTABLE PEX-a TUBING, FITTINGS & OTHER SELECT PLUMBING PRODUCTS

LIMITED WARRANTY

MrPEX® Systems warrants to its “clients” that the MrPEX® Systems POTABLE PEX-a Tubing and Plumbing Components, used for Plumbing applications, sold hereunder shall be free from defects in material and workmanship and that the components will conform to specifications stated in MrPEX® Systems Publications. This Limited Warranty shall expire thirty (30) years for the MrPEX® Systems POTABLE PEX-a tubing, five (5) years for Lead Free Brass Fittings, PPSU Fittings and two (2) years for all other components, from date of shipment by MrPEX® Systems unless otherwise specified in writing. MrPEX® Systems further warrants that products listed are compatible with Each other, but at the same time we disclaim warranty for claims related to compatibility with non-MrPEX® Systems products. Components sold under this Limited Warranty must (1) be selected, designed, and installed according to the instructions in MrPEX® Systems Publications using appropriate trade workmanship and according to the local building code(s), (2) remain in their originally installed location, (3) are connected to appropriate water and power supplies, (4) show no evidence of tampering, mishandling, neglect, accidental damage, modification or repair without the approval of MrPEX® Systems or damage done to the product by anyone other than MrPEX® Systems authorized personnel. A ten (10) year system warranty shall be offered when a potable water system is installed solely with MrPEX® Systems tubing, fittings, and components. MrPEX® Systems’ sole obligation hereunder shall be, at its option, to issue credit, repair or replace any component or part thereof which is proved to be other than as warranted. No allowance shall be made to clients for transportation or labor charges unless such charges are authorized in writing in advance by MrPEX® Systems. Any repairs without the express written consent of MrPEX® Systems, shall render this Limited Warranty invalid. Warranty claims must be received by MrPEX® Systems within the applicable warranty period and within thirty (30) days from the time when the cause for the claim occurred or was discovered. Upon receipt of prompt notice of a warranty claim, MrPEX® Systems shall have ten (10) business days in which to determine whether it acknowledges responsibility for any asserted defects in material or workmanship and the appropriate action to be taken. This Limited Warranty and any claims arising from breach of warranty, or any other claim arising hereunder, shall be governed and construed under the laws of the State of Minnesota. No other persons than MrPEX® Systems employees have any express or implied authority to bind MrPEX® Systems to any agreement or warranty of any kind without the express written consent of MrPEX® Systems.

Disclaimer of Warranties:

MrPEX® Systems disclaims any warranty not provided herein including the implied warranty of merchantability and implied warranty of fitness for a particular purpose. It is expressly understood that MrPEX® Systems is not responsible for any consequential or other damages that may arise from using MrPEX® Systems components. Damage resulting from water freezing in the tubing does not constitute a defect in material or workmanship, and shall not be covered by this warranty. MrPEX® Systems tubing may not be stored in direct sunlight for any period longer than three weeks or this limited warranty becomes invalid. Also, exposure to direct or considerable indirect sunlight after installation voids this limited warranty. MrPEX® Systems disclaims any statutory or implied warranty of habitability. MrPEX® Systems further disclaims any responsibility for losses, expenses, inconveniences, special, indirect, secondary, incidental or consequential damages arising from ownership or use of the articles sold hereunder. There are no warranties which extend beyond the face hereof.

General Terms and Conditions

These terms and conditions apply to all MrPEX® products. All customers are subject to credit approval before shipment of product.

Price Changes

MrPEX® reserves the right to change published prices and product availability without prior notification. Our policy is a minimum notification period of 30 days, but under unusual circumstances it may become necessary to shorten this period to meet market needs.

Terms

Terms are 30 days Net or per separate agreement with individual customer.

Minimum Order Quantity

The minimum order is $300.00 net price. For orders less than $300.00 net, an order processing charge of $15.00 will be applied.

Finance Charge

A finance charge of one and one half percent (1.5%) per month will be charged on all overdue balances. This corresponds to an eighteen percent (18%) annual percentage rate (APR).

Taxes

We are required by law to charge applicable state and local taxes unless a sales tax exemption certificate has been provided.

Shipping

We will ship orders received as soon as possible. We will try to communicate regarding possible back-orders. Back-orders will be billed separately. Note that items may sometimes be shipped from separate locations. Orders will ship from closest warehouse location only when ordered products are available from there.

Freight Claims, Shortages

If material is received short or damaged, the receiver must report the claim to MrPEX® Systems. We must receive such a claim within 48 hours of the receipt of goods.

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