



uponor



PRODUCT CATALOG



PEX plumbing

Fire safety

Hydronic piping

Radiant heating and cooling

Pre-insulated piping

Table of contents

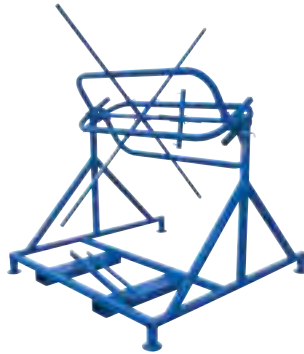
| | | | |
|---|-----------|---|------------|
| Table of contents | 1 | EP heating manifolds exploded view..... | 60 |
| Ecoflex® uncoilers..... | 2 | EP heating manifolds..... | 61 |
| Uponor Construction Services..... | 3 | EP heating manifold accessories..... | 62 |
| Integrated solutions..... | 4 | Stainless-steel manifolds exploded view..... | 66 |
| Efficient piping solutions..... | 5 | Stainless-steel manifolds..... | 67 |
| PEX plumbing systems | 7 | Stainless-steel manifold accessories..... | 68 |
| Uponor AquaPEX® tubing..... | 8 | Supply and return manifold adapters and fittings..... | 69 |
| EP multi-port tees and elbows..... | 14 | Manifold loop fitting assemblies..... | 71 |
| ProPEX® fittings..... | 17 | Copper manifolds..... | 72 |
| ProPEX adapters..... | 22 | HDPE manifolds..... | 73 |
| Valves and accessories..... | 28 | Hydronic valves and accessories..... | 74 |
| Water service..... | 32 | Climate Control Zoning System II (wireless)..... | 75 |
| Ells and boxes..... | 33 | Zoning controls (wired)..... | 76 |
| Copper manifolds..... | 34 | Snow melt controls..... | 80 |
| Tools and accessories..... | 36 | Actuator-to-manifold compatibility table..... | 81 |
| Residential fire sprinkler systems | 37 | ProPEX fittings..... | 82 |
| Uponor AquaPEX tubing..... | 38 | ProPEX adapters..... | 89 |
| Looped sprinkler adapters..... | 39 | Tubing transition fittings..... | 96 |
| Residential fire sprinklers..... | 40 | Baseboard fittings..... | 97 |
| Sprinkler cabinets..... | 41 | Heat-transfer panels and plates..... | 98 |
| Sprinkler accessories..... | 41 | Tools and accessories..... | 100 |
| ProPEX fittings..... | 43 | Pre-insulated piping systems | 101 |
| ProPEX adapters..... | 44 | Ecoflex thermal..... | 102 |
| Water service..... | 45 | Ecoflex potable..... | 104 |
| Tools and accessories..... | 46 | Pre-insulated PEX pipes..... | 107 |
| Radiant and hydronic piping systems | 47 | Fittings..... | 108 |
| Barrier tubing..... | 48 | Rubber end caps..... | 109 |
| Non-barrier tubing..... | 51 | Accessories..... | 110 |
| Manifold wall cabinets..... | 53 | Insulation kits..... | 111 |
| TruFLOW™ Classic and Jr. manifolds exploded view..... | 54 | Wall-penetration accessories..... | 113 |
| TruFLOW manifold assemblies..... | 55 | Accessory applications chart..... | 114 |
| TruFLOW Jr. modular manifolds..... | 56 | Weights and dimensions chart..... | 115 |
| TruFLOW manifold accessories..... | 57 | Tools and accessories..... | 116 |

Table of contents

| | |
|-------------------------------------|------------|
| Tube handling | 117 |
| Tube uncoilers | 117 |
| Tube cutters..... | 117 |
| Tools and accessories | 119 |
| ProPEX tools and accessories | 119 |
| Other tools | 120 |
| Tubing supports | 121 |
| Fasteners and fastener tools | 123 |

Ecoflex uncoilers

Ecoflex uncoilers are available to lease for qualified orders. Contact your Uponor representative for details.



Uponor Construction Services



Powered by
THOMAS > Enterprise Solutions™

The PEX design experts

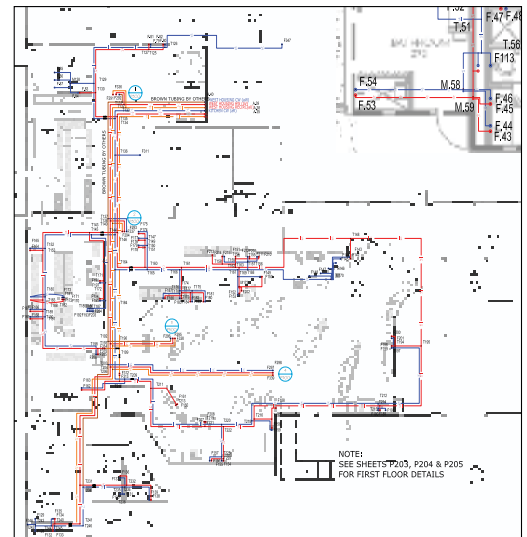
Providing the mechanical, electrical and plumbing (MEP) industry with PEX design support since 1994, Uponor Construction Services is a dedicated team of experienced design professionals and project managers trained in PEX applications for domestic water plumbing, radiant heating/cooling, hydronic piping and fire sprinkler systems for residential and commercial structures.

Uponor design advantage

- Broad suite of services from concept to construction
- Experienced staff of design professionals; industry-affiliated and certified (ASHRAE, ASPE, RPA, NICET, NFPA, AFSA, NFSA)
- Personalized project consultants for tailored support based on project phase
- Specializing in PEX take-off and design
- Optimized pipe sizing using unique properties of Uponor PEX systems
- Efficient piping layouts using Uponor Logic design concepts
- Engineering calculation package for easy approval
- Estimates with labor data

BIM/CAD models

- BIM/CAD content managed and hosted by Uponor
- On-demand BIM/CAD model generation via Navigator on uponorpro.com and uponorengineering.com
- Providing the best digital experience for discovering and selecting BIM/CAD content



Contact us today

888.594.7726

For design assistance:
design.services@uponor.com

For technical support:
technical.services@uponor.com

Bringing innovation to the industry

A global partner in intelligent plumbing and climate solutions, Uponor has proudly led the industry forward for a century.

From being a pioneer in PEX-a pipe and ProPEX F1960 fittings to leading the industry with smart water technologies, Uponor is continuing to bring innovation to commercial and residential structures worldwide.

Uponor ProPEX lead-free (LF) brass copper press adapters provide fast, consistent, reliable connections for ASTM F1960 ProPEX expansion systems to copper press systems for plumbing and hydronic piping applications.

This innovative offering allows professionals to design and install a hybrid PEX expansion to copper press system quickly, easily, safely and reliably to ensure projects stay on schedule and on budget.

- First PEX-to-copper press adapter in the industry for ASTM F1960 ProPEX expansion connections
- Faster installations compared to copper sweat transitions for greater profitability
- Eliminates hot work for safer job sites
- Reduces liability with the only PEX connection system that cannot be dry fit
- Available in 1/2" to 3" sizes; only PEX-to-copper press adapter available in 2 1/2" and 3" sizes
- Manufactured from high-quality, lead-free brass to meet potable-plumbing requirements
- Confidently backed by a 25-year transferable limited warranty for unmatched peace of mind

Our line of high-quality, code-compliant solutions bring faster, safer and more profitable installations to any application.

- Commercial plumbing
- Commercial heating and cooling
- Residential plumbing
- Residential fire sprinklers
- Water service



ProPEX LF brass copper press adapters



2 1/2" and 3" Uponor PEX pipe and ProPEX fittings

Keeping projects on schedule

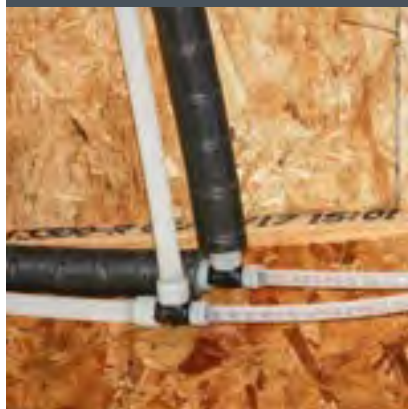
Our lightweight, flexible piping solutions make for fast and efficient installations in the most challenging applications.

Uponor's pre-insulated and pre-sleeved piping solutions easily bend around obstacles to work in spaces where rigid piping won't fit.

Best of all, our proven ProPEX connection system turns the weakest part of a piping system into the strongest.

From overhead to underground, save time and money with Uponor piping solutions — all backed by a 25-year transferable limited warranty.

Pre-insulated piping



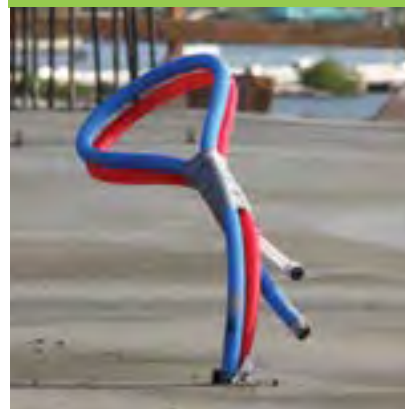
- Meets ASHRAE 90.1-2013 energy-code requirements
- Features insulation thicknesses up to 2"
- Eliminates the added step of insulation after installation
- Saves time and labor costs; keeps projects on schedule and on budget

Ecoflex® pre-insulated piping



- Flexible and lightweight
- Eliminates the need for straight or level trenches
- Provides up to 60% labor savings over rigid piping systems
- Helps support an on-time, on-budget project delivery

Pre-sleeved piping



- Provides protection during and after installation
- Fewer accessories required
- Saves valuable installation time
- Protects your investment



Avalon Bay Apartments

Alderwood, WA

Project highlights:

- Six apartment buildings
- Originally designed for CPVC
- Switched to Uponor AquaPEX plumbing system
- Installing contractor: Wolfe Plumbing

Project data:

- 145,000 ft. of Uponor AquaPEX from ½" to 2"
- ProPEX EP fittings and multiport tees
- ProPEX LF brass sweat and threaded adapters for water-main transitions
- Uponor PEX-a pipe support

To learn more about this project, visit uponorpro.com/casestudies.

PEX plumbing systems

PEX plumbing systems

Uponor AquaPEX tubing

Uponor AquaPEX tubing is used in hot and cold water distribution systems and AquaSAFE™ residential fire safety systems. Uponor AquaPEX tubing is suitable for use in hydronic heating applications where the system contains no ferrous corrodible components or where any ferrous components are isolated from the tubing. Uponor AquaPEX tubing coils and straight lengths come in red, white and blue for potable-water applications, and purple for water-reclamation applications.

Uponor AquaPEX tubing is manufactured and listed to ASTM F876 and F877 and CSA B137.5, certified to NSF Standards 14 and 61 and listed by the Hydrostatic Stress Board of PPI at 200°F at 80psi, 180°F at 100psi and 73.4°F at 160psi.

Uponor AquaPEX white coils



Uponor AquaPEX white tubing is marked with the PEX 5106 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a one-month UV-resistance level. Uponor AquaPEX white tubing (3/4", 1" and 1 1/4" only) is also listed to UL 1821 and ULC/ORD-C199P and carries an additional rating of 120°F at 130psi.

| Part no. | Part description | Coils/pallet |
|----------|---|--------------|
| F1040250 | 1/4" Uponor AquaPEX White, 100-ft. coil | 50 |
| F1090375 | 3/8" Uponor AquaPEX White, 400-ft. coil | 18 |
| F1120375 | 3/8" Uponor AquaPEX White, 1,000-ft. coil | 12 |
| F1040500 | 1/2" Uponor AquaPEX White, 100-ft. coil | 22 |
| F1060500 | 1/2" Uponor AquaPEX White, 300-ft. coil | 18 |
| F1100500 | 1/2" Uponor AquaPEX White, 500-ft. coil | 12 |
| F1120500 | 1/2" Uponor AquaPEX White, 1,000-ft. coil | 8 |
| F1040750 | 3/4" Uponor AquaPEX White, 100-ft. coil | 22 |
| F1060750 | 3/4" Uponor AquaPEX White, 300-ft. coil | 9 |
| F1100750 | 3/4" Uponor AquaPEX White, 500-ft. coil | 8 |
| F1041000 | 1" Uponor AquaPEX White, 100-ft. coil | 12 |
| F1061000 | 1" Uponor AquaPEX White, 300-ft. coil | 5 |
| F1101000 | 1" Uponor AquaPEX White, 500-ft. coil | 6 |
| F1061250 | 1 1/4" Uponor AquaPEX White, 100-ft. coil | 7 |
| F1021250 | 1 1/4" Uponor AquaPEX White, 300-ft. coil | 2 |
| F1061500 | 1 1/2" Uponor AquaPEX White, 100-ft. coil | 7 |
| F1021500 | 1 1/2" Uponor AquaPEX White, 300-ft. coil | 2 |
| F1062000 | 2" Uponor AquaPEX White, 100-ft. coil | 5 |
| F1052000 | 2" Uponor AquaPEX White, 200-ft. coil | 3 |
| F1022000 | 2" Uponor AquaPEX White, 300-ft. coil | 2 |
| F1062500 | 2 1/2" Uponor AquaPEX White, 100-ft. coil | 1 |
| F1022500 | 2 1/2" Uponor AquaPEX White, 300-ft. coil | 1 |
| F1063000 | 3" Uponor AquaPEX White, 100-ft. coil | 1 |
| F1023000 | 3" Uponor AquaPEX White, 300-ft. coil | 1 |

PEX plumbing systems

Uponor AquaPEX white tubing is marked with the PEX 5106 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a one-month UV-resistance level. Uponor AquaPEX white tubing (3/4", 1" and 1 1/4" only) is also listed to UL 1821 and ULC/ORD-C199P and carries an additional rating of 120°F at 130psi.

Uponor AquaPEX white straight lengths



| Part no. | Part description | Bags/bulk bag |
|----------|---|---------------|
| F1930500 | 1/2" Uponor AquaPEX White, 20-ft. straight length, 500 ft. (25 per bundle) | 25 |
| F1930750 | 3/4" Uponor AquaPEX White, 20-ft. straight length, 300 ft. (15 per bundle) | 20 |
| F1921000 | 1" Uponor AquaPEX White, 20-ft. straight length, 200 ft. (10 per bundle) | 15 |
| F1921250 | 1 1/4" Uponor AquaPEX White, 20-ft. straight length, 100 ft. (5 per bundle) | 20 |
| F1921500 | 1 1/2" Uponor AquaPEX White, 20-ft. straight length, 100 ft. (5 per bundle) | 20 |
| F1922000 | 2" Uponor AquaPEX White, 20-ft. straight length, 100 ft. (5 per bundle) | 10 |
| F1922500 | 2 1/2" Uponor AquaPEX White, 20-ft. straight length, 60 ft. (3 per bundle) | 8 |
| F1923000 | 3" Uponor AquaPEX White, 20-ft. straight length, 40 ft. (2 per bundle) | 10 |

Uponor AquaPEX red and blue tubing is marked with the PEX 5306 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a six-month UV-resistance level.

Uponor AquaPEX red coils



| Part no. | Part description | Coils/pallet |
|----------|---|--------------|
| F2040500 | 1/2" Uponor AquaPEX Red, 100-ft. coil | 22 |
| F2060500 | 1/2" Uponor AquaPEX Red, 300-ft. coil | 14 |
| F2120500 | 1/2" Uponor AquaPEX Red, 1,000-ft. coil | 8 |
| F2040750 | 3/4" Uponor AquaPEX Red, 100-ft. coil | 18 |
| F2060750 | 3/4" Uponor AquaPEX Red, 300-ft. coil | 7 |
| F2100750 | 3/4" Uponor AquaPEX Red, 500-ft. coil | 8 |
| F2041000 | 1" Uponor AquaPEX Red, 100-ft. coil | 12 |
| F2061000 | 1" Uponor AquaPEX Red, 300-ft. coil | 5 |
| F2101000 | 1" Uponor AquaPEX Red, 500-ft. coil | 6 |

PEX plumbing systems

Uponor AquaPEX red straight lengths



Uponor AquaPEX red and blue tubing is marked with the PEX 5306 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a six-month UV-resistance level.

| Part no. | Part description | Bags/bulk bag |
|----------|--|---------------|
| F2930500 | ½" Uponor AquaPEX Red, 20-ft. straight length, 500 ft. (25 per bundle) | 25 |
| F2930750 | ¾" Uponor AquaPEX Red, 20-ft. straight length, 300 ft. (15 per bundle) | 20 |
| F2921000 | 1" Uponor AquaPEX Red, 20-ft. straight length, 200 ft. (10 per bundle) | 15 |

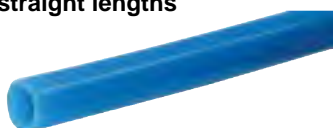
Uponor AquaPEX blue coils



Uponor AquaPEX red and blue tubing is marked with the PEX 5306 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a six-month UV-resistance level.

| Part no. | Part description | Coils/pallet |
|----------|--|--------------|
| F3040500 | ½" Uponor AquaPEX Blue, 100-ft. coil | 22 |
| F3060500 | ½" Uponor AquaPEX Blue, 300-ft. coil | 14 |
| F3120500 | ½" Uponor AquaPEX Blue, 1,000-ft. coil | 8 |
| F3040750 | ¾" Uponor AquaPEX Blue, 100-ft. coil | 18 |
| F3060750 | ¾" Uponor AquaPEX Blue, 300-ft. coil | 7 |
| F3100750 | ¾" Uponor AquaPEX Blue, 500-ft. coil | 8 |
| F3041000 | 1" Uponor AquaPEX Blue, 100-ft. coil | 12 |
| F3061000 | 1" Uponor AquaPEX Blue, 300-ft. coil | 5 |
| F3101000 | 1" Uponor AquaPEX Blue, 500-ft. coil | 6 |

Uponor AquaPEX blue straight lengths



Uponor AquaPEX red and blue tubing is marked with the PEX 5306 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a six-month UV-resistance level.

| Part no. | Part description | Bags/bulk bag |
|----------|---|---------------|
| F3930500 | ½" Uponor AquaPEX Blue, 20-ft. straight length, 500 ft. (25 per bundle) | 25 |
| F3930750 | ¾" Uponor AquaPEX Blue, 20-ft. straight length, 300 ft. (15 per bundle) | 20 |
| F3921000 | 1" Uponor AquaPEX Blue, 20-ft. straight length, 200 ft. (10 per bundle) | 15 |

PEX plumbing systems

Uponor AquaPEX reclaimed water tubing has an outer purple coating specifically designed for use in reclaimed or graywater distribution systems. Uponor AquaPEX reclaimed water tubing is available in coils and straight lengths, is manufactured and listed to ASTM F876, F877 and CSA B137.5, and is certified to NSF Standard 14 for non-potable water applications.

Uponor AquaPEX reclaimed water coils and straight lengths

| Part no. | Part description | Coils/pallet |
|----------|--|--------------|
| F1060502 | 1/2" Uponor AquaPEX Purple Reclaimed Water, 300-ft. coil | 14 |
| F1060752 | 3/4" Uponor AquaPEX Purple Reclaimed Water, 300-ft. coil | 7 |
| F1061002 | 1" Uponor AquaPEX Purple Reclaimed Water, 300-ft. coil | 5 |
| F1961002 | 1" Uponor AquaPEX Purple Reclaimed Water, 10-ft. straight length, 100 ft. (10 per bundle) | 15 |
| F1921002 | 1" Uponor AquaPEX Purple Reclaimed Water, 20-ft. straight length, 200 ft. (10 per bundle) | 10 |
| F1911256 | 1 1/4" Uponor AquaPEX Purple Reclaimed Water, 10-ft. straight length, 50 ft. (5 per bundle) | 20 |
| F1961256 | 1 1/4" Uponor AquaPEX Purple Reclaimed Water, 20-ft. straight length, 100 ft. (5 per bundle) | 20 |
| F1911506 | 1 1/2" Uponor AquaPEX Purple Reclaimed Water, 10-ft. straight length, 50 ft. (5 per bundle) | 20 |
| F1961502 | 1 1/2" Uponor AquaPEX Purple Reclaimed Water, 20-ft. straight length, 100 ft. (5 per bundle) | 20 |
| F1912006 | 2" Uponor AquaPEX Purple Reclaimed Water, 10-ft. straight length, 50 ft. (5 per bundle) | 10 |
| F1962002 | 2" Uponor AquaPEX Purple Reclaimed Water, 20-ft. straight length, 100 ft. (5 per bundle) | 10 |



PEX plumbing systems

Pre-insulated Uponor AquaPEX coils



Uponor's pre-insulated PEX pipe offering complies with ASHRAE 90.1-2013 and the 2012 International Energy Conservation Code (IECC). The pipe is available in ½" to 2" configurations with ½", 1" and 1½" insulation that features manufactured sealed seams that run the entire length of the coil. Check with local code authorities regarding energy-code requirements for specific applications.

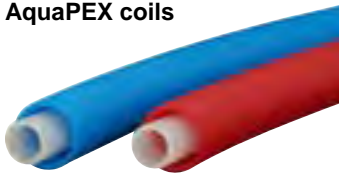
| Part no. | Part description | Coils/pallet |
|----------|---|--------------|
| F6040500 | ½" Pre-insulated Uponor AquaPEX with ½" insulation, 100-ft. coil | 3 |
| F6150500 | ½" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil | 2 |
| F6040750 | ¾" Pre-insulated Uponor AquaPEX with ½" insulation, 100-ft. coil | 3 |
| F6150750 | ¾" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil | 2 |
| F6041000 | 1" Pre-insulated Uponor AquaPEX with ½" insulation, 100-ft. coil | 5 |
| F6151000 | 1" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil | 2 |
| F6041250 | 1¼" Pre-insulated Uponor AquaPEX with ½" insulation, 100-ft. coil | 5 |
| F6151250 | 1¼" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil | 2 |
| F6161500 | 1½" Pre-insulated Uponor AquaPEX with 1½" insulation, 75-ft. coil | 2 |
| F6162000 | 2" Pre-insulated Uponor AquaPEX with 1½" insulation, 75-ft. coil | 2 |

Pre-insulated Uponor AquaPEX straight lengths



| Part no. | Part description | Bags/bulk bag |
|----------|--|---------------|
| F6921250 | 1¼" Pre-insulated Uponor AquaPEX with ½" insulation, 20-ft. straight length, 100 ft. | 4 |
| F6921500 | 1½" Pre-insulated Uponor AquaPEX with ½" insulation, 20-ft. straight length, 100 ft. | 4 |
| F6922000 | 2" Pre-insulated Uponor AquaPEX with ½" insulation, 20-ft. straight length, 100 ft. | 4 |

Pre-sleeved Uponor AquaPEX coils



Pre-sleeved Uponor AquaPEX tubing is used in hot and cold potable-water distribution systems. The high density polyethylene (HDPE) corrugated sleeve provides protection for installations in concrete slabs or soil, and allows for removal and replacement of the PEX tubing, if required.

| Part no. | Part description | Coils/pallet |
|----------|---|--------------|
| F1091500 | ½" Pre-sleeved Uponor AquaPEX Blue Sleeve, 400-ft. coil | 4 |
| F1092500 | ½" Pre-sleeved Uponor AquaPEX Red Sleeve, 400-ft. coil | 4 |
| F1091750 | ¾" Pre-Sleeved Uponor AquaPEX Blue Sleeve, 400-ft. coil | 3 |
| F1092750 | ¾" Pre-Sleeved Uponor AquaPEX Red Sleeve, 400-ft. coil | 3 |

⚠ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

PEX plumbing systems

HDPE corrugated sleeves are used in hot and cold potable-water distribution systems, primarily in commercial applications where the potable tubing is installed in the slab. Designed for use with ½" and ¾" Uponor AquaPEX tubing, the sleeves provide protection during installation and allow for removal and replacement of the PEX tubing, if required.

| Part no. | Part description | Coils/pallet |
|----------|---|--------------|
| F1035400 | ½" HDPE Corrugated Sleeve, Red, 400-ft. coil | 4 |
| F1055400 | ½" HDPE Corrugated Sleeve, Blue, 400-ft. coil | 4 |
| F1037400 | ¾" HDPE Corrugated Sleeve, Red, 400 ft. | 4 |
| F1057400 | ¾" HDPE Corrugated Sleeve, Blue, 400 ft. | 4 |

HDPE corrugated sleeves



ProPEX rings are required to make ProPEX connections. The ½" through 3" rings include a leading-edge chamfer and integral stop edge to further simplify the use of ProPEX fittings.

| Part no. | Part description | Pkg. qty. |
|----------|----------------------------|-----------|
| Q4690302 | ProPEX Ring, ⅜" | 50 |
| Q4690512 | ProPEX Ring with Stop, ½" | 50 |
| Q4690756 | ProPEX Ring with Stop, ¾" | 50 |
| Q4691000 | ProPEX Ring with Stop, 1" | 50 |
| Q4691250 | ProPEX Ring with Stop, 1¼" | 10 |
| Q4691500 | ProPEX Ring with Stop, 1½" | 5 |
| Q4692000 | ProPEX Ring with Stop, 2" | 10 |
| Q4692500 | ProPEX Ring with Stop, 2½" | 5 |
| Q4693000 | ProPEX Ring with Stop, 3" | 5 |

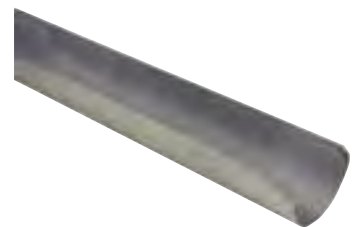
ProPEX rings



PEX-a pipe supports are made of 23-gauge, galvanized steel and are available in ½" to 3½" sizes for suspended commercial plumbing and hydronic piping applications, enabling extended support spacing. Each package quantity contains 15 support straps (i.e., three support straps per 9-ft. length).

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| F7040500 | ½" PEX-a Pipe Support, 9-ft. length | 5 |
| F7040750 | ¾" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041000 | 1" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041250 | 1¼" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041500 | 1½" PEX-a Pipe Support, 9-ft. length | 5 |
| F7042000 | 2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7042500 | 2½" PEX-a Pipe Support, 9-ft. length | 5 |
| F7043000 | 3" PEX-a Pipe Support, 9-ft. length | 5 |
| F7043500 | 3½" PEX-a Pipe Support, 9-ft. length | 5 |
| Q7410510 | PEX-a Pipe Support Strapping for ½", ¾" and 1" PEX | 100 |
| Q7411220 | PEX-a Pipe Support Strapping for 1¼", 1½" and 2" PEX | 100 |
| Q7412540 | PEX-a Pipe Support Strapping for 2½", 3" and 3½" PEX | 100 |

PEX-a pipe supports



PEX plumbing systems

EP multi-port tees and elbows

EP branch multi-port tees



EP branch multi-port tees feature $\frac{3}{4}$ " or 1" ProPEX inlets with $\frac{1}{2}$ " ProPEX branch outlets. The tees are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q2237550 | $\frac{3}{4}$ " EP Branch Multi-port Tee, 3 outlets | 10 |
| Q2247550 | $\frac{3}{4}$ " EP Branch Multi-port Tee, 4 outlets | 10 |
| Q2241050 | 1" EP Branch Multi-port Tee, 4 outlets | 10 |
| Q2267550 | $\frac{3}{4}$ " EP Branch Multi-port Tee, 6 outlets | 10 |
| Q2261050 | 1" EP Branch Multi-port Tee, 6 outlets | 10 |

EP flow-through multi-port tees



EP flow-through multi-port tees feature $\frac{3}{4}$ " or 1" ProPEX inlets with $\frac{1}{2}$ " ProPEX branch outlets. The tees are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q2227557 | EP Flow-through Multi-port Tee, 2 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |
| Q2237557 | EP Flow-through Multi-port Tee, 3 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |
| Q2231057 | EP Flow-through Multi-port Tee, 3 outlets, 1" x $\frac{3}{4}$ " ProPEX | 10 |
| Q2247557 | EP Flow-through Multi-port Tee, 4 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |
| Q2241057 | EP Flow-through Multi-port Tee, 4 outlets, 1" x $\frac{3}{4}$ " ProPEX | 10 |
| Q2241051 | EP Flow-through Multi-port Tee, 4 outlets, 1" x 1" ProPEX | 10 |
| Q2267557 | EP Flow-through Multi-port Tee, 6 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |
| Q2261057 | EP Flow-through Multi-port Tee, 6 outlets, 1" x $\frac{3}{4}$ " ProPEX | 10 |
| Q2261051 | EP Flow-through Multi-port Tee, 6 outlets, 1" x 1" ProPEX | 10 |

EP flow-through opposing-port multi-port tees



EP flow-through opposing-port multi-port tees feature $\frac{3}{4}$ " ProPEX inlets with opposing $\frac{1}{2}$ " ProPEX branch outlets. These are designed for a central location to facilitate piping in two directions. The tees are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q2337557 | EP Flow-through Opposing-port Multi-port Tee, 3 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |
| Q2347557 | EP Flow-through Opposing-port Multi-port Tee, 4 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |
| Q2367557 | EP Flow-through Opposing-port Multi-port Tee, 6 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |

PEX plumbing systems

EP branch opposing-port multi-port tees feature $\frac{3}{4}$ " ProPEX inlets with opposing $\frac{1}{2}$ " ProPEX branch outlets. These are designed for a central location to facilitate piping in two directions. The tees are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q2337550 | $\frac{3}{4}$ " EP Branch Opposing-port Multi-port Tee, 3 outlets | 10 |
| Q2347550 | $\frac{3}{4}$ " EP Branch Opposing-port Multi-port Tee, 4 outlets | 10 |
| Q2387550 | $\frac{3}{4}$ " EP Branch Opposing-port Multi-port Tee, 8 outlets | 10 |

EP branch opposing-port multi-port tees



EP flow-through multi-port vertical tees feature an integrated vertical $\frac{3}{4}$ " ProPEX tee with $\frac{1}{2}$ " ProPEX branch outlets. The tees are designed for demanding slab-on-grade plumbing applications, and eliminate the need for multiple connections. The tees are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q2237757 | EP Flow-through Multi-port Vertical Tee, 3 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |
| Q2247757 | EP Flow-through Multi-port Vertical Tee, 4 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |

EP flow-through multi-port vertical tees



EP flow-through multi-port horizontal tees feature an integrated horizontal $\frac{3}{4}$ " ProPEX tee with $\frac{1}{2}$ " ProPEX branch outlets. The tees are designed for demanding slab-on-grade plumbing applications, and eliminate the need for multiple connections. The tees are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q2247577 | EP Flow-through Multi-port Horizontal Tee, 4 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |

EP flow-through multi-port horizontal tees



EP flow-through multi-port elbows feature an integrated $\frac{3}{4}$ " ProPEX elbow with $\frac{1}{2}$ " ProPEX branch outlets. The elbows are designed for demanding slab-on-grade plumbing applications, and eliminate the need for multiple connections. The elbows are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q2235577 | EP Flow-through Multi-port Elbow, 3 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |
| Q2245577 | EP Flow-through Multi-port Elbow, 4 outlets, $\frac{3}{4}$ " x $\frac{3}{4}$ " ProPEX | 10 |

EP flow-through multi-port elbows



PEX plumbing systems

Commercial EP branch multi-port elbows



Commercial EP branch multi-port elbows feature an integrated $\frac{3}{4}$ " or 1" ProPEX elbow inlet with $\frac{1}{2}$ " ProPEX branch outlets and mounting clips. The elbows are designed for commercial plumbing applications, and eliminate the need for multiple connections. The elbows are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q2077550 | $\frac{3}{4}$ " EP Branch Multi-port Elbow, 7 outlets with mounting clips | 1 |
| Q2087550 | $\frac{3}{4}$ " EP Branch Multi-port Elbow, 8 outlets with mounting clips | 1 |
| Q2101000 | 1" EP Branch Multi-port Elbow, 10 outlets with mounting clips | 1 |

Commercial EP branch multi-port tees



Commercial EP branch multi-port tees feature an integrated $\frac{3}{4}$ " or 1" ProPEX inlet with $\frac{1}{2}$ " ProPEX branch outlets, or a $1\frac{1}{4}$ " ProPEX inlet with $\frac{3}{4}$ " ProPEX branch outlets. Designed for commercial plumbing applications, they eliminate the need for multiple connections. The tees are made of EP, which is proven in demanding hot-water applications. The $\frac{3}{4}$ " and 1" tees come with mounting clips and screws.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q2231375 | $1\frac{1}{4}$ " EP Branch Multi-port Tee, 3 ($\frac{3}{4}$ ") outlets | 1 |
| Q2277550 | $\frac{3}{4}$ " EP Branch Multi-port Tee, 7 outlets with mounting clips | 1 |
| Q2287550 | $\frac{3}{4}$ " EP Branch Multi-port Tee, 8 outlets with mounting clips | 1 |
| Q2271051 | 1" EP Branch Multi-port Tee, 7 outlets with mounting clips | 1 |
| Q2281051 | 1" EP Branch Multi-port Tee, 8 outlets with mounting clips | 1 |
| Q2101051 | 1" EP Branch Multi-port Tee, 10 outlets with mounting clips | 1 |
| Q2121051 | 1" EP Branch Multi-port Tee, 12 outlets with mounting clips | 1 |

Commercial EP flow-through multi-port tees



Commercial EP flow-through multi-port tees feature $1\frac{1}{4}$ " or 2" ProPEX inlets with $\frac{3}{4}$ " or 1" ProPEX branch outlets. The tees are designed for commercial plumbing applications, and eliminate the need for multiple connections. The tees are made of EP, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q2231373 | EP Flow-through Multi-port Tee, 3 ($\frac{3}{4}$ ") outlets, $1\frac{1}{4}$ " x $1\frac{1}{4}$ " ProPEX | 1 |
| Q2232102 | EP Flow-through Multi-port Tee, 3 (1") outlets, 2" x 2" ProPEX | 1 |

ProPEX fittings

ProPEX EP and LF brass couplings make PEX-to-PEX connections.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-------------|---|-----------|
| Q4773838 | ProPEX EP Coupling, 3/8" PEX x 3/8" PEX | 25 |
| LF4543850 | ProPEX LF Brass Coupling, 3/8" PEX x 1/2" PEX | 25 |
| Q4775050 | ProPEX EP Coupling, 1/2" PEX x 1/2" PEX | 25 |
| ◀ LF4545050 | ProPEX LF Brass Coupling, 1/2" PEX x 1/2" PEX | 25 |
| Q4775075 | ProPEX EP Coupling, 1/2" PEX x 3/4" PEX | 25 |
| ◀ LF4545075 | ProPEX LF Brass Coupling, 1/2" PEX x 3/4" PEX | 25 |
| Q4777575 | ProPEX EP Coupling, 3/4" PEX x 3/4" PEX | 25 |
| ◀ LF4547575 | ProPEX LF Brass Coupling, 3/4" PEX x 3/4" PEX | 25 |
| Q4777510 | ProPEX EP Coupling, 3/4" PEX x 1" PEX | 25 |
| ◀ LF4547510 | ProPEX LF Brass Coupling, 3/4" PEX x 1" PEX | 10 |
| Q4771010 | ProPEX EP Coupling, 1" PEX x 1" PEX | 10 |
| ◀ LF4541010 | ProPEX LF Brass Coupling, 1" PEX x 1" PEX | 10 |
| Q4771307 | ProPEX EP Coupling, 1 1/4" PEX x 3/4" PEX | 1 |
| Q4771310 | ProPEX EP Coupling, 1 1/4" PEX x 1" PEX | 1 |
| Q4771313 | ProPEX EP Coupling, 1 1/4" PEX x 1 1/4" PEX | 1 |
| Q4771507 | ProPEX EP Coupling, 1 1/2" PEX x 3/4" PEX | 1 |
| Q4771510 | ProPEX EP Coupling, 1 1/2" PEX x 1" PEX | 1 |
| Q4771513 | ProPEX EP Coupling, 1 1/2" PEX x 1 1/4" PEX | 1 |
| Q4771515 | ProPEX EP Coupling, 1 1/2" PEX x 1 1/2" PEX | 1 |
| Q4772015 | ProPEX EP Coupling, 2" PEX x 1 1/2" PEX | 1 |
| Q4772020 | ProPEX EP Coupling, 2" PEX x 2" PEX | 1 |
| Q4772513 | ProPEX EP Coupling, 2 1/2" PEX x 1 1/4" PEX | 1 |
| Q4772515 | ProPEX EP Coupling, 2 1/2" PEX x 1 1/2" PEX | 1 |
| Q4772520 | ProPEX EP Coupling, 2 1/2" PEX x 2" PEX | 1 |
| Q4772525 | ProPEX EP Coupling, 2 1/2" PEX x 2 1/2" PEX | 1 |
| Q4773020 | ProPEX EP Coupling, 3" PEX x 2" PEX | 1 |
| Q4773025 | ProPEX EP Coupling, 3" PEX x 2 1/2" PEX | 1 |
| Q4773030 | ProPEX EP Coupling, 3" PEX x 3" PEX | 1 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on **pages 127-153** for a listing of alternative part numbers.

ProPEX couplings



PEX plumbing systems

ProPEX elbows

ProPEX EP and LF brass elbows make 90- or 45-degree connections for directional changes in an Uponor AquaPEX system.

Note: ProPEX tool is required. ProPEX rings sold separately.



| Part no. | Part description | Pkg. qty. |
|-------------|---|-----------|
| Q4760500 | ProPEX EP Elbow, 1/2" PEX x 1/2" PEX | 25 |
| LF4710500 | ProPEX LF Brass Elbow, 1/2" PEX x 1/2" PEX | 25 |
| Q4760750 | ProPEX EP Elbow, 3/4" PEX x 3/4" PEX | 25 |
| LF4710750 | ProPEX LF Brass Elbow, 3/4" PEX x 3/4" PEX | 25 |
| Q4761000 | ProPEX EP Elbow, 1" PEX x 1" PEX | 10 |
| ◀ LF4711000 | ProPEX LF Brass Elbow, 1" PEX x 1" PEX | 10 |
| Q4761250 | ProPEX EP Elbow, 1 1/4" PEX x 1 1/4" PEX | 1 |
| Q4761500 | ProPEX EP Elbow, 1 1/2" PEX x 1 1/2" PEX | 1 |
| Q4761515 | ProPEX EP 45 Elbow, 1 1/2" PEX x 1 1/2" PEX | 1 |
| Q4762000 | ProPEX EP Elbow, 2" PEX x 2" PEX | 1 |
| Q4762020 | ProPEX EP 45 Elbow, 2" PEX x 2" PEX | 1 |
| Q4762500 | ProPEX EP Elbow, 2 1/2" PEX x 2 1/2" PEX | 1 |
| Q4762525 | ProPEX EP 45 Elbow, 2 1/2" PEX x 2 1/2" PEX | 1 |
| Q4763000 | ProPEX EP Elbow, 3" PEX x 3" PEX | 1 |
| Q4763030 | ProPEX EP 45 Elbow, 3" PEX x 3" PEX | 1 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

PEX plumbing systems

ProPEX EP and LF brass tees make diverting connections for Uponor PEX tubing in supply and return mains. Branch size is listed last in the part description.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| Q4755050 | ProPEX EP Tee, 1/2" PEX x 1/2" PEX x 1/2" PEX | 25 |
| LF4705050 | ProPEX LF Brass Tee, 1/2" PEX x 1/2" PEX x 1/2" PEX | 25 |
| Q4757575 | ProPEX EP Tee, 3/4" PEX x 3/4" PEX x 3/4" PEX | 25 |
| LF4707575 | ProPEX LF Brass Tee, 3/4" PEX x 3/4" PEX x 3/4" PEX | 25 |
| Q4751010 | ProPEX EP Tee, 1" PEX x 1" PEX x 1" PEX | 10 |
| LF4701010 | ProPEX LF Brass Tee, 1" PEX x 1" PEX x 1" PEX | 10 |
| Q4751313 | ProPEX EP Tee, 1 1/4" PEX x 1 1/4" PEX x 1 1/4" PEX | 1 |
| Q4751515 | ProPEX EP Tee, 1 1/2" PEX x 1 1/2" PEX x 1 1/2" PEX | 1 |
| Q4752000 | ProPEX EP Tee, 2" PEX x 2" PEX x 2" PEX | 1 |
| Q4752500 | ProPEX EP Tee, 2 1/2" PEX x 2 1/2" PEX x 2 1/2" PEX | 1 |
| Q4753000 | ProPEX EP Tee, 3" PEX x 3" PEX x 3" PEX | 1 |

ProPEX tees



ProPEX EP and LF brass reducing tees make diverting connections for Uponor PEX tubing in supply and return mains. Branch size is listed last in the part description.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| Q4755575 | ProPEX EP Reducing Tee, 1/2" PEX x 1/2" PEX x 3/4" PEX | 25 |
| Q4757555 | ProPEX EP Reducing Tee, 3/4" PEX x 1/2" PEX x 1/2" PEX | 25 |
| Q4757557 | ProPEX EP Reducing Tee, 3/4" PEX x 1/2" PEX x 3/4" PEX | 25 |
| Q4757550 | ProPEX EP Reducing Tee, 3/4" PEX x 3/4" PEX x 1/2" PEX | 25 |
| LF4707550 | ProPEX LF Brass Reducing Tee, 3/4" PEX x 3/4" PEX x 1/2" PEX | 25 |
| Q4757710 | ProPEX EP Reducing Tee, 3/4" PEX x 3/4" PEX x 1" PEX | 10 |
| LF4707710 | ProPEX LF Brass Reducing Tee, 3/4" PEX x 3/4" PEX x 1" PEX | 10 |
| Q4751501 | ProPEX EP Reducing Tee, 1" PEX x 1/2" PEX x 1" PEX | 10 |
| Q4751750 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 1/2" PEX | 10 |
| Q4751775 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 3/4" PEX | 10 |
| LF4701775 | ProPEX LF Brass Reducing Tee, 1" PEX x 3/4" PEX x 3/4" PEX | 10 |

ProPEX reducing tees



◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

PEX plumbing systems

ProPEX reducing tees



| Part no. | Part description | Pkg. qty. |
|-------------|--|-----------|
| Q4751751 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 1" PEX | 10 |
| ◀ LF4701751 | ProPEX LF Brass Reducing Tee, 1" PEX x 3/4" PEX x 1" PEX | 10 |
| Q4751753 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 1 1/4" PEX | 1 |
| Q4751113 | ProPEX EP Reducing Tee, 1" PEX x 1" PEX x 1 1/4" PEX | 1 |
| Q4751150 | ProPEX EP Reducing Tee, 1" PEX x 1" PEX x 1/2" PEX | 10 |
| ◀ LF4701150 | ProPEX LF Brass Reducing Tee, 1" PEX x 1" PEX x 1/2" PEX | 10 |
| Q4751175 | ProPEX EP Reducing Tee, 1" PEX x 1" PEX x 3/4" PEX | 10 |
| ◀ LF4701175 | ProPEX LF Brass Reducing Tee, 1" PEX x 1" PEX x 3/4" PEX | 10 |
| Q4751377 | ProPEX EP Reducing Tee, 1 1/4" PEX x 3/4" PEX x 3/4" PEX | 1 |
| Q4751371 | ProPEX EP Reducing Tee, 1 1/4" PEX x 3/4" PEX x 1" PEX | 1 |
| Q4751373 | ProPEX EP Reducing Tee, 1 1/4" PEX x 3/4" PEX x 1 1/4" PEX | 1 |
| Q4751317 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1" PEX x 3/4" PEX | 1 |
| Q4751311 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1" PEX x 1" PEX | 1 |
| Q4751350 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 1/2" PEX | 1 |
| Q4751337 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 3/4" PEX | 1 |
| Q4751331 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 1" PEX | 1 |
| Q4751577 | ProPEX EP Reducing Tee, 1 1/2" PEX x 3/4" PEX x 3/4" PEX | 1 |
| Q4751575 | ProPEX EP Reducing Tee, 1 1/2" PEX x 3/4" PEX x 1 1/2" PEX | 1 |
| Q4751517 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1" PEX x 3/4" PEX | 1 |
| Q4751511 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1" PEX x 1" PEX | 1 |
| Q4751505 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1" PEX x 1 1/2" PEX | 1 |
| Q4751537 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/4" PEX x 3/4" PEX | 1 |
| Q4751531 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/4" PEX x 1" PEX | 1 |
| Q4751533 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/4" PEX x 1 1/4" PEX | 1 |
| Q4751550 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/2" PEX x 1 1/2" PEX | 1 |
| Q4751557 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/2" PEX x 3/4" PEX | 1 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

PEX plumbing systems

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4751551 | ProPEX EP Reducing Tee, 1½" PEX x 1½" PEX x 1" PEX | 1 |
| Q4751553 | ProPEX EP Reducing Tee, 1½" PEX x 1½" PEX x 1¼" PEX | 1 |
| Q4752110 | ProPEX EP Reducing Tee, 2" PEX x 1" PEX x 1" PEX | 1 |
| Q4752575 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x ¾" PEX | 1 |
| Q4752051 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1" PEX | 1 |
| Q4752053 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1¼" PEX | 1 |
| Q4752055 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1½" PEX | 1 |
| Q4752152 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 2" PEX | 1 |
| Q4752250 | ProPEX EP Reducing Tee, 2" PEX x 2" PEX x ½" PEX | 1 |
| Q4752275 | ProPEX EP Reducing Tee, 2" PEX x 2" PEX x ¾" PEX | 1 |
| Q4752210 | ProPEX EP Reducing Tee, 2" PEX x 2" PEX x 1" PEX | 1 |
| Q4752213 | ProPEX EP Reducing Tee, 2" x 2" x 1¼" | 1 |
| Q4752215 | ProPEX EP Reducing Tee, 2" PEX x 2" PEX x 1½" PEX | 1 |
| Q4752525 | ProPEX EP Reducing Tee, 2½" PEX x 2" PEX x 1½" PEX | 1 |
| Q4752522 | ProPEX EP Reducing Tee, 2½" PEX x 2" PEX x 2" PEX | 1 |
| Q4752557 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x ¾" PEX | 1 |
| Q4752510 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x 1" PEX | 1 |
| Q4752513 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x 1¼" PEX | 1 |
| Q4752515 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x 1½" PEX | 1 |
| Q4752520 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x 2" PEX | 1 |
| Q4753220 | ProPEX EP Reducing Tee, 3" PEX x 2" PEX x 2" PEX | 1 |
| Q4753215 | ProPEX EP Reducing Tee, 3" PEX x 2½" PEX x 1½" PEX | 1 |
| Q4753252 | ProPEX EP Reducing Tee, 3" PEX x 2½" PEX x 2" PEX | 1 |
| Q4753375 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x ¾" PEX | 1 |
| Q4753310 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 1" PEX | 1 |

ProPEX reducing tees



PEX plumbing systems

ProPEX reducing tees



| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4753313 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 1¼" PEX | 1 |
| Q4753315 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 1½" PEX | 1 |
| Q4753320 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 2" PEX | 1 |
| Q4753325 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 2½" PEX | 1 |

ProPEX EP plugs



ProPEX EP plugs permanently or temporarily terminate the end of Uponor PEX tubing.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|----------------------------|-----------|
| Q4350500 | ProPEX EP Plug for ½" PEX | 25 |
| Q4350750 | ProPEX EP Plug for ¾" PEX | 25 |
| Q4351000 | ProPEX EP Plug for 1" PEX | 10 |
| Q4351250 | ProPEX EP Plug for 1¼" PEX | 1 |
| Q4351500 | ProPEX EP Plug for 1½" PEX | 1 |
| Q4352000 | ProPEX EP Plug for 2" PEX | 1 |

ProPEX adapters

ProPEX EP swivel closet adapters



ProPEX EP swivel closet adapters (with plastic nut) connect ½" Uponor AquaPEX tubing to a water closet.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4340500 | ProPEX EP Swivel Closet Adapter, ½" PEX x ⅞" Ballcock | 25 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

PEX plumbing systems

ProPEX EP and LF brass swivel faucet adapters connect 1/2" Uponor AquaPEX tubing to male NPSM faucet connections.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4360500 | ProPEX EP Swivel Faucet Adapter, 1/2" PEX x 1/2" NPSM | 25 |

ProPEX swivel faucet adapters



ProPEX LF brass to polyethylene (PE) couplings transition black PE tubing (per ASTM D2737) to Uponor AquaPEX tubing. Product does not include hose clamps for the PE side of the coupling.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4591010 | ProPEX LF Brass to PE Coupling, 1" PEX x 1" PE | 10 |

ProPEX LF brass to polyethylene (PE) couplings



ProPEX LF brass to polybutylene (PB) couplings transition PB tubing to Uponor AquaPEX tubing. Product does not include the crimp ring for the PB side of the coupling.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4585050 | ProPEX LF Brass to PB Coupling, 1/2" PEX x 1/2" PB | 25 |
| LF4587575 | ProPEX LF Brass to PB Coupling, 3/4" PEX x 3/4" PB | 25 |

ProPEX LF brass to polybutylene (PB) couplings



ProPEX LF brass copper tube size (CTS) groove fitting adapters provide a direct connection to groove connections designed to meet CSA B242-05. These fittings are CTS on the groove connection side.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|---|-----------|
| LFV2962020 | ProPEX LF Groove Fitting Adapter, 2" PEX LF Brass x 2" CTS Groove | 1 |
| LFV2962025 | ProPEX LF Groove Fitting Adapter, 2" PEX LF Brass x 2 1/2" CTS Groove | 1 |
| LFV2962525 | ProPEX LF Groove Fitting Adapter, 2 1/2" PEX LF Brass x 2 1/2" CTS Groove | 1 |
| LFV2963030 | ProPEX LF Groove Fitting Adapter, 3" PEX LF Brass x 3" CTS Groove | 1 |

ProPEX LF brass CTS groove fitting adapters



PEX plumbing systems

ProPEX LF brass IPS groove fitting adapters

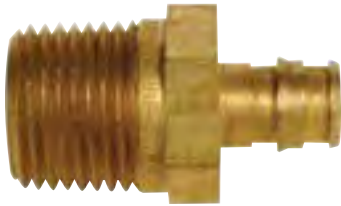


ProPEX LF brass iron pipe size (IPS) groove fitting adapters provide a direct connection to groove connections designed to meet CSA B242-05. These fittings are IPS on the groove connection side.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|---|-----------|
| LFV2972020 | ProPEX LF Groove Fitting Adapter, 2" PEX LF Brass x 2" IPS Groove | 1 |
| LFV2972025 | ProPEX LF Groove Fitting Adapter, 2" PEX LF Brass x 2½" IPS Groove | 1 |
| LFV2972520 | ProPEX LF Groove Fitting Adapter, 2½" PEX LF Brass x 2" IPS Groove | 1 |
| LFV2972525 | ProPEX LF Groove Fitting Adapter, 2½" PEX LF Brass x 2½" IPS Groove | 1 |
| LFV2972530 | ProPEX LF Groove Fitting Adapter, 2½" PEX LF Brass x 3" IPS Groove | 1 |
| LFV2973025 | ProPEX LF Groove Fitting Adapter, 3" PEX LF Brass x 2½" IPS Groove | 1 |
| LFV2973030 | ProPEX LF Groove Fitting Adapter, 3" PEX LF Brass x 3" IPS Groove | 1 |

ProPEX LF brass male threaded adapters



ProPEX LF brass male threaded adapters connect Uponor AquaPEX tubing to male NPT threads and are intended as transition fittings from metal to PEX.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4523850 | ProPEX LF Brass Male Threaded Adapter, ⅜" PEX x ½" NPT | 25 |
| LF4525050 | ProPEX LF Brass Male Threaded Adapter, ½" PEX x ½" NPT | 25 |
| LF4525075 | ProPEX LF Brass Male Threaded Adapter, ½" PEX x ¾" NPT | 25 |
| LF4527575 | ProPEX LF Brass Male Threaded Adapter, ¾" PEX x ¾" NPT | 25 |
| LF4527510 | ProPEX LF Brass Male Threaded Adapter, ¾" PEX x 1" NPT | 10 |
| LF4521075 | ProPEX LF Brass Male Threaded Adapter, 1" PEX x ¾" NPT | 10 |
| LF4521010 | ProPEX LF Brass Male Threaded Adapter, 1" PEX x 1" NPT | 10 |
| LF4521313 | ProPEX LF Brass Male Threaded Adapter, 1¼" PEX x 1¼" NPT | 1 |
| LF4521515 | ProPEX LF Brass Male Threaded Adapter, 1½" PEX x 1½" NPT | 1 |
| LF4522020 | ProPEX LF Brass Male Threaded Adapter, 2" PEX x 2" NPT | 1 |
| LF4522525 | ProPEX LF Brass Male Threaded Adapter, 2½" PEX x 2½" NPT | 1 |
| LF4523030 | ProPEX LF Brass Male Threaded Adapter, 3" PEX x 3" NPT | 1 |

ProPEX stainless-steel male threaded adapters



ProPEX stainless-steel male threaded adapters transition Uponor AquaPEX tubing to reverse-osmosis units. Due to the aggressive nature of conditioned water produced by reverse osmosis, de-ionization and distillation, ProPEX stainless-steel fittings are manufactured from 316 stainless steel, and fully comply with CSA B137.5.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q8525050 | ProPEX Stainless-steel Male Threaded Adapter, ½" PEX x ½" NPT | 25 |
| Q8527575 | ProPEX Stainless-steel Male Threaded Adapter, ¾" PEX x ¾" NPT | 25 |
| Q8521010 | ProPEX Stainless-steel Male Threaded Adapter, 1" PEX x 1" NPT | 10 |

PEX plumbing systems

ProPEX LF brass female threaded adapters connect Uponor PEX tubing to female NPT threads and are intended as transition fittings from metal to PEX.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4575050 | ProPEX LF Brass Female Threaded Adapter, 1/2" PEX x 1/2" NPT | 25 |
| LF4575075 | ProPEX LF Brass Female Threaded Adapter, 1/2" PEX x 3/4" NPT | 25 |
| LF4577575 | ProPEX LF Brass Female Threaded Adapter, 3/4" PEX x 3/4" NPT | 25 |
| LF4577510 | ProPEX LF Brass Female Threaded Adapter, 3/4" PEX x 1" NPT | 10 |
| LF4571010 | ProPEX LF Brass Female Threaded Adapter, 1" PEX x 1" NPT | 10 |
| LF4571313 | ProPEX LF Brass Female Threaded Adapter, 1 1/4" PEX x 1 1/4" NPT | 1 |
| LF4571515 | ProPEX LF Brass Female Threaded Adapter, 1 1/2" PEX x 1 1/2" NPT | 1 |
| LF4572020 | ProPEX LF Brass Female Threaded Adapter, 2" PEX x 2" NPT | 1 |

ProPEX LF brass female threaded adapters



ProPEX LF brass sweat adapters transition Uponor AquaPEX tubing to copper pipe.

Note: ProPEX tool is required. ProPEX rings sold separately.

Note: Do not press these adapters. For copper press applications, see **page 26** for ProPEX LF brass copper press adapters.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF4513850 | ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper | 25 |
| LF4515050 | ProPEX LF Brass Sweat Adapter, 1/2" PEX x 1/2" Copper | 25 |
| LF4515075 | ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper | 25 |
| LF4517550 | ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1/2" Copper | 25 |
| LF4517575 | ProPEX LF Brass Sweat Adapter, 3/4" PEX x 3/4" Copper | 25 |
| LF4517510 | ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1" Copper | 10 |
| LF4511010 | ProPEX LF Brass Sweat Adapter, 1" PEX x 1" Copper | 10 |
| LF4511313 | ProPEX LF Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |
| LF4511515 | ProPEX LF Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper | 1 |
| LF4512020 | ProPEX LF Brass Sweat Adapter, 2" PEX x 2" Copper | 1 |
| LF4512525 | ProPEX LF Brass Sweat Adapter, 2 1/2" PEX x 2 1/2" Copper | 1 |
| LF4513030 | ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper | 1 |

ProPEX LF brass sweat adapters



PEX plumbing systems

ProPEX LF brass sweat fitting adapters



ProPEX LF brass sweat fitting adapters transition Uponor PEX tubing to copper fittings. These fittings are not intended to be used as a direct copper press to ProPEX adapter.

Note: ProPEX tool is required. ProPEX rings sold separately.

Note: Do not press these adapters. For copper press applications, see **page 26** for ProPEX LF brass copper press adapters.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF4505050 | ProPEX LF Brass Sweat Fitting Adapter, 1/2" PEX x 1/2" Copper | 25 |
| LF4505075 | ProPEX LF Brass Sweat Fitting Adapter, 1/2" PEX x 3/4" Copper | 25 |
| LF4507550 | ProPEX LF Brass Sweat Fitting Adapter, 3/4" PEX x 1/2" Copper | 25 |
| LF4507575 | ProPEX LF Brass Sweat Fitting Adapter, 3/4" PEX x 3/4" Copper | 25 |
| LF4507510 | ProPEX LF Brass Sweat Fitting Adapter, 3/4" PEX x 1" Copper | 10 |
| LF4501010 | ProPEX LF Brass Sweat Fitting Adapter, 1" PEX x 1" Copper | 10 |
| LF4501313 | ProPEX LF Brass Sweat Fitting Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |
| LF4501515 | ProPEX LF Brass Sweat Fitting Adapter, 1 1/2" PEX x 1 1/2" Copper | 1 |
| LF4502020 | ProPEX LF Brass Sweat Fitting Adapter, 2" PEX x 2" Copper | 1 |

ProPEX LF brass elbow adapters



ProPEX LF brass elbow adapters with male iron pipe (MIP) make 90-degree connections for 1/2" Uponor AquaPEX tubing to 1/2" male NPT thread. ProPEX LF brass elbow adapters with male sweat make 90-degree connections for 1/2" Uponor AquaPEX tubing to 1/2" female sweat.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4125050 | ProPEX LF Brass Elbow Adapter, 1/2" PEX x 1/2" MIP | 25 |
| LF4730500 | ProPEX LF Brass Elbow Adapter, 1/2" PEX x 1/2" Male CU | 10 |

ProPEX LF brass drop ear elbow adapters



ProPEX LF brass drop ear elbow adapters provide rigid, 90-degree connections for 1/2" to 1" Uponor AquaPEX tubing.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF4235038 | ProPEX LF Brass Drop Ear Elbow Adapter, 1/2" PEX x 3/8" FIP | 25 |
| LF4235050 | ProPEX LF Brass Drop Ear Elbow Adapter, 1/2" PEX x 1/2" FIP | 25 |
| LF4237575 | ProPEX LF Brass Drop Ear Elbow Adapter, 3/4" PEX x 3/4" FIP | 4 |
| LF4231010 | ProPEX LF Brass Drop Ear Elbow Adapter, 1" PEX x 1" FIP | 4 |

PEX plumbing systems

ProPEX LF brass copper press adapters transition Uponor PEX tubing to copper pipe.

Note: ProPEX tool and copper press tool are required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|--|-----------|
| LFP4515050 | ProPEX LF Brass Copper Press Adapter, 1/2" PEX x 1/2" Copper | 25 |
| LFP4517575 | ProPEX LF Brass Copper Press Adapter, 3/4" PEX x 3/4" Copper | 25 |
| LFP4511010 | ProPEX LF Brass Copper Press Adapter, 1" PEX x 1" Copper | 10 |
| LFP4511313 | ProPEX LF Brass Copper Press Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |
| LFP4511515 | ProPEX LF Brass Copper Press Adapter, 1 1/2" PEX x 1 1/2" Copper | 1 |
| LFP4512020 | ProPEX LF Brass Copper Press Adapter, 2" PEX x 2" Copper | 1 |
| LFP4512525 | ProPEX LF Brass Copper Press Adapter, 2 1/2" PEX x 2 1/2" Copper | 1 |
| LFP4513030 | ProPEX LF Brass Copper Press Adapter, 3" PEX x 3" Copper | 1 |

ProPEX LF brass copper press adapters



ProPEX LF brass copper press fitting adapters connect Uponor PEX to copper press piping systems. For use with ASTM B88 Type K, L or M copper pipe and ASME B16.51 copper press fittings.

Note: ProPEX tool and copper press tool are required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|--|-----------|
| LFP4505050 | ProPEX LF Brass Copper Press Fitting Adapter, 1/2" PEX x 1/2" Copper | 25 |
| LFP4507575 | ProPEX LF Brass Copper Press Fitting Adapter, 3/4" PEX x 3/4" Copper | 25 |
| LFP4501010 | ProPEX LF Brass Copper Press Fitting Adapter, 1" PEX x 1" Copper | 10 |
| LFP4501313 | ProPEX LF Brass Copper Press Fitting Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |
| LFP4501515 | ProPEX LF Brass Copper Press Fitting Adapter, 1 1/2" PEX x 1 1/2" Copper | 1 |
| LFP4502020 | ProPEX LF Brass Copper Press Fitting Adapter, 2" PEX x 2" Copper | 1 |
| LFP4502525 | ProPEX LF Brass Copper Press Fitting Adapter, 2 1/2" PEX x 2 1/2" Copper | 1 |
| LFP4503030 | ProPEX LF Brass Copper Press Fitting Adapter, 3" PEX x 3" Copper | 1 |

ProPEX LF brass copper press fitting adapters



The Uponor ProPEX® Water Heater Adapter (stainless steel) connects 3/4" PEX to water heater.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF2957575 | ProPEX LF Water Heater Adapter, 3/4" PEX LF Brass x 3/4" FIP x 18" | 20 |

ProPEX LF brass water heater adapters



ProPEX LF brass CPVC spigot adapters transition Uponor PEX tubing to CPVC (CTS) fittings. Follow all CPVC manufacturer's instructions for proper CPVC connections.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| CP4501313 | ProPEX LF Brass x CPVC Spigot Adapter, 1 1/4" PEX x 1 1/4" CPVC (CTS) | 1 |
| CP4501515 | ProPEX LF Brass x CPVC Spigot Adapter, 1 1/2" PEX x 1 1/2" CPVC (CTS) | 1 |
| CP4502020 | ProPEX LF Brass x CPVC Spigot Adapter, 2" PEX x 2" CPVC (CTS) | 1 |

ProPEX LF brass CPVC spigot adapters



PEX plumbing systems

ProPEX LF brass CPVC socket adapters



ProPEX LF brass CPVC socket adapters transition Uponor PEX tubing to CPVC (CTS) pipe. Follow all CPVC manufacturer's instructions for proper CPVC connections.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| CP4511313 | ProPEX LF Brass x CPVC Socket Adapter, 1¼" PEX x 1¼" CPVC (CTS) | 1 |
| CP4511515 | ProPEX LF Brass x CPVC Socket Adapter, 1½" PEX x 1½" CPVC (CTS) | 1 |
| CP4512020 | ProPEX LF Brass x CPVC Socket Adapter, 2" PEX x 2" CPVC (CTS) | 1 |

ProPEX LF brass CPVC spigot adapter kits



ProPEX LF brass CPVC spigot adapter kits transition from either CTS or IPS CPVC to Uponor PEX piping systems. Follow all CPVC manufacturer's instructions for proper CPVC connections.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| CP4501300 | ProPEX LF Brass x CPVC Spigot Adapter Kit, 1¼" PEX x 1¼" CPVC (IPS or CTS) | 1 |
| CP4501500 | ProPEX LF Brass x CPVC Spigot Adapter Kit, 1½" PEX x 1½" CPVC (IPS or CTS) | 1 |
| CP4502000 | ProPEX LF Brass x CPVC Spigot Adapter Kit, 2" PEX x 2" CPVC (IPS or CTS) | 1 |

ProPEX LF brass flange adapter kits



ProPEX LF brass flange adapter kits are available for 2½" and 3" PEX pipe sizes. The kit includes a ProPEX adapter, a flange adapter and four nuts and bolts. The flanges carry a 150-lb. rating.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description |
|-----------|---|
| LF2982525 | ProPEX LF Brass Flange Adapter Kit, 2½" PEX (150 lb.) |
| LF2983030 | ProPEX LF Brass Flange Adapter Kit, 3" PEX (150 lb.) |

Valves and accessories

ProPEX LF brass angle stop valves



Use angle stop valves for point-of-use shutoff at the fixture.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4855038 | ProPEX LF Brass Angle Stop Valve, ½" PEX | 10 |

PEX plumbing systems

Use straight stop valves for point-of-use shutoff at the fixture.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF4865038 | ProPEX LF Brass Straight Stop Valve, 1/2" PEX | 10 |

ProPEX LF brass straight stop valves



LF brass compression (quarter-turn) stop valves are chrome-plated and available in angle or straight configurations. Stop valves are used for point-of-use shutoff at the fixture. Both styles connect 1/2" Uponor AquaPEX tubing to 3/8" outside diameter (O.D.) risers.

Note: Includes compression inserts and rings for the 1/2" PEX connections.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF4410500 | LF Brass Compression Angle Stop Valve for 1/2" PEX | 10 |
| LF4420500 | LF Brass Compression Straight Stop Valve for 1/2" PEX | 10 |
| F5400500 | 1/2" Insert (stainless steel) | 10 |
| F4440500 | 1/2" Compression Ring (brass) | 10 |

LF brass compression stop valves



ProPEX LF brass ball valves are intended as an in-line shutoff (with and without drain) valve for 1/2" and 3/4" Uponor PEX. These valves are not compatible with applications using glycol.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4815050 | ProPEX LF Brass Ball Valve, 1/2" PEX x 1/2" PEX | 10 |
| LF4817575 | ProPEX LF Brass Ball Valve, 3/4" PEX x 3/4" PEX | 10 |
| LF4815055 | ProPEX LF Brass Stop and Drain Ball Valve, (0.44" bore) 1/2" PEX | 10 |
| LF4817580 | ProPEX LF Brass Stop and Drain Ball Valve, (0.44" bore) 3/4" PEX | 10 |

ProPEX LF brass ball valves



PEX plumbing systems

ProPEX LF brass commercial ball valves



ProPEX LF brass commercial ball valves (full port) are designed and dimensioned to deliver all the benefits of the ProPEX connection that you have grown to expect from an Uponor system. These valves are acceptable for use in a system containing no more than 50% propylene glycol. Stem extension kits are available for insulated piping applications (accommodates up to 2" of insulation).

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|--|-----------|
| LFC4825050 | ProPEX LF Brass Commercial Ball Valve (full port), 1/2" PEX x 1/2" PEX | 10 |
| LFC4827575 | ProPEX LF Brass Commercial Ball Valve (full port), 3/4" PEX x 3/4" PEX | 10 |
| LFC4821010 | ProPEX LF Brass Commercial Ball Valve (full port), 1" PEX x 1" PEX | 1 |
| LFC4821313 | ProPEX LF Brass Commercial Ball Valve (full port), 1 1/4" PEX x 1 1/4" PEX | 1 |
| LFC4821515 | ProPEX LF Brass Commercial Ball Valve (full port), 1 1/2" PEX x 1 1/2" PEX | 1 |
| LFC4822020 | ProPEX LF Brass Commercial Ball Valve (full port), 2" PEX x 2" PEX | 1 |
| F5630001 | 2 3/8" Stem Extension Kit for 1/2" and 3/4" Valves | 1 |
| F5630002 | 2 5/8" Stem Extension Kit for 1" and 1 1/4" Valves | 1 |
| F5630003 | 2 5/8" Stem Extension Kit for 1 1/2" and 2" Valves | 1 |

ProPEX to MIP LF brass ball valves



ProPEX to MIP LF brass (quarter-turn) ball valves feature a shutoff valve between 1/2" Uponor AquaPEX and 1/2" MIP. This valve is not compatible with applications using glycol.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF4795050 | ProPEX LF Brass Ball Valve, 1/2" PEX x 1/2" MIP | 10 |

ProPEX LF brass to copper ball valves



ProPEX brass to copper (quarter-turn) ball valves feature a shutoff valve for 1/2" and 3/4" Uponor AquaPEX tubing to 1/2" and 3/4" copper pipe. These valves are not compatible with applications using glycol.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4805050 | ProPEX LF Brass Ball Valve, 1/2" PEX x 1/2" Copper Adapter | 10 |
| LF4807575 | ProPEX LF Brass Ball Valve, 3/4" PEX x 3/4" Copper Adapter | 10 |

PEX plumbing systems

ProPEX LF brass ice maker tees feature a valve with quarter-turn shutoff capability and connect 1/2" PEX to 1/4" O.D. compression. ProPEX LF brass ice maker valves connect 1/2" PEX to 1/4" O.D. compression with quarter-turn shutoff capability.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4455050 | ProPEX LF Brass In-line Ice Maker Tee, 1/2" PEX x 1/2" PEX x 1/4" O.D. compression | 10 |
| LF4785025 | ProPEX LF Brass Ice Maker Valve, 1/2" PEX x 1/4" O.D. (angle) | 10 |
| LF4786025 | ProPEX LF Brass Ice Maker Valve, 1/2" PEX x 1/4" O.D. (straight) | 10 |

ProPEX LF brass ice maker tees and valves



ProPEX escutcheons with flaired sleeve provide an attractive cover for 1/2" Uponor AquaPEX tubing and ProPEX connections as they exit the wall. Available in white or chrome-plated.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| F5650500 | ProPEX Escutcheon for 1/2" PEX (1 1/16" O.D.), chrome-plated | 25 |
| F5670500 | ProPEX Escutcheon for 1/2" PEX (1 1/16" O.D.), white | 25 |

ProPEX escutcheons



Chrome finishing sleeves slide over 1/2" Uponor AquaPEX tubing connected to point-of-use valves to provide protection and improve appearance.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| F5600500 | Chrome Finishing Sleeve for 1/2" PEX (1 1/16" O.D.) | 25 |

Chrome finishing sleeves



PEX plumbing systems

Water service

Targeted for commercial multifamily sub-metering as well as residential whole-home metering, Uponor's ProPEX water service offering is designed for direct connection to water meters sized $\frac{5}{8}$ " to 1".

ProPEX EP water meter fittings



ProPEX EP water meter fittings provide a straight or 90-degree connection to water meters for $\frac{3}{4}$ " and 1" Uponor AquaPEX tubing. They are sold as a kit containing the fitting along with a gasket and two swivel nuts (EP nuts for plastic meters and metal nuts for metal meters).

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| WS4360750 | ProPEX EP Straight Water Meter Fitting, $\frac{3}{4}$ " PEX x 1" NPSM | 1 |
| WS4361000 | ProPEX EP Straight Water Meter Fitting, 1" PEX x 1 $\frac{1}{4}$ " NPSM | 1 |
| WS4360751 | ProPEX EP Elbow Water Meter Fitting, $\frac{3}{4}$ " PEX x 1" NPSM | 1 |
| WS4361001 | ProPEX EP Elbow Water Meter Fitting, 1" PEX x 1 $\frac{1}{4}$ " NPSM | 1 |

ProPEX LF brass water meter valves



ProPEX LF brass water meter valves provide a straight or 90-degree connection to water meters for $\frac{3}{4}$ " and 1" Uponor AquaPEX tubing. They are sold as a kit containing the valve along with a gasket and two swivel nuts (EP nuts for plastic meters and metal nuts for metal meters).

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| WS4820750 | ProPEX LF Brass Straight Water Meter Valve, $\frac{3}{4}$ " PEX x 1" NPSM | 1 |
| WS4821000 | ProPEX LF Brass Straight Water Meter Valve, 1" PEX x 1 $\frac{1}{4}$ " NPSM | 1 |
| WS4820751 | ProPEX LF Brass Elbow Water Meter Valve, $\frac{3}{4}$ " PEX x 1" NPSM | 1 |
| WS4821001 | ProPEX LF Brass Elbow Water Meter Valve, 1" PEX x 1 $\frac{1}{4}$ " NPSM | 1 |

Mounting brackets for $\frac{5}{8}$ " to 1" water meters



| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A5750001 | Mounting Bracket for $\frac{5}{8}$ " to 1" Water Meters | 1 |

Ells and boxes

ProPEX LF copper tub ells provide a 90-degree transition from tub and shower valve to Uponor AquaPEX tubing.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF2875050 | ProPEX LF Copper Tub Ell, 1/2" PEX LF Brass x 1/2" Copper (3" x 6") | 25 |
| LF2885050 | ProPEX LF Copper Tub Ell, 1/2" PEX LF Brass x 1/2" Copper (3" x 4") | 25 |

ProPEX LF copper tub ells



ProPEX copper stub ells provide a 90-degree transition from Uponor AquaPEX tubing to copper or 1/2" compression valves.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF2865050 | ProPEX LF Copper Stub Ell, 1/2" PEX LF Brass x 1/2" Copper (3 1/2" x 8") | 25 |
| LF2855050 | ProPEX LF Copper Stub Ell, 1/2" PEX LF Brass x 1/2" Copper (13" x 8") | 25 |
| LF2895050 | ProPEX LF Copper Stub Ell, 1/2" PEX LF Brass x 1/2" Copper (8" x 13") | 25 |
| LF2897575 | ProPEX LF Copper Stub Ell, 3/4" PEX LF Brass x 3/4" Copper (4" x 8") | 25 |
| LF2891010 | ProPEX LF Copper Stub Ell, 1" PEX x 1" Copper (13" x 16") | 1 |

ProPEX LF copper stub ells



ProPEX LF copper straight stubs provide a straight transition from Uponor AquaPEX tubing to copper.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF2935050 | ProPEX LF Copper Straight Stub, 1/2" PEX LF Brass x 1/2" Copper (8") | 25 |
| LF2945050 | ProPEX LF Copper Straight Stub, 1/2" PEX LF Brass x 1/2" Copper (15") | 25 |
| LF2962525 | ProPEX LF Copper Straight Stub, 2 1/2" PEX LF Brass x 2 1/2" Copper | 1 |
| LF2963030 | ProPEX LF Copper Straight Stub, 3" PEX LF Brass x 3" Copper | 1 |

ProPEX LF copper straight stubs



ProPEX washing machine outlet boxes come with two 1/2" ProPEX LF brass color-coded hot and cold valves. The versatility of the box allows the installer the freedom to mount the box with the valves either on the top or bottom. The four support brackets make mounting the box quick and easy. The included snap-on cover plate accommodates up to 1" drywall.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF5930500 | ProPEX Washing Machine Outlet Box, 1/2" LF Brass Valves | 12 |

ProPEX LF brass washing machine outlet boxes



PEX plumbing systems

ProPEX LF brass ice maker boxes



ProPEX ice maker outlet boxes come with one ½" ProPEX LF brass valve. The valve has a ¼" O.D. compression connection for connecting to standard ice maker tubing. The two support brackets make mounting the box quick and easy. The included snap-on cover plate accommodates up to 1" drywall.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF5955025 | ProPEX Ice Maker Box with Support Brackets, ½" LF Brass Valve | 12 |
| F5400250 | ¼" Insert (stainless steel) | 10 |

Copper manifolds

ProPEX 1" (type L) copper branch manifolds



ProPEX 1" copper branch manifolds feature ½" ProPEX LF brass outlets brazed to the manifold trunk. Sweat manifolds together to create the desired number of outlets. Do not exceed acceptable flow rates for 1" nominal copper.

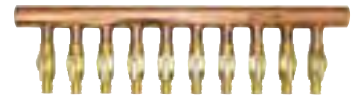
Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF2801050 | ProPEX 1" Copper Branch Manifold with ½" ProPEX LF brass outlets, 4 outlets | 1 |
| LF2811050 | ProPEX 1" Copper Branch Manifold with ½" ProPEX LF brass outlets, 6 outlets | 1 |
| LF2821050 | ProPEX 1" Copper Branch Manifold with ½" ProPEX LF brass outlets, 8 outlets | 1 |
| LF2831050 | ProPEX 1" Copper Branch Manifold with ½" ProPEX LF brass outlets, 10 outlets | 1 |
| LF2841050 | ProPEX 1" Copper Branch Manifold with ½" ProPEX LF brass outlets, 12 outlets | 1 |

PEX plumbing systems

ProPEX 1" copper valved manifolds feature ½" ProPEX LF brass valve connections allowing for simple and easy isolation of individual loops. Sections can sweat together to extend the number of outlets using a standard 1" copper coupling. Both 1" ends are copper pipe size and require a copper end cap, coupling or transition fitting to make the proper system connection. Do not exceed accepted flow rates for 1" nominal copper.

ProPEX 1" (type L) copper LF valved manifolds

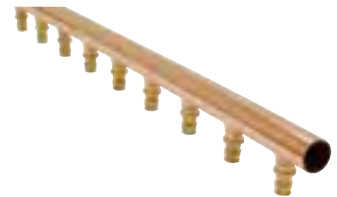


Note: ProPEX tool is required. ProPEX rings sold separately. This manifold is not intended for applications using glycol.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF2500400 | 1" Copper Manifold with LF Brass ½" ProPEX Ball Valve, 4 outlets | 1 |
| LF2500600 | 1" Copper Manifold with LF Brass ½" ProPEX Ball Valve, 6 outlets | 1 |
| LF2500800 | 1" Copper Manifold with LF Brass ½" ProPEX Ball Valve, 8 outlets | 1 |
| LF2501000 | 1" Copper Manifold with LF Brass ½" ProPEX Ball Valve, 10 outlets | 1 |
| LF2501200 | 1" Copper Manifold with LF Brass ½" ProPEX Ball Valve, 12 outlets | 1 |

ProPEX 1" copper manifolds are 6' in length and feature 24 individual ½" ProPEX LF brass outlets spaced 3" on center. The manifolds are suitable for cutting to any length necessary to achieve the desired number of outlets.

ProPEX 1" (type L) LF copper manifolds



Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF2512450 | 1" x 6' Copper Manifold with 24 LF Brass outlets, ½" ProPEX, 3" on center | 1 |

Copper valveless manifolds with ½" or ¾" nominal branches are available in various outlet configurations. The manifolds can join together to create the desired number of outlets. Branches are brazed to the manifold trunk. Use Uponor QS-style or ProPEX ½" or ¾" brass sweat adapters to make connections to ¾", ½", ⅝" and ¾" Uponor AquaPEX tubing. All manifolds require a 1" copper end cap and applicable transition fitting.

Copper (type L) valveless manifolds



Note: Maximum recommended flow rates for these manifolds are: 2", 45 gpm; 1½", 21 gpm; 1", 9 gpm.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| F2802075 | 2" x 6' Copper Valveless Manifold with 24 outlets, ¾" sweat | 1 |
| F2801575 | 1½" x 6' Copper Valveless Manifold with 24 outlets, ¾" sweat | 1 |
| F2751050 | 1" Copper Valveless Manifold, 3 outlets, ½" sweat, 1½" on center | 1 |
| F2761050 | 1" Copper Valveless Manifold, 4 outlets, ½" sweat, 1½" on center | 1 |

PEX plumbing systems

Tools and accessories

Refer to the following pages for a full listing of tools and accessories.

- Tube uncoilers: **page 117**
- Tube cutters: **pages 117-118**
- ProPEX tools and accessories: **pages 119-120**
- Other tools: **page 120**
- Tubing supports: **pages 121-122**
- Fasteners, fastener tools and protectors: **pages 123-126**



Weber Hill Villas

Eureka, MO

Project highlights:

- 24 attached and detached single-family home development
- LEED® and Energy Star® certified and ADA compliant
- Contractor and developer: Dale Hicks and Associates, LLC

Project data:

- Multipurpose plumbing and fire sprinkler system
- ½" to 1½" Uponor AquaPEX pipe
- ProPEX EP fittings and multiport tees

To learn more about this project, visit uponorpro.com/casestudies.

Residential fire sprinkler systems

Residential fire sprinkler systems

Uponor AquaPEX tubing

Uponor AquaPEX white tubing is approved for use in AquaSAFE residential fire safety systems.

Uponor AquaPEX tubing is manufactured and listed to ASTM F876 and F877 and CSA B137.5, certified to NSF Standards 14 and 61 and listed by the Hydrostatic Stress Board of PPI at 200°F at 80psi, 180°F at 100psi and 73.4°F at 160psi. Uponor AquaPEX tubing (shown below) is also listed to UL 1821 and ULC/ORD-C199P and carries an additional rating of 120°F at 130psi.

Uponor AquaPEX white tubing is marked with the PEX 5106 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a one-month UV-resistance level. Additionally, ¾", 1" and 1¼" tubing is listed to UL 1821 and ULC/ORD-C199P for use in residential fire sprinkler systems.

Uponor AquaPEX white coils



| Part no. | Part description | Coils/pallet |
|----------|--|--------------|
| F1040750 | ¾" Uponor AquaPEX White, 100-ft. coil | 22 |
| F1060750 | ¾" Uponor AquaPEX White, 300-ft. coil | 9 |
| F1100750 | ¾" Uponor AquaPEX White, 500-ft. coil | 8 |
| F1041000 | 1" Uponor AquaPEX White, 100-ft. coil | 12 |
| F1061000 | 1" Uponor AquaPEX White, 300-ft. coil | 5 |
| F1101000 | 1" Uponor AquaPEX White, 500-ft. coil | 6 |
| F1061250 | 1¼" Uponor AquaPEX White, 100-ft. coil | 7 |
| F1021250 | 1¼" Uponor AquaPEX White, 300-ft. coil | 2 |

Uponor AquaPEX white straight lengths



| Part no. | Part description |
|----------|--|
| F1930750 | ¾" Uponor AquaPEX White, 20-ft. straight length, 300 ft. (15 per bundle) |
| F1921000 | 1" Uponor AquaPEX White, 20-ft. straight length, 200 ft. (10 per bundle) |
| F1921250 | 1¼" Uponor AquaPEX White, 20-ft. straight length, 100 ft. (5 per bundle) |

Residential fire sprinkler systems

ProPEX rings are required to make a proper ProPEX connection. The 3/4", 1" and 1 1/4" rings are listed to UL 1821 and ULC/ORD-C199P for use in residential fire sprinkler systems.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------|-----------|
| Q4690756 | ProPEX Ring with Stop, 3/4" | 50 |
| Q4691000 | ProPEX Ring with Stop, 1" | 50 |
| Q4691250 | ProPEX Ring with Stop, 1 1/4" | 10 |

ProPEX rings



Looped sprinkler adapters

ProPEX LF brass fire sprinkler adapters connect residential fire sprinklers to Uponor AquaPEX tubing. Made of lead-free* brass with ProPEX outlets, the adapter is NSF- and UL-approved for combined plumbing and fire sprinkler systems.

Note: Installation requires one Fire Sprinkler Adapter Mounting Bracket (A7750700) and one Push-on Nut (F7000005) for each LF brass fire sprinkler adapter. Mount the bracket using #10 x 1 1/2" screws (F7001500) or equivalent. ProPEX tool is required. ProPEX rings sold separately. Listed to UL 1821 and ULC/ORD-C199P for use in residential fire sprinkler systems.

| Part no. | Part description | Pkg. qty. |
|------------|---|-----------|
| LF7707575* | ProPEX LF Brass Fire Sprinkler Adapter Tee, 3/4" PEX x 3/4" PEX x 1/2" FNPT | 5 |
| LF7701010* | ProPEX LF Brass Fire Sprinkler Adapter Tee, 1" PEX x 1" PEX x 1/2" FNPT | 5 |
| LF7717550* | ProPEX LF Brass Fire Sprinkler Adapter Elbow, 3/4" PEX x 1/2" FNPT | 5 |
| LF7711050* | ProPEX LF Brass Fire Sprinkler Adapter Elbow, 1" PEX x 1/2" FNPT | 5 |
| A7750700 | Fire Sprinkler Adapter Mounting Bracket, 3/4" and 1" | 5 |
| F7001500 | Screws, #10 x 1 1/2", Pan Head, Full Thread, 100/pkg. | 1 |
| F7000005 | Fire Sprinkler Adapter Push-on Nut, 25/pkg. | 1 |

*Per NSF Annex G, lead-free products contain no more than 0.25% weighted average lead content on wetted surfaces.

ProPEX LF brass fire sprinkler adapters



Residential fire sprinkler systems

Residential fire sprinklers

Concealed sprinklers



Concealed sprinklers thread onto Uponor's fire sprinkler adapter fittings. All sprinklers come complete with a plastic protective cap and cup. Sprinklers are NSF- and UL-approved for combined plumbing and fire sprinkler systems. Sprinklers designated LF are also NSF Annex G compliant.

Note: Concealed cover plates for LF74970FC sold separately. Concealed cover plates are included with LF74971FW. Do not store sprinkler assemblies where the ambient temperature will exceed 100°F. Special sprinkler wrenches are required to assemble sprinkler and adapter.

| Part no. | Part description | K-factor | Pkg. qty. |
|------------|--|----------|-----------|
| LF74970FC | LF RC-RES (162F) Flat Concealed Sprinkler | 4.9 | 50 |
| LF74971FW* | LF RC-RES (175F) Flat Concealed Sprinkler with White Cover Plate | 4.9 | 5 |

*Use 175°F sprinklers where the maximum ambient ceiling temperatures are between 101°F and 150°F.

Recessed pendent sprinklers



Recessed pendent sprinklers thread onto Uponor's fire sprinkler adapter fittings. Sprinklers are NSF- and UL-approved for combined plumbing and fire sprinkler systems.

Note: Protective plastic caps, escutcheons and tension collars sold separately. Do not store sprinklers where the ambient temperature will exceed 100°F. Sprinkler wrench required to assemble sprinkler and adapter.

| Part no. | Part description | K-factor | Pkg. qty. |
|------------|--|----------|-----------|
| LF73000WH | LF Recessed Pendent Sprinkler, 155F, 3.0 K-factor, White | 3.0 | 5 |
| LF73001WH* | LF Recessed Pendent Sprinkler, 175F, 3.0 K-factor, White | 3.0 | 5 |
| LF74900WH | LF Recessed Pendent Sprinkler, 155F, 4.9 K-factor, White | 4.9 | 5 |
| LF74901WH* | LF Recessed Pendent Sprinkler, 175F, 4.9 K-factor, White | 4.9 | 5 |

*Use 175°F sprinklers where the maximum ambient ceiling temperatures are between 101°F and 150°F.

Horizontal sidewall sprinklers



Horizontal sidewall sprinklers thread onto Uponor's fire sprinkler adapter fittings. Sprinklers are NSF- and UL-approved for combined plumbing and fire sprinkler systems. Sprinklers designated LF are also NSF Annex G compliant.

Note: Protective plastic caps, escutcheons and covers sold separately. Do not store sprinkler assemblies where the ambient temperature will exceed 100°F. Recessed sprinkler wrench required to assemble sprinkler and adapter.

| Part no. | Part description | K-factor | Pkg. qty. |
|------------|--|----------|-----------|
| LF74300HW | LF Recessed Horizontal Sidewall Sprinkler, 155F, 4.2 K-factor, White | 4.2 | 5 |
| LF74301HW* | LF Recessed Horizontal Sidewall Sprinkler, 175F, 4.2 K-factor, White | 4.2 | 5 |
| LF74000HS | LF Flat Concealed Horizontal Sidewall Sprinkler, 165F, 4.0 K-factor | 4.0 | 5 |

*Use 175°F sprinklers where the maximum ambient ceiling temperatures are between 101°F and 150°F.

Residential fire sprinkler systems

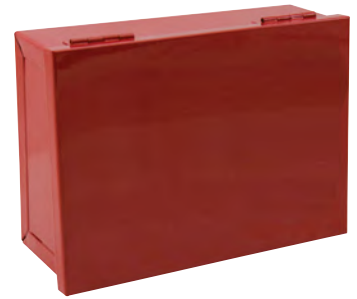
Sprinkler cabinets

This three-sprinkler cabinet allows installers to leave spare sprinklers in the home.

Note: Ensure extra sprinklers of each type used in the home are purchased separately and included in the cabinet.

| Part no. | Part description | Pkg. qty. |
|----------|--------------------------------------|-----------|
| Q7503000 | Sprinkler Cabinet without Sprinklers | 1 |

Sprinkler cabinets



Sprinkler accessories

Concealed flat cover plates easily slide onto flat concealed sprinklers for a finished appearance. The flat cover plate completely hides the sprinkler from view. All cover plates detach from the sprinkler assembly when temperatures reach 135°F to 140°F.

Note: Do not store cover plates in areas where the ambient temperature will exceed 100°F. Cover plates must be used with LF RC-RES concealed sprinklers and LF concealed horizontal sidewall sprinklers.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| Q70640HW* | Concealed Flat Cover Plate for HSW, White, (HSW style only) | 5 |
| Q70749WH | Concealed Flat Cover Plate for 162F LF RC-RES Sprinkler, White, 3¼" | 50 |

Concealed flat cover plates



Residential fire sprinkler systems

Recessed escutcheons

Recessed escutcheons provide a finished appearance. They come complete with a tension collar and are available in white.



| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q71850LW | Two-piece Recessed Escutcheon for LF Recessed Pendent and LF Recessed HSW, White | 5 |

Concealed sprinkler wrenches

Concealed sprinkler wrenches quickly and easily allow access to service concealed sprinklers.



| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q7500700 | Sprinkler Socket for LF RC-RES Sprinklers, LF74970FC and LF74971FW | 1 |
| Q7500430 | Sprinkler Wrench, LF Flat Concealed Horizontal Sidewall | 1 |

Recessed sprinkler wrenches

Recessed sprinkler wrenches quickly and easily allow access to service LF recessed pendent and LF recessed horizontal sidewall sprinklers.



| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q7500400 | Sprinkler Wrench, LF Recessed Pendent | 1 |
| Q7500410 | Sprinkler Wrench, LF Recessed Horizontal Sidewall | 1 |

Residential fire sprinkler systems

ProPEX fittings

ProPEX EP couplings make PEX-to-PEX connections.

Note: ProPEX tool is required. ProPEX rings sold separately. Listed to UL 1821 and ULC/ORD-C199P.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4777575 | ProPEX EP Coupling, 3/4" PEX x 3/4" PEX | 25 |
| Q4777510 | ProPEX EP Coupling, 3/4" PEX x 1" PEX | 25 |
| Q4771010 | ProPEX EP Coupling, 1" PEX x 1" PEX | 10 |
| Q4771307 | ProPEX EP Coupling, 1 1/4" PEX x 3/4" PEX | 1 |
| Q4771310 | ProPEX EP Coupling, 1 1/4" PEX x 1" PEX | 1 |
| Q4771313 | ProPEX EP Coupling, 1 1/4" PEX x 1 1/4" PEX | 1 |

ProPEX couplings



ProPEX EP elbows make tight 90-degree connections for Uponor AquaPEX tubing.

Note: ProPEX Tool is required. ProPEX Rings sold separately. Listed to UL 1821 and ULC/ORD-C199P.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q4760750 | ProPEX EP Elbow, 3/4" PEX x 3/4" PEX | 25 |
| Q4761000 | ProPEX EP Elbow, 1" PEX x 1" PEX | 10 |
| Q4761250 | ProPEX EP Elbow, 1 1/4" PEX x 1 1/4" PEX | 1 |

ProPEX elbows



ProPEX EP tees make diverting connections for Uponor AquaPEX tubing. Branch size is listed last in the part description.

Note: ProPEX Tool is required. ProPEX Rings sold separately. Listed to UL 1821 and ULC/ORD-C199P.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4757575 | ProPEX EP Tee, 3/4" PEX x 3/4" PEX x 3/4" PEX | 25 |
| Q4751010 | ProPEX EP Tee, 1" PEX x 1" PEX x 1" PEX | 10 |
| Q4751313 | ProPEX EP Tee, 1 1/4" PEX x 1 1/4" PEX x 1 1/4" PEX | 1 |

ProPEX tees



Residential fire sprinkler systems

ProPEX reducing tees



ProPEX EP reducing tees make diverting connections for Uponor AquaPEX tubing. Branch size is listed last in the part description.

Note: ProPEX tool is required. ProPEX rings sold separately. Listed to UL 1821 and ULC/ORD-C199P.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q4757557 | ProPEX EP Reducing Tee, 3/4" PEX x 1/2" PEX x 3/4" PEX | 25 |
| Q4757550 | ProPEX EP Reducing Tee, 3/4" PEX x 3/4" PEX x 1/2" PEX | 25 |
| Q4757710 | ProPEX EP Reducing Tee, 3/4" PEX x 3/4" PEX x 1" PEX | 10 |
| Q4751775 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 3/4" PEX | 10 |
| Q4751751 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 1" PEX | 10 |
| Q4751150 | ProPEX EP Reducing Tee, 1" PEX x 1" PEX x 1/2" PEX | 10 |
| Q4751175 | ProPEX EP Reducing Tee, 1" PEX x 1" PEX x 3/4" PEX | 10 |
| Q4751317 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1" PEX x 3/4" PEX | 1 |
| Q4751311 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1" PEX x 1" PEX | 1 |
| Q4751350 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 1/2" PEX | 1 |
| Q4751337 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 3/4" PEX | 1 |
| Q4751331 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 1" PEX | 1 |

ProPEX EP plugs



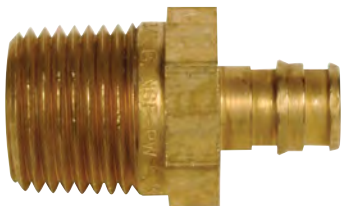
ProPEX EP plugs permanently or temporarily terminate the end of Uponor PEX tubing.

Note: ProPEX Tool is required. ProPEX Rings sold separately. Listed to UL 1821 and ULC/ORD-C199P.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------|-----------|
| Q4350750 | ProPEX EP Plug for 3/4" PEX | 25 |
| Q4351000 | ProPEX EP Plug for 1" PEX | 10 |
| Q4351250 | ProPEX EP Plug for 1 1/4" PEX | 1 |

ProPEX adapters

ProPEX LF brass male threaded adapters



ProPEX LF brass male threaded adapters connect Uponor AquaPEX tubing to male NPT threads and are intended as transition fittings from metal to PEX.

Note: ProPEX tool is required. ProPEX Rings sold separately. Listed to UL 1821 and ULC/ORD-C199P.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4527575 | ProPEX LF Brass Male Threaded Adapter, 3/4" PEX x 3/4" NPT | 25 |
| LF4521010 | ProPEX LF Brass Male Threaded Adapter, 1" PEX x 1" NPT | 10 |
| LF4521313 | ProPEX LF Brass Male Threaded Adapter, 1 1/4" PEX x 1 1/4" NPT | 1 |

Residential fire sprinkler systems

ProPEX LF brass female threaded adapters connect Uponor AquaPEX tubing to female NPT threads and are intended as transition fittings from metal to PEX.

Note: ProPEX tool is required. ProPEX rings sold separately. Listed to UL 1821 and ULC/ORD-C199P.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4577575 | ProPEX LF Brass Female Threaded Adapter, 3/4" PEX x 3/4" NPT | 25 |
| LF4571010 | ProPEX LF Brass Female Threaded Adapter, 1" PEX x 1" NPT | 10 |
| LF4571313 | ProPEX LF Brass Female Threaded Adapter, 1 1/4" PEX x 1 1/4" NPT | 1 |

ProPEX LF brass female threaded adapters



ProPEX LF brass sweat adapters transition Uponor AquaPEX tubing to copper pipe.

Note: ProPEX tool is required. ProPEX rings sold separately. Listed to UL 1821 and ULC/ORD-C199P.

Note: Do not press these adapters. For copper press applications, see **page 26** for ProPEX LF brass copper press adapters.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF4517575 | ProPEX LF Brass Sweat Adapter, 3/4" PEX x 3/4" Copper | 25 |
| LF4511010 | ProPEX LF Brass Sweat Adapter, 1" PEX x 1" Copper | 10 |
| LF4511313 | ProPEX LF Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |

ProPEX LF brass sweat adapters



Water service

Targeted for commercial multifamily sub-metering as well as residential whole-home metering, Uponor's ProPEX water service offering is designed for direct connection to water meters sized 5/8" to 1".

ProPEX EP water meter fittings provide a straight or 90-degree connection to water meters for 3/4" and 1" Uponor AquaPEX tubing. They are sold as a kit containing the fitting along with a gasket and two swivel nuts (EP nuts for plastic meters and metal nuts for metal meters). Listed to UL 1821 and ULC/ORD-C199P.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| WS4360750 | ProPEX EP Straight Water Meter Fitting, 3/4" PEX x 1" NPSM | 1 |
| WS4361000 | ProPEX EP Straight Water Meter Fitting, 1" PEX x 1 1/4" NPSM | 1 |
| WS4360751 | ProPEX EP Elbow Water Meter Fitting, 3/4" PEX x 1" NPSM | 1 |
| WS4361001 | ProPEX EP Elbow Water Meter Fitting, 1" PEX x 1 1/4" NPSM | 1 |

ProPEX EP water meter fittings



Residential fire sprinkler systems

Tools and accessories

Refer to the following pages for a full listing of tools and accessories.

- Tube uncoilers: **page 117**
- Tube cutters: **pages 117-118**
- ProPEX tools and accessories: **pages 119-120**
- Other tools: **page 120**
- Tubing supports: **pages 121-122**
- Fasteners, fastener tools and protectors: **pages 123-126**



Colorado State University Power House

Fort Collins, CO

Project highlights:

- 65,000-square-foot research facility
- LEED® Platinum certified
- Uses only 25% energy of comparative buildings
- Contractor: Lind's Plumbing and Heating, Inc.

Project data:

- Uponor radiant heating/cooling, hydronic piping and plumbing systems
- 157,000 ft. of Uponor pipe from ½" to 2"
- ProPEX EP fittings
- Uponor EP heating manifolds

To learn more about this project, visit uponorpro.com/casestudies.

Radiant and hydronic piping systems

Radiant and hydronic piping systems

Barrier tubing

Wirsbo hePEX™ coils



Wirsbo hePEX™ features an oxygen barrier that conforms to DIN 4726 for use in closed-loop hydronic piping and radiant heating and cooling applications. The tubing is rated and listed by the Hydrostatic Stress Board of PPI at 200°F at 80psi, 180°F at 100psi and 73.4°F at 160psi. It is compatible with Uponor ProPEX and QS-style fittings and is manufactured in full compliance to ASTM F876 and F877. It is also listed to NSF 61 for potable-water applications.

| Part no. | Part description | Coils/pallet |
|----------|------------------------------------|--------------|
| A1140313 | 5/16" Wirsbo hePEX, 100-ft. coil | 30 |
| A1180313 | 5/16" Wirsbo hePEX, 250-ft. coil | 40 |
| A1220313 | 5/16" Wirsbo hePEX, 1,000-ft. coil | 12 |
| A1140375 | 3/8" Wirsbo hePEX, 100-ft. coil | 28 |
| A1210375 | 3/8" Wirsbo hePEX, 400-ft. coil | 18 |
| A1220375 | 3/8" Wirsbo hePEX, 1,000-ft. coil | 12 |
| A1140500 | 1/2" Wirsbo hePEX, 100-ft. coil | 22 |
| A1250500 | 1/2" Wirsbo hePEX, 300-ft. coil | 18 |
| A1260500 | 1/2" Wirsbo hePEX, 500-ft. coil | 12 |
| A1220500 | 1/2" Wirsbo hePEX, 1,000-ft. coil | 8 |
| A1140625 | 5/8" Wirsbo hePEX, 100-ft. coil | 15 |
| A1250625 | 5/8" Wirsbo hePEX, 300-ft. coil | 12 |
| A1210625 | 5/8" Wirsbo hePEX, 400-ft. coil | 12 |
| A1220625 | 5/8" Wirsbo hePEX, 1,000-ft. coil | 5 |
| A1140750 | 3/4" Wirsbo hePEX, 100-ft. coil | 22 |
| A1250750 | 3/4" Wirsbo hePEX, 300-ft. coil | 12 |
| A1240750 | 3/4" Wirsbo hePEX, 500-ft. coil | 8 |
| A1220750 | 3/4" Wirsbo hePEX, 1,000-ft. coil | 3 |
| A1141000 | 1" Wirsbo hePEX, 100-ft. coil | 12 |
| A1251000 | 1" Wirsbo hePEX, 300-ft. coil | 5 |
| A1241000 | 1" Wirsbo hePEX, 500-ft. coil | 6 |
| A1141250 | 1 1/4" Wirsbo hePEX, 100-ft. coil | 7 |
| A1251250 | 1 1/4" Wirsbo hePEX, 300-ft. coil | 2 |
| A1141500 | 1 1/2" Wirsbo hePEX, 100-ft. coil | 7 |
| A1251500 | 1 1/2" Wirsbo hePEX, 300-ft. coil | 2 |
| A1142000 | 2" Wirsbo hePEX, 100-ft. coil | 5 |
| A1252000 | 2" Wirsbo hePEX, 300-ft. coil | 2 |
| A1142500 | 2 1/2" Wirsbo hePEX, 100-ft. coil | 1 |
| A1252500 | 2 1/2" Wirsbo hePEX, 300-ft. coil | 1 |
| A1143000 | 3" Wirsbo hePEX, 100-ft. coil | 1 |
| A1253000 | 3" Wirsbo hePEX, 300-ft. coil | 1 |
| A1143500 | 3 1/2" Wirsbo hePEX, 100-ft. coil | 1 |
| A1144000 | 4" Wirsbo hePEX, 100-ft. coil | 1 |

Note: Other non-standard lengths are available on a made-to-order basis. Allow six weeks for delivery. Call Uponor Customer Service at 888.594.7726 for availability and pricing. Wirsbo hePEX 3 1/2" and 4" tubing uses WIPEX™ fittings. See **page 108** for a listing of WIPEX fittings.

Radiant and hydronic piping systems

Wirsbo hePEX™ features an oxygen barrier that conforms to DIN 4726 for use in closed-loop hydronic piping and radiant heating and cooling applications. The tubing is rated and listed by the Hydrostatic Stress Board of PPI at 200°F at 80psi, 180°F at 100psi and 73.4°F at 160psi. It is compatible with Uponor ProPEX and QS-style fittings and is manufactured in full compliance to ASTM F876 and F877. It is also listed to NSF 61 for potable-water applications.

Wirsbo hePEX straight lengths



| Part no. | Part description |
|----------|--|
| A1930500 | ½" Wirsbo hePEX, 20-ft. straight length, 500 ft. (25 per bundle) |
| A1930625 | ⅝" Wirsbo hePEX, 20-ft. straight length, 300 ft. (15 per bundle) |
| A1930750 | ¾" Wirsbo hePEX, 20-ft. straight length, 300 ft. (15 per bundle) |
| A1921000 | 1" Wirsbo hePEX, 20-ft. straight length, 200 ft. (10 per bundle) |
| A1921250 | 1¼" Wirsbo hePEX, 20-ft. straight length, 100 ft. (5 per bundle) |
| A1921500 | 1½" Wirsbo hePEX, 20-ft. straight length, 100 ft. (5 per bundle) |
| A1922000 | 2" Wirsbo hePEX, 20-ft. straight length, 100 ft. (5 per bundle) |
| A1922500 | 2½" Wirsbo hePEX 20-ft. straight length, 60 ft.(3 per bundle) |
| A1923000 | 3" Wirsbo hePEX 20-ft. straight length, 40 ft.(2 per bundle) |

Note: Wirsbo hePEX 3½" and 4" tubing uses WIPEX fittings, See **page 108** for a listing of WIPEX fittings.

Radiant and hydronic piping systems

Radiant Rollout™ Mats



Radiant Rollout™ Mats provide a fast, efficient and consistent method for installing radiant heating and cooling systems in large commercial areas — reducing required manifold ports by more than 60%, reducing wire ties and staples by up to 30%, and improving installation time by up to 85%, helping projects stay on schedule, providing worker safety (by minimizing knee and back strain), and offering dependable commissioning with pre-pressurized tubing and self-balancing circuits. In addition, the reverse-return header option in the mats offers material savings on manifolds and other ancillary installation components.

Note: Because the Radiant Rollout Mat is a custom-made product, contact Uponor Technical Services at technical.services@uponor.com or 888.594.7726 for availability, pricing and to request the Radiant Rollout Mat Design Request Form. Lead times for delivery vary from four to eight weeks. Mats ship F.O.B. destination. General terms and conditions apply.

| Radiant Rollout Mat options | |
|-----------------------------|---|
| Length | Customizable from 40' to 220' |
| Width | 4½' with 9" on-center spacing with or without in-slab manifold 5' with 6" on-center spacing with or without in-slab manifold 6' with 12" on-center spacing with or without in-slab manifold |
| Tubing | ½" Wirsbo hePEX (oxygen barrier) ⅝" Wirsbo hePEX (oxygen barrier) |
| Fittings | EP fittings (with in-slab, ¾" reverse-return header only) |
| Pre-pressurization | 20psi; pressurized at the factory with in-slab, ¾" reverse-return header |
| Distribution flow options | In-slab, ¾" reverse-return header. Wall manifold featuring the Uponor TruFLOW™ Classic |
| Supports | Acetal polymer support braces every 7' and pre-drilled holes for stake and anchor supports |

| Part no. | Part description | Pkg. qty. |
|-------------|--|-----------|
| M2306060000 | ½" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop | 1 |
| M2309054000 | ½" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop | 1 |
| M2312072000 | ½" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop | 1 |
| M2406060000 | ⅝" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop | 1 |
| M2409054000 | ⅝" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop | 1 |
| M2412072000 | ⅝" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop | 1 |

Radiant and hydronic piping systems

Non-barrier tubing

Uponor AquaPEX white tubing is suitable for use in hydronic heating applications where the system contains no ferrous corrodible components or where any ferrous components are isolated from the tubing.

Uponor AquaPEX white tubing is manufactured and listed to ASTM F876 and F877 and CSA B137.5, certified to NSF Standards 14 and 61 and listed by the Hydrostatic Stress Board of PPI at 200°F at 80psi, 180°F at 100psi and 73.4°F at 160psi.

Uponor AquaPEX white tubing is marked with the PEX 5106 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a one-month UV-resistance level.

Uponor AquaPEX white coils



| Part no. | Part description | Coils/pallet |
|----------|---|--------------|
| F1040250 | 1/4" Uponor AquaPEX White, 100-ft. coil | 50 |
| F1090375 | 3/8" Uponor AquaPEX White, 400-ft. coil | 18 |
| F1120375 | 3/8" Uponor AquaPEX White, 1,000-ft. coil | 12 |
| F1040500 | 1/2" Uponor AquaPEX White, 100-ft. coil | 22 |
| F1060500 | 1/2" Uponor AquaPEX White, 300-ft. coil | 18 |
| F1100500 | 1/2" Uponor AquaPEX White, 500-ft. coil | 12 |
| F1120500 | 1/2" Uponor AquaPEX White, 1,000-ft. coil | 8 |
| F1060625 | 5/8" Uponor AquaPEX White, 300-ft. coil | 12 |
| F1120625 | 5/8" Uponor AquaPEX White, 1,000-ft. coil | 5 |
| F1040750 | 3/4" Uponor AquaPEX White, 100-ft. coil | 22 |
| F1060750 | 3/4" Uponor AquaPEX White, 300-ft. coil | 9 |
| F1100750 | 3/4" Uponor AquaPEX White, 500-ft. coil | 8 |
| F1041000 | 1" Uponor AquaPEX White, 100-ft. coil | 12 |
| F1061000 | 1" Uponor AquaPEX White, 300-ft. coil | 5 |
| F1101000 | 1" Uponor AquaPEX White, 500-ft. coil | 6 |
| F1061250 | 1 1/4" Uponor AquaPEX White, 100-ft. coil | 7 |
| F1021250 | 1 1/4" Uponor AquaPEX White, 300-ft. coil | 2 |
| F1061500 | 1 1/2" Uponor AquaPEX White, 100-ft. coil | 7 |
| F1021500 | 1 1/2" Uponor AquaPEX White, 300-ft. coil | 2 |
| F1062000 | 2" Uponor AquaPEX White, 100-ft. coil | 5 |
| F1052000 | 2" Uponor AquaPEX White, 200-ft. coil | 3 |
| F1022000 | 2" Uponor AquaPEX White, 300-ft. coil | 2 |
| F1062500 | 2 1/2" Uponor AquaPEX White, 100-ft. coil | 1 |
| F1022500 | 2 1/2" Uponor AquaPEX White, 300-ft. coil | 1 |
| F1063000 | 3" Uponor AquaPEX White, 100-ft. coil | 1 |
| F1023000 | 3" Uponor AquaPEX White, 300-ft. coil | 1 |

Radiant and hydronic piping systems

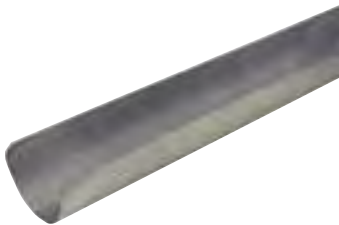
Uponor AquaPEX white straight lengths



Uponor AquaPEX white tubing is marked with the PEX 5106 designation as required by the most recent edition of ASTM F876-15a, indicating it exceeds ASTM F876 chlorine-resistance requirements for continuous-recirculation systems operating up to 140°F while also affording a one-month UV-resistance level. Uponor AquaPEX white tubing (3/4", 1" and 1 1/4" only) is also listed to UL 1821 and ULC/ORD-C199P and carries an additional rating of 120°F at 130psi.

| Part no. | Part description | Bags/bulk bag |
|----------|---|---------------|
| F1930500 | 1/2" Uponor AquaPEX White, 20-ft. straight length, 500 ft. (25 per bundle) | 25 |
| F1930750 | 3/4" Uponor AquaPEX White, 20-ft. straight length, 300 ft. (15 per bundle) | 20 |
| F1921000 | 1" Uponor AquaPEX White, 20-ft. straight length, 200 ft. (10 per bundle) | 15 |
| F1921250 | 1 1/4" Uponor AquaPEX White, 20-ft. straight length, 100 ft. (5 per bundle) | 20 |
| F1921500 | 1 1/2" Uponor AquaPEX White, 20-ft. straight length, 100 ft. (5 per bundle) | 20 |
| F1922000 | 2" Uponor AquaPEX White, 20-ft. straight length, 100 ft. (5 per bundle) | 10 |
| F1922500 | 2 1/2" Uponor AquaPEX White, 20-ft. straight length, 60 ft. (3 per bundle) | 8 |
| F1923000 | 3" Uponor AquaPEX White, 20-ft. straight length, 40 ft. (2 per bundle) | 10 |

PEX-a pipe supports



PEX-a pipe supports are made of 23-gauge, galvanized steel and are available in 1/2" to 3 1/2" sizes for suspended commercial plumbing and hydronic piping applications, enabling extended support spacing. Each package quantity contains 15 support straps (i.e., three support straps per 9-ft. length).

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| F7040500 | 1/2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7040750 | 3/4" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041000 | 1" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041250 | 1 1/4" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041500 | 1 1/2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7042000 | 2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7042500 | 2 1/2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7043000 | 3" PEX-a Pipe Support, 9-ft. length | 5 |
| F7043500 | 3 1/2" PEX-a Pipe Support, 9-ft. length | 5 |
| Q7410510 | PEX-a Pipe Support Strapping for 1/2", 3/4" and 1" PEX | 100 |
| Q7411220 | PEX-a Pipe Support Strapping for 1 1/4", 1 1/2" and 2" PEX | 100 |
| Q7412540 | PEX-a Pipe Support Strapping for 2 1/2", 3" and 3 1/2" PEX | 100 |

Radiant and hydronic piping systems

Manifold wall cabinets

The recessed-style manifold wall cabinets feature a removable door-trim package and are adjustable to accommodate stainless-steel, brass or EP manifolds mounted in either a 2x4 or 2x6 stud wall. Mount an Uponor zone control module or wireless zoning base unit inside the cabinet for ease of wiring and protection from exposure or possible damage.

Note: When recessing the cabinet in a wall, add ½" to the height and width of the cabinet dimensions (shown in the part description) for easier installation. The adjustable door will cover the additional space surrounding the cabinet.

Manifold wall cabinets



| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2603524 | Manifold Wall Cabinet, 35.5" H x 24" W x 3.5" D | 1 |
| A2603530 | Manifold Wall Cabinet, 35.5" H x 30.5" W x 3.5" D | 1 |
| A2603539 | Manifold Wall Cabinet, 35.5" H x 39" W x 3.5" D | 1 |

| TruFLOW Classic and Jr. with adapter only ¹ | A2603524 | A2603530 | A2603539 |
|--|----------|----------|----------|
| 2 to 7 loops | X | | |
| 8 to 10 loops | | X | |
| 11 to 12 loops | | | X |
| TruFLOW Classic and Jr. with ball valves ² | A2603524 | A2603530 | A2603539 |
| 2 to 5 loops | X | | |
| 6 to 8 loops | | X | |
| 10 to 12 loops | | | X |

| 1" stainless-steel manifolds ⁶ | A2603524 | A2603530 | A2603539 |
|--|----------|----------|----------|
| 2 to 5 loops | X | | |
| 6 to 8 loops | | X | |
| 10 to 12 loops | | | X |
| 1¼" stainless-steel manifolds ⁶ | A2603524 | A2603530 | A2603539 |
| 2 to 5 loops | X | | |
| 6 to 8 loops | | X | |
| 10 to 12 loops | | | X |

| EP heating manifolds ^{1, 5, 6} | A2603524 A2603588 | A2603530 A2603588 | A2603539 A2603588 |
|--|----------------------|----------------------|----------------------|
| 2 to 6 loops | X | | |
| 7 to 10 loops | | X | |
| 11 to 12 loops | | | X |
| EP heating manifolds with EP elbows or TruFLOW ball valves ^{3, 4, 5, 6} | A2603524 A2603588 | A2603530 A2603588 | A2603539 A2603588 |
| 2 to 4 loops | X | | |
| 5 to 7 loops | | X | |
| 8 to 12 loops ⁵ | | | X |

¹ When adding the adapter, the cabinets are designed to feature 1" of clearance around the entire manifold assembly for the maximum number of loops in each row of the table.

² When adding the adapter or ball valves (horizontally), the cabinets are designed to feature 1" of clearance around the entire manifold assembly for the maximum number of loops in each row of the table.

³ When adding the adapter, EP elbow or ball valves (horizontally), the cabinets are designed to feature 1" of clearance around the entire manifold assembly for the maximum number of loops in each row of the table.

⁴ Manifold supply and return ball valves (A2631250) cannot be used in conjunction with EP manifolds inside the manifold wall cabinets.

⁵ When installing EP heating manifolds with 11 to 12 loops and adding the adapter, EP elbow or the ball valves (horizontally), note that the manifold assembly will have limited clearance inside the cabinet.

⁶ When installing stainless-steel manifolds with 10 to 12 loops, note the mounting bracket spacing must be adjusted for proper fit on the cabinet rail.

Radiant and hydronic piping systems

TruFLOW manifold assemblies

TruFLOW Jr. assemblies with balancing valves and valveless manifolds come fully assembled and ready for installation. The manifold body (1" barrel diameter) ends have R32 unions and the loop outlets have R20 male threads. Maximum recommended flow to the manifold based on manifold body diameter is 14 gallons per minute (gpm).

| Part no. | Part description | Dim. (body-outlets-body) | Pkg. qty. |
|----------|--|-----------------------------|-----------|
| A2660200 | TruFLOW Jr. Assembly, Balancing Valves and Valveless, 2-loop | R32-R20-R32 | 1 |
| A2660300 | TruFLOW Jr. Assembly, Balancing Valves and Valveless, 3-loop | R32-R20-R32 | 1 |
| A2660400 | TruFLOW Jr. Assembly, Balancing Valves and Valveless, 4-loop | R32-R20-R32 | 1 |
| A2660500 | TruFLOW Jr. Assembly, Balancing Valves and Valveless, 5-loop | R32-R20-R32 | 1 |
| A2660600 | TruFLOW Jr. Assembly, Balancing Valves and Valveless, 6-loop | R32-R20-R32 | 1 |
| A2660700 | TruFLOW Jr. Assembly, Balancing Valves and Valveless, 7-loop | R32-R20-R32 | 1 |
| A2660800 | TruFLOW Jr. Assembly, Balancing Valves and Valveless, 8-loop | R32-R20-R32 | 1 |

TruFLOW Jr. assemblies with balancing valves and valveless manifolds



TruFLOW manifold assemblies with balancing and isolation valves come fully assembled and ready for installation. The assemblies are shipped with the appropriate number of TruFLOW manifold actuator adapters (A2630028). Maximum recommended flow to the manifold is 14 gpm for Jr. (1" barrel diameter) and 21 gpm for Classic (1¼" barrel diameter).

| Part no. | Part description | Dim. (body-outlets) | Pkg. qty. |
|----------|--|------------------------|-----------|
| A2660201 | TruFLOW Jr. Assembly, B&I, 2-loop | R32-R20 | 1 |
| A2660301 | TruFLOW Jr. Assembly, B&I, 3-loop | R32-R20 | 1 |
| A2660401 | TruFLOW Jr. Assembly, B&I, 4-loop | R32-R20 | 1 |
| A2660501 | TruFLOW Jr. Assembly, B&I, 5-loop | R32-R20 | 1 |
| A2660601 | TruFLOW Jr. Assembly, B&I, 6-loop | R32-R20 | 1 |
| A2660701 | TruFLOW Jr. Assembly, B&I, 7-loop | R32-R20 | 1 |
| A2660801 | TruFLOW Jr. Assembly, B&I, 8-loop | R32-R20 | 1 |
| A2610200 | TruFLOW Classic Assembly, B&I, 2-loop | R32-R20 | 1 |
| A2610300 | TruFLOW Classic Assembly, B&I, 3-loop | R32-R20 | 1 |
| A2610400 | TruFLOW Classic Assembly, B&I, 4-loop | R32-R20 | 1 |
| A2610500 | TruFLOW Classic Assembly, B&I, 5-loop | R32-R20 | 1 |
| A2610600 | TruFLOW Classic Assembly, B&I, 6-loop | R32-R20 | 1 |
| A2610700 | TruFLOW Classic Assembly, B&I, 7-loop | R32-R20 | 1 |
| A2610800 | TruFLOW Classic Assembly, B&I, 8-loop | R32-R20 | 1 |
| A2611000 | TruFLOW Classic Assembly, B&I, 10-loop | R32-R20 | 1 |
| A2611200 | TruFLOW Classic Assembly, B&I, 12-loop | R32-R20 | 1 |

TruFLOW Jr. and Classic assemblies with balancing and isolation valves



Radiant and hydronic piping systems

TruFLOW Jr. modular manifolds

TruFLOW Jr. supply manifolds with balancing valves



TruFLOW Jr. supply manifolds with balancing valves are used in conjunction with either the TruFLOW Jr. modular manifolds with isolation valves or the TruFLOW Jr. modular valveless manifolds to complete the manifold set. The TruFLOW Jr. supply manifolds with balancing valves allow manual flow balancing of the individual loops on the manifolds. Manifolds are available in 2- to 4-loop configurations depending on model. The manifold body (1" barrel diameter) ends have R32 threads as shown in the picture. Maximum recommended flow to the manifold is 14 gpm.

| Part no. | Part description | Dim. (body-outlets-body) | Pkg. qty. |
|----------|---|--------------------------|-----------|
| A2663212 | TruFLOW Jr. Manifold Balancing Valves, 2-loop | R32-R20-R32 | 1 |
| A2663213 | TruFLOW Jr. Manifold Balancing Valves, 3-loop | R32-R20-R32 | 1 |
| A2663214 | TruFLOW Jr. Manifold Balancing Valves, 4-loop | R32-R20-R32 | 1 |

TruFLOW Jr. return manifolds with isolation valves



TruFLOW Jr. return manifolds with isolation valves are used with either the TruFLOW Jr. modular manifolds with balancing valves or the TruFLOW Jr. modular valveless manifolds to complete the manifold set. The TruFLOW Jr. return manifolds with isolation valves allow for manual isolation of the individual loops on the manifold. Manifolds are available in 2- to 4-loop configurations depending on model. The manifold body (1" barrel diameter) ends have R32 threads as shown in the picture. Maximum recommended flow to the manifold is 14 gpm.

| Part no. | Part description | Dim. (body-outlets-body) | Pkg. qty. |
|----------|--------------------------------------|--------------------------|-----------|
| A2663222 | TruFLOW Jr. Isolation Valves, 2-loop | R32-R20-R32 | 1 |
| A2663223 | TruFLOW Jr. Isolation Valves, 3-loop | R32-R20-R32 | 1 |
| A2663224 | TruFLOW Jr. Isolation Valves, 4-loop | R32-R20-R32 | 1 |

TruFLOW Jr. valveless manifolds



TruFLOW Jr. valveless manifolds are used with either the TruFLOW Jr. return manifolds with isolation valves or the TruFLOW Jr. supply manifolds with balancing valves to complete the manifold set. TruFLOW Jr. valveless manifolds do not feature flow balancing or isolation capability. Manifolds are available in 2- to 4-loop configurations depending on model. The manifold body (1" barrel diameter) ends have R32 threads as shown in the picture. Maximum recommended flow to the manifold is 14 gpm.

| Part no. | Part description | Dim. (body-outlets-body) | Pkg. qty. |
|----------|-------------------------------|--------------------------|-----------|
| A2663202 | TruFLOW Jr. Valveless, 2-loop | R32-R20-R32 | 1 |
| A2663203 | TruFLOW Jr. Valveless, 3-loop | R32-R20-R32 | 1 |
| A2663204 | TruFLOW Jr. Valveless, 4-loop | R32-R20-R32 | 1 |

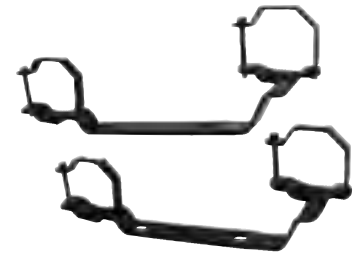
Radiant and hydronic piping systems

TruFLOW manifold accessories

TruFLOW manifold mounting brackets are used to mount TruFLOW Classic and TruFLOW Jr. manifolds. Brackets are made of durable metal and are offset front-to-back and side-to-side for ease of installation. Two brackets are required for each manifold location.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2620021 | TruFLOW Classic Manifold Mounting Bracket, single bracket replacement part | 10 |
| A2640021 | TruFLOW Jr. Manifold Mounting Bracket, single bracket replacement part | 10 |

TruFLOW manifold mounting brackets



End caps with vent close the end of TruFLOW Jr. manifolds. They come complete with a swivel drain valve and a manual air vent. Required gasket (A2620005) is included.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------|-----------|
| A2803250 | End Cap with Vent, R32 | 1 |

End caps with vent



Basic end caps close the end of TruFLOW Jr. manifolds. Required gaskets are included.

| Part no. | Part description | Pkg. qty. |
|----------|---------------------------------------|-----------|
| A2080032 | Basic End Cap, R32 | 10 |
| A2400032 | Basic End Cap Gasket, spare part, R32 | 10 |

Basic end caps



Manifold supply and return ball valves are full-flow, 1/4" ball valves with R32 male by R32 union nut that fits directly on the TruFLOW Jr., Classic and EP manifolds.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2631250 | Manifold Supply and Return Ball Valves with Filter and Temperature Gauge, set of 2 | 1 |
| A2631251 | Manifold Supply and Return Ball Valves with Temperature Gauges, set of 2 | 1 |
| A2631252 | Manifold Supply and Return Ball Valves, set of 2 | 1 |
| A2610120 | Temperature Gauge with Well, replacement part | 10 |

Manifold supply and return ball valves



Radiant and hydronic piping systems

TruFLOW manifold coupling nipples



TruFLOW manifold coupling nipples feature male BSP thread on both ends and are used to make the connection between manifold parts. Primary seal for the connection is made with the attached O-ring on the nipple. Thread sealant on the nipple ensures tight bonding between the nipple and the manifold. Use silicone lubricant on the male threads to ease installation.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2621010 | TruFLOW Manifold Coupling Nipple, 1¼" BSP x 1¼" BSP | 10 |

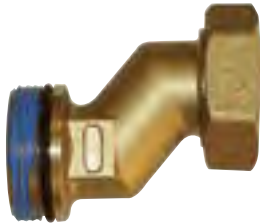
TruFLOW classic manifold elbow unions



TruFLOW Classic manifold elbow unions feature an R32 union by 1¼" BSP male connection. They are designed to make tight, 90-degree turns from the TruFLOW Classic manifold supply and return connections. Use silicone lubricant on the male threads to ease installation.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2620090 | TruFLOW Classic Manifold Elbow Union, R32 Union x 1¼" BSP | 10 |

TruFLOW classic manifold offset unions



The TruFLOW Classic manifold offset unions feature an R32 union by 1¼" BSP male connection. They are designed for easy alignment of the supply and return piping at the manifold. Use silicone lubricant on the male threads to ease installation.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2620045 | TruFLOW Classic Manifold Offset Union, R32 Union x 1¼" BSP | 10 |

TruFLOW classic manifold extension kits



The TruFLOW Classic manifold extension kits are designed for easy in-line extension of up to two additional loops for the TruFLOW Classic manifold assembly. The kit contains two 1¼" BSP nipples, one supply manifold, one return manifold and two loop end caps. Use silicone lubricant on the male threads to ease installation.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2610100 | TruFLOW Classic Manifold Extension Kit, 2 loops | 1 |

TruFLOW manifold actuator adapters



TruFLOW manifold actuator adapters and spacer rings convert the manifold actuator threads to fit Uponor thermal actuators (A3023522). The brass adapter is included with the TruFLOW manifolds (Jr. and Classic). The spacer ring is included in the actuator packaging.

Note: Use only with TruFLOW Jr. and Classic manifolds.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2630028 | TruFLOW Manifold Actuator Adapter, replacement part | 10 |
| A2870100 | Spacer Ring VA31H for Thermal Actuators | 10 |

Radiant and hydronic piping systems

Hex keys are used on the supply manifold to adjust the flow rate across the loop for balancing. Each manifold is shipped with a hex key for balancing.

TruFLOW manifold balancing hex keys

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2620002 | TruFLOW Manifold Balancing Hex Key, replacement part | 10 |



Use TruFLOW visual flow meters on TruFLOW Jr. and TruFLOW Classic manifolds to accurately measure the flow of hydronic radiant loops.

Note: For proper operation, install flow meters on the return manifold.

TruFLOW visual flow meters

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2640015 | TruFLOW Visual Flow Meter, 0.15 to 0.8 gpm | 10 |
| A2640027 | TruFLOW Visual Flow Meter, 0.25 to 2.0 gpm | 10 |
| A2620009 | Replacement O-ring for TruFLOW Flow/Temperature Meter | 10 |



TruFLOW manifold loop temperature gauges come with a QS20 female union on one end and a QS20 male on the other. Temperature gauge with well and removable temperature gauge are included.

TruFLOW manifold loop temperature gauges

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2610020 | TruFLOW Manifold Loop Temperature Gauge | 10 |
| A2610120 | Temperature Gauge with Well, replacement part | 10 |



Use replacement gaskets and O-rings on TruFLOW manifolds.

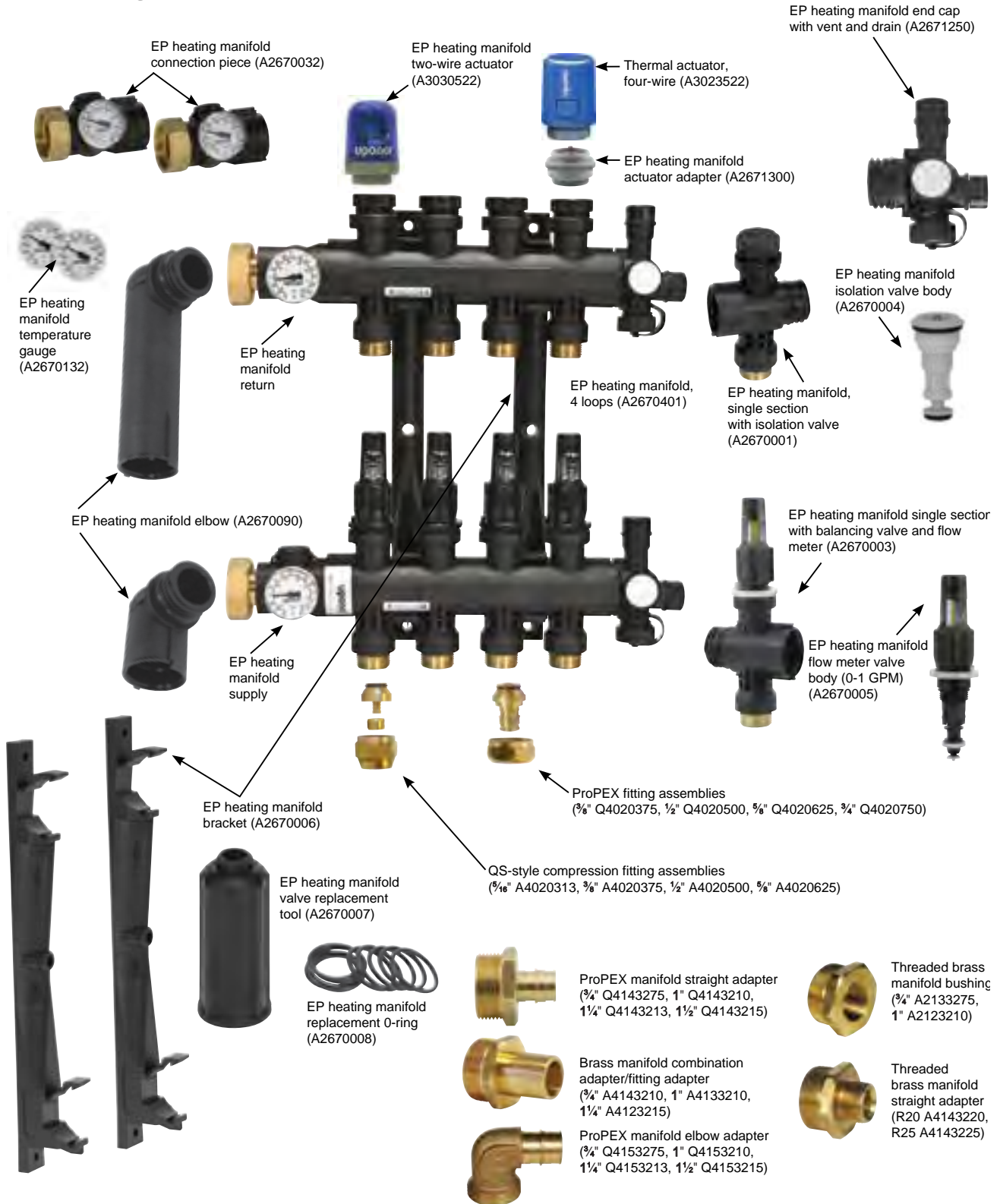
Replacement and spare parts for manifolds

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2620005 | Replacement Gasket for R32 Union Connections | 10 |
| A2620008 | Replacement O-ring for 1¼" BSP Connections | 10 |
| A2620009 | Replacement O-ring for TruFLOW Flow/Temperature Meter | 10 |
| A2400020 | Brass Manifold Loop End Cap Gasket, spare part | 10 |
| A2640004 | Replacement O-ring for 1" BSP Manifold Connections | 10 |
| A2400032 | Basic End Cap Gasket, spare part, R32 | 10 |



Radiant and hydronic piping systems

EP heating manifolds exploded view



Radiant and hydronic piping systems

EP heating manifolds

EP heating manifold assemblies feature isolation valves and balancing valves with flow meters, and come fully assembled, ready for installation. The manifolds are available in 2- through 8-loop configurations with a maximum flow of 15.4 gpm. The body ends feature R32 unions and the loop outlets have R20 male threads. The manifold mounts on a bracket (A2670006) that comes with the assembly.

Pressure and temperature ratings:

- 87 psi at 140°F
- 72 psi at 158°F
- 58 psi at 176°F
- 44 psi at 194°F

Note: When mounting EP heating manifolds in a cabinet, use EP heating manifold wall cabinet bracket kits (A2603588). If using glycol, use only propylene glycol. Do not use ethylene glycol.

EP heating manifolds



| Part no. | Part description | Dim. (body-outlets-body) | Pkg. qty. |
|----------|--|-----------------------------|-----------|
| A2670201 | EP Heating Manifold Assembly with Flow Meter, 2-loop | R32-R20-R32 | 1 |
| A2670301 | EP Heating Manifold Assembly with Flow Meter, 3-loop | R32-R20-R32 | 1 |
| A2670401 | EP Heating Manifold Assembly with Flow Meter, 4-loop | R32-R20-R32 | 1 |
| A2670501 | EP Heating Manifold Assembly with Flow Meter, 5-loop | R32-R20-R32 | 1 |
| A2670601 | EP Heating Manifold Assembly with Flow Meter, 6-loop | R32-R20-R32 | 1 |
| A2670701 | EP Heating Manifold Assembly with Flow Meter, 7-loop | R32-R20-R32 | 1 |
| A2670801 | EP Heating Manifold Assembly with Flow Meter, 8-loop | R32-R20-R32 | 1 |

Radiant and hydronic piping systems

EP heating manifold accessories

Manifold supply and return ball valves



Manifold supply and return ball valves are full-flow, 1¼" ball valves with R32 male by R32 union nut that fits directly on the TruFLOW Jr., Classic and EP manifolds.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2631250 | Manifold Supply and Return Ball Valves with Filter and Temperature Gauge, set of 2 | 1 |
| A2631251 | Manifold Supply and Return Ball Valves with Temperature Gauges, set of 2 | 1 |
| A2631252 | Manifold Supply and Return Ball Valves, set of 2 | 1 |

EP heating manifold single sections with isolation valve



EP heating manifold single sections with isolation valve are a single loop add-on used on the return side for EP heating manifold assemblies (A2670201 through A2670801).

| Part no. | Part description | Dim. (body-outlets-body) | Pkg. qty. |
|----------|---|--------------------------|-----------|
| A2670001 | EP Heating Manifold Single Section with Isolation Valve | R32-R20-R32 | 1 |

EP heating manifold single sections with balancing valve and flow meter



EP heating manifold single sections with balancing valve and flow meter (0-1 gpm) are a single loop add-on used on the supply side for EP heating manifold assemblies (A2670201 through A2670801).

| Part no. | Part description | Dim. (body-outlets-body) | Pkg. qty. |
|----------|--|--------------------------|-----------|
| A2670003 | EP Heating Manifold Single Section with Balancing Valve and Flow Meter | R32-R20-R32 | 1 |

EP heating manifold connection pieces



EP heating manifold connection pieces connect the manifold to the supply and return piping. Connection fitting size is an R32 union.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2670032 | EP Heating Manifold Connection Piece, set of 2 | 1 |

Radiant and hydronic piping systems

EP heating manifold elbows enable connections to supply and return piping from above or below. The two elbows feature different lengths to accommodate tube spacing for the supply and return lines.

EP heating manifold elbows

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------------|-----------|
| A2670090 | EP Heating Manifold Elbow, set of 2 | 1 |



EP heating manifold end caps with vent and drain allow filling and purging at the manifold.

EP heating manifold end caps with vent and drain

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2671250 | EP Heating Manifold End Cap with Vent and Drain, set of 2 | 1 |



EP heating manifold mounting brackets mount manifold assemblies to a wall.

EP heating manifold mounting brackets

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2670006 | EP Heating Manifold Mounting Bracket, set of 2 | 1 |



EP heating manifold wall cabinet brackets enable mounting EP heating manifolds in a manifold wall cabinet.

EP heating manifold wall cabinet brackets

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2603588 | EP Heating Manifold Wall Cabinet Bracket Kit, set of 2 | 1 |



Radiant and hydronic piping systems

EP heating manifold actuator adapters



EP heating manifold actuator adapters connect the four-wire thermal actuators (A3023522) onto the EP heating manifold. This adapter is included with the A3023522 four-wire thermal actuator.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2671300 | EP Heating Manifold Actuator Adapter (VA02) | 10 |

EP heating manifold isolation valve bodies



EP heating manifold isolation valve bodies replace the isolation valve on the return manifold.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2670004 | EP Heating Manifold Isolation Valve Body, replacement part | 1 |

EP heating manifold flow meter valve bodies



EP heating manifold flow meter valve bodies (0-1 GPM) replace the flow meter valve on the supply manifold.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2670005 | EP Heating Manifold Flow Meter Valve Body, replacement part | 1 |

Radiant and hydronic piping systems

EP heating manifold temperature gauges display the supply and return temperature on the manifold. They snap into the connection piece (A2670032) on the manifold.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2670132 | EP Heating Manifold Temperature Gauge, set of 2 | 1 |

EP heating manifold temperature gauges



EP heating manifold valve replacement tools facilitate replacing the isolation valve bodies (A2670004) and flow meter valve bodies (A2670005).

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2670007 | EP Heating Manifold Valve Replacement Tool | 1 |

EP heating manifold valve replacement tools



EP heating replacement O-rings allow a proper seal between body parts on the manifold.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2670008 | EP Heating Manifold Replacement O-ring 28.5 x 3mm EPDM | 10 |

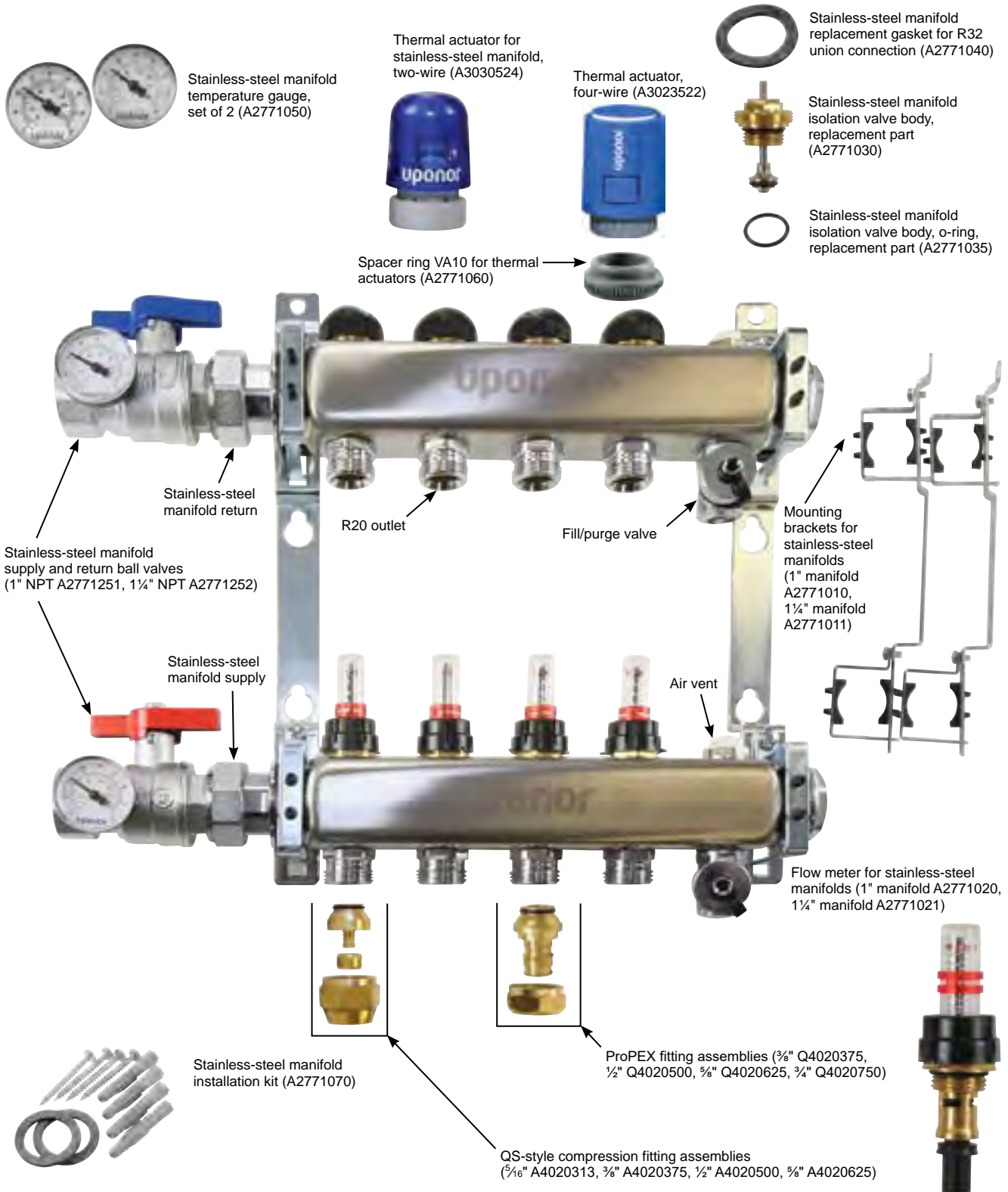
EP heating manifold replacement O-rings



Radiant and hydronic piping systems

Stainless-steel manifolds exploded view

Radiant and hydronic piping systems



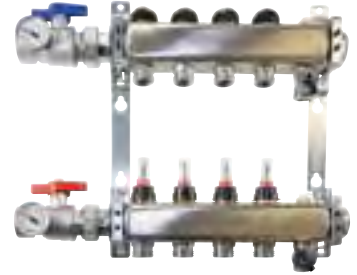
Radiant and hydronic piping systems

Stainless-steel manifolds

Stainless-steel manifolds feature isolation valves, balancing valves with flow meters, supply and return ball valves with temperature gauges, and come fully assembled, ready for installation. Targeted for commercial and residential radiant heating and cooling applications, the manifolds are available in 1" and 1/4" sizes. All manifold supply and return ball valves feature 1" NPT thread except for 1/4" manifold assemblies with 8, 10 and 12 loops which feature 1/4" NPT.

Note: The 1/4" manifolds with 2 through 7 loops are strategically designed with 1" NPT ball valves to avoid adding extra costs while maintaining the maximum flow of the manifold assembly.

Stainless-steel manifolds



| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2700202 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 2 loops | 1 |
| A2700302 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 3 loops | 1 |
| A2700402 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 4 loops | 1 |
| A2700502 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 5 loops | 1 |
| A2700602 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 6 loops | 1 |
| A2700702 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 7 loops | 1 |
| A2700802 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 8 loops | 1 |
| A2701002 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 10 loops | 1 |
| A2701202 | Stainless-steel Manifold Assembly, 1" with flow meter, B&I, ball valve, 12 loops | 1 |
| A2720202 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 2 loops | 1 |
| A2720302 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 3 loops | 1 |
| A2720402 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 4 loops | 1 |
| A2720502 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 5 loops | 1 |
| A2720602 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 6 loops | 1 |
| A2720702 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 7 loops | 1 |
| A2720802 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 8 loops | 1 |
| A2721002 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 10 loops | 1 |
| A2721202 | Stainless-steel Manifold Assembly, 1/4" with flow meter, B&I, ball valve, 12 loops | 1 |

Radiant and hydronic piping systems

Stainless-steel manifold accessories

Stainless-steel manifold supply and return ball valves



Stainless-steel manifold supply and return ball valves are R32 male by 1" FNPT or R32 male by 1¼" FNPT that fit directly on the stainless-steel manifold assemblies. The ball valves come standard with temperature gauges for easy visual check of supply and return temperatures.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2771251 | Stainless-steel Manifold Supply and Return 1" FNPT Ball Valve with Temperature Gauge, set of 2 | 1 |
| A2771252 | Stainless-steel Manifold Supply and Return 1¼" FNPT Ball Valve with Temperature Gauge, set of 2 | 1 |

Stainless-steel manifold mounting brackets



Stainless-steel manifold mounting brackets are used to mount Uponor Stainless-steel manifolds. Brackets are made of durable metal and are offset front-to-back and side-to-side for ease of installation. Two brackets are required for each manifold location.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2771010 | Mounting Bracket for Stainless-steel Manifold, 1", replacement part, set of 2 | 1 |
| A2771011 | Mounting Bracket for Stainless-steel Manifold, 1¼", replacement part, set of 2 | 1 |

Stainless-steel manifold temperature gauges



Stainless-steel manifold temperature gauges display the supply and return temperature on the manifold.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2771050 | Stainless-steel Manifold Temperature Gauge, set of 2 | 1 |

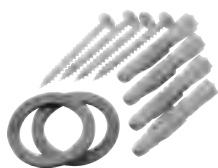
Stainless-steel manifold flow meters



Stainless-steel manifolds all come standard with balancing valves and flow meters. These components are fixed to the supply side of the manifold and are used to balance and correct the flow of water or water/glycol mix through the manifold.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2771020 | Stainless-steel Manifold Flow Meter 1.5 GPM Valve Body, replacement part | 1 |
| A2771021 | Stainless-steel Manifold Flow Meter 2 GPM Valve Body, replacement part | 1 |

Stainless-steel manifold installation kit



Stainless-steel manifold installation kit facilitates installation of stainless-steel manifolds.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2771070 | Stainless-steel Manifold Installation Kit | 1 |

Radiant and hydronic piping systems

Stainless-steel manifolds all come standard with isolation valves for easy loop isolation. These components are fixed to the return side of the manifold and are used to shut off the flow of water or water/glycol mix through the manifold port.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A2771030 | Stainless-steel Manifold Isolation Valve Body, replacement part | 1 |
| A2771035 | O-ring for Stainless-steel Manifold Isolation Valve Body | 10 |

Stainless-steel manifold isolation valve bodies



Spacer rings connect thermal actuators (A3023522) onto stainless-steel manifolds. These adapters are included with the four-wire thermal actuator (A3023522).

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2771060 | Spacer Ring VA10 for Thermal Actuators | 5 |

Stainless-steel manifold thermal actuator adapters



Stainless-steel manifold replacement gaskets are for use with R32 union connections.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2771040 | Stainless-steel Manifold Replacement Gasket for R32 Union Connection | 10 |

Stainless-steel manifold replacement gaskets



Supply and return manifold adapters and fittings

ProPEX manifold adapters for brass manifolds transition from the R32 manifold union nut to 3/4", 1", 1 1/4" and 1 1/2" Uponor PEX tubing.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4143275 | ProPEX Manifold Straight Adapter, R32 x 3/4" ProPEX | 10 |
| Q4143210 | ProPEX Manifold Straight Adapter, R32 x 1" ProPEX | 10 |
| Q4143213 | ProPEX Manifold Straight Adapter, R32 x 1 1/4" ProPEX | 10 |
| Q4143215 | ProPEX Manifold Straight Adapter, R32 x 1 1/2" ProPEX | 10 |
| Q4153275 | ProPEX Manifold Elbow Adapter, R32 x 3/4" ProPEX | 10 |
| Q4153210 | ProPEX Manifold Elbow Adapter, R32 x 1" ProPEX | 10 |
| Q4153213 | ProPEX Manifold Elbow Adapter, R32 x 1 1/4" ProPEX | 10 |
| Q4153215 | ProPEX Manifold Elbow Adapter, R32 x 1 1/2" ProPEX | 10 |

ProPEX manifold adapters



Radiant and hydronic piping systems

Brass manifold combination adapter/fitting adapters



Brass manifold adapters allow either a straight copper pipe or a copper fitting adapter to sweat to the brass manifold adapter. The R32 side couples with the R32 union connection on the brass manifolds.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4143210 | Brass Manifold Adapter, R32 x 3/4" Adapter or 1" Fitting Adapter | 10 |
| A4133210 | Brass Manifold Adapter, R32 x 1" Adapter or 1 1/4" Fitting Adapter | 10 |
| A4123215 | Brass Manifold Adapter, R32 to 1 1/4" Adapter or 1 1/2" Fitting Adapter | 10 |

Threaded brass manifold straight adapters and bushings



Threaded brass manifold straight adapters and bushings transition the R32 manifold union nut to PEX or MLC tubing with QS-style fittings.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4143220 | Threaded Brass Manifold Straight Adapter, R32 Male x R20 Male | 10 |
| A4143225 | Threaded Brass Manifold Straight Adapter, R32 Male x R25 Male | 10 |
| A2133275 | Threaded Brass Manifold Bushing, R32 Male x 3/4" Female NPT | 10 |
| A2123210 | Threaded Brass Manifold Bushing, R32 Male x 1" Female NPT | 10 |

Brass manifold pressure test kits



Brass manifold pressure test kits contain an R32 x 3/4" manifold bushing, an R32 solid brass plug, a 3/4" brass nipple and a pressure gauge assembly (100psi). Schraeder valve is included.

| Part no. | Part description | Pkg. qty. |
|----------|----------------------------|-----------|
| E6122000 | Manifold Pressure Test Kit | 1 |

Brass manifold loop end caps



Brass manifold loop end caps close off unused R20 manifold loop connections. Install supplied brass manifold loop end cap gaskets (A2400020) with the loop end caps to ensure a proper seal.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A2080020 | Brass Manifold Loop End Cap, R20 | 10 |
| A2400020 | Brass Manifold Loop End Cap Gasket, spare part | 10 |

Radiant and hydronic piping systems

Manifold loop fitting assemblies

ProPEX manifold fitting assemblies with ProPEX insert connect $\frac{3}{8}$ " through $\frac{3}{4}$ " Uponor PEX tubing to stainless-steel, brass and EP heating manifolds. Sold as a two-piece assembly, they include a ProPEX insert and R20 swivel nut.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4020375 | $\frac{3}{8}$ " ProPEX Fitting Assembly, R20 Thread | 10 |
| Q4020500 | $\frac{1}{2}$ " ProPEX Fitting Assembly, R20 Thread | 10 |
| Q4020625 | $\frac{5}{8}$ " ProPEX Fitting Assembly, R20 Thread | 10 |
| Q4020750 | $\frac{3}{4}$ " ProPEX Fitting Assembly, R20 Thread | 10 |

ProPEX manifold fitting assemblies with ProPEX insert connect $\frac{5}{8}$ " and $\frac{3}{4}$ " Uponor PEX tubing to other R25 male threaded fittings. Sold as a two-piece assembly, they include a ProPEX insert and R25 swivel nut.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4030625 | $\frac{5}{8}$ " ProPEX Fitting Assembly, R25 thread | 10 |
| Q4030750 | $\frac{3}{4}$ " ProPEX Fitting Assembly, R25 Thread | 10 |

ProPEX manifold fitting assemblies



QS-style compression fitting assemblies connect $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ " and $\frac{5}{8}$ " Uponor PEX tubing to stainless-steel, brass and EP heating manifolds and R20 fittings. Sold as a three-piece assembly. QS-style compression rings and O-rings are also sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A4020313 | $\frac{5}{16}$ " QS-style Compression Fitting Assembly, R20 thread | 10 |
| A4020375 | $\frac{3}{8}$ " QS-style Compression Fitting Assembly, R20 thread | 10 |
| A4020500 | $\frac{1}{2}$ " QS-style Compression Fitting Assembly, R20 thread | 10 |
| A4020625 | $\frac{5}{8}$ " QS-style Compression Fitting Assembly, R20 thread | 10 |
| A4021116 | Replacement O-ring for insert (R20) | 10 |

QS-style compression fitting assemblies



QS-style compression fitting assemblies connect $\frac{5}{8}$ " and $\frac{3}{4}$ " Uponor PEX tubing to 2" copper valved manifolds and other R25 male-threaded fittings.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4030625 | $\frac{5}{8}$ " QS-style Compression Fitting Assembly, R25 thread | 10 |
| A4020750 | $\frac{3}{4}$ " QS-style Compression Fitting Assembly, R25 thread | 10 |
| A4021000 | Replacement O-ring for insert (R25) | 10 |

QS-style compression rings are replacement parts that are designed and tested for use with Uponor PEX tubing.

Note: Do not substitute similar compression rings.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A4160313 | $\frac{5}{16}$ " QS-style Compression Ring, spare part | 10 |
| A4160375 | $\frac{3}{8}$ " QS-style Compression Ring, spare part | 10 |
| A4160500 | $\frac{1}{2}$ " QS-style Compression Ring, spare part | 10 |
| A4160625 | $\frac{5}{8}$ " QS-style Compression Ring, spare part | 10 |
| A4160750 | $\frac{3}{4}$ " QS-style Compression Ring, spare part | 10 |

QS-style compression rings



Radiant and hydronic piping systems

Copper manifolds

2" copper valved manifold with ProPEX ball valves



Copper valved manifolds with ProPEX ball valves are made of type L copper and feature 5/8" and 3/4" nominal branches that are 4" on center. The manifolds are available in 12-outlet configurations. The maximum recommended flow to the manifold based on manifold body diameter is 45 gpm.

Note: ProPEX tool is required. ProPEX rings must be purchased separately.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q2811263 | 2" x 4' Copper Valved Manifold with 5/8" ProPEX Ball Valves, 12 outlets | 1 |
| Q2811275 | 2" x 4' Copper Valved Manifold with 3/4" ProPEX Ball Valves, 12 outlets | 1 |
| Q2821263 | 2" x 4' Copper Valved Manifold with 5/8" ProPEX Ball and Balancing Valves, 12 outlets | 1 |
| Q2821275 | 2" x 4' Copper Valved Manifold with 3/4" ProPEX Ball and Balancing Valves, 12 outlets | 1 |
| F2811220 | 2" x 4' Copper Valved Manifold with R20 Threaded Ball Valves, 12 outlets | 1 |
| F2811225 | 2" x 4' Copper Valved Manifold with R25 Threaded Ball Valves, 12 outlets | 1 |
| F2821220 | 2" x 4' Copper Valved Manifold with R20 Threaded Ball and Balancing Valves, 12 outlets | 1 |
| F2821225 | 2" x 4' Copper Valved Manifold with R25 Threaded Ball and Balancing Valves, 12 outlets | 1 |

Note: Other non-standard configurations are available on a made-to-order basis. Allow six to eight weeks lead time. Call Uponor customer service at 888.594.7726 for pricing and availability.

2" copper valveless manifolds with ProPEX connections



Copper valveless manifolds (type L copper) feature either 5/8" or 3/4" branches, come 4" on center, and are available in 12-outlet configurations.

Note: ProPEX tool is required. ProPEX rings must be purchased separately. Special order only; allow four weeks for delivery.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q2831263 | 2" x 4' Copper Valveless Manifold with 5/8" ProPEX, 12 outlets | 1 |
| Q2831275 | 2" x 4' Copper Valveless Manifold with 3/4" ProPEX, 12 outlets | 1 |

Radiant and hydronic piping systems

Copper valved manifold accessories include various valves and end caps for use with Uponor copper valved manifolds.

Copper valved manifold accessories

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q5806375 | ProPEX Ball Valve, 5/8" PEX x 3/4" Copper Adapter | 10 |
| Q5807575 | ProPEX Ball Valve, 3/4" PEX x 3/4" Copper Adapter | 10 |
| Q5906375 | ProPEX Ball and Balancing Valve, 5/8" PEX x 3/4" Copper Adapter | 10 |
| Q5907575 | ProPEX Ball and Balancing Valve, 3/4" PEX x 3/4" Copper Adapter | 10 |
| A5802075 | Ball Valve, R20 Thread x 3/4" Copper Adapter | 10 |
| A5802575 | Ball Valve, R25 Thread x 3/4" Copper Adapter | 10 |
| A5902075 | Ball and Balancing Valve, R20 Thread x 3/4" Copper Adapter | 10 |
| A5902575 | Ball and Balancing Valve, R25 Thread x 3/4" Copper Adapter | 10 |
| A2402000 | 2" Copper End Cap Spun End with drain and vent connections | 1 |



HDPE manifolds

Multiple-outlet HDPE valveless manifolds are manufactured with 3/4" or 1" 303 stainless-steel ProPEX fittings hydraulically pressed onto the outlet nipples. ProPEX connection and manifold are maintenance-free and suitable for direct burial. They are ideal for applications larger than 5,000 square feet or where flow requirements are greater than the capacity of other Uponor manifolds. HDPE valveless manifolds come with standard 12", on-center outlet spacing. The maximum recommended flow rates for these manifolds are: 2", 41 gpm; 3", 116 gpm; 4", 226 gpm. HDPE manifolds and accessories are made for SDR11 tubing and PE 3408 material and can be used together with Ecoflex® potable HDPE products.

HDPE valveless manifolds



Note: ProPEX tool is required. Only use in systems free of corrodible components or when there is corrosion control. The temperature limitation is 140°F at 80psi. HDPE manifolds and other non-standard configurations are made-to-order. Allow six to eight weeks lead time. Call Uponor Customer Service at 888.594.7726 for availability and pricing.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| B2253751 | 3" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX | 1 |
| B2273101 | 3" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 1" ProPEX | 1 |
| B2253752 | 3" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX | 1 |
| B2273102 | 3" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX | 1 |
| B2254751 | 4" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX | 1 |
| B2274101 | 4" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 1" ProPEX | 1 |
| B2254752 | 4" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX | 1 |
| B2274102 | 4" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX | 1 |

Radiant and hydronic piping systems

Hydronic valves and accessories

Thermal mixing valves



Thermal mixing valves thermostatically control water temperature ranges between 80°F and 165°F. The non-corrosive reactive valves feature 1" nominal sweat union connections and a C_v of 2.52.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------------|-----------|
| A5402112 | 1' Thermal Mixing Valve with Union | 1 |
| A5400012 | 1" Union Replacement Gasket | 3 |

ProPEX brass ball valves



ProPEX brass ball valves are a cost-effective alternative for radiant heating/cooling and hydronic piping applications. Both ends are manufactured with the ProPEX fitting for connections to Uponor PEX pipe. The full-port valves are compatible with propylene glycol mixtures up to 50%. Stem extensions can be installed to accommodate up to 2" of pipe insulation.

Note: ProPEX brass ball valves are not approved for potable-water applications.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A3205050 | ProPEX Brass Ball Valve ½" PEX x ½" PEX | 10 |
| A3207575 | ProPEX Brass Ball Valve ¾" PEX x ¾" PEX | 10 |
| A3201010 | ProPEX Brass Ball Valve 1" PEX x 1" PEX | 1 |
| A3201313 | ProPEX Brass Ball Valve 1¼" PEX x 1¼" PEX | 1 |
| A3201515 | ProPEX Brass Ball Valve 1½" PEX x 1½" PEX | 1 |
| A3202020 | ProPEX Brass Ball Valve 2" PEX x 2" PEX | 1 |
| F5630001 | 2⅜" Stem Extension Kit for ½" and ¾" Valves | 1 |
| F5630002 | 2⅝" Stem Extension Kit for 1" and 1¼" Valves | 1 |
| F5630003 | 2⅞" Stem Extension Kit for 1½" and 2" Valves | 1 |

Radiant and hydronic piping systems

Climate Control Zoning System II (wireless)

Wireless base units support up to six thermostats and eight actuators (sold separately). The units receive information from the thermostats to open and close the connected actuator(s) and control the flow of water through the loops of PEX tubing in radiant heating systems or supply lines for baseboard applications. The units come with an antenna that mounts directly to the case along with a cable that can be used to remote mount the antenna outside of a metal manifold cabinet. They require 24 VAC for power which can be supplied using the A3500050 50VA transformer. Mounting hardware is included.

Note: Not compatible with previous A360 Climate Control Zoning System products.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------------|-----------|
| A3801165 | Wireless Base Unit, 6 zones (X-165) | 1 |

Wireless base units



Wireless base unit expansion modules easily connect to wireless base units to add an additional six thermostats and six actuators (for a total of 12 thermostats and 14 actuators in the system).

Tip: The antenna will need to be disconnected and reinstalled on the expansion module when expanding the number of zones.

Note: Not compatible with previous A360 Climate Control Zoning System products.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A3801160 | Wireless Base Unit Expansion Module, 6 zones (M-160) | 1 |

Wireless expansion modules



Wireless digital thermostats provide total freedom of thermostat placement to ensure the best control of a radiant heating system. The thermostat can send a demand for heating up to 98 ft. to a wireless base unit (through normal construction). The back-lit digital display can be configured to Fahrenheit (°F) or Celsius (°C) and shows when the area is actively heating. The thermostat's setpoint temperature range is adjustable from 41°F to 96°F and it can be used with an optional floor sensor (sold separately). It uses two standard AAA batteries (included) and features a low-battery status.

Note: Not compatible with previous A360 Climate Control Zoning System products.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------------|-----------|
| A3800167 | Wireless Digital Thermostat (T-167) | 1 |
| A9010599 | Slab Sensor, 10k | 1 |

Wireless digital thermostats



Wireless dial thermostats provide total freedom of thermostat placement to ensure the best control of a radiant heating system. The thermostat can send a demand for heating up to 98 ft. to a wireless base unit (through normal construction). The thermostat includes a blue ring around the dial that illuminates when the set temperature is adjusted. An orange LED will illuminate when there is an active heating demand or a low-battery status. Setpoint temperature range is adjustable from 41°F to 96°F, and default temperature is 68°F. The thermostat uses two standard AAA batteries (included).

Note: Not compatible with previous A360 Climate Control Zoning System products.

| Part no. | Part description | Pkg. qty. |
|----------|----------------------------------|-----------|
| A3800165 | Wireless Dial Thermostat (T-165) | 1 |

Wireless dial thermostats



Radiant and hydronic piping systems

Zoning controls (wired)

Heat-only thermostats with touchscreen



Heat-only thermostats with touchscreen are designed specifically for radiant floor heating. They use fully automatic differential and pulse width modulation (PWM) to ensure each zone or area is comfortable and energy efficient. The touchscreen provides a simple, intuitive display with large, easy-to-read numbers. The thermostat can control room temperature through operative temperature sensing, an optional floor sensor or a combination of both. The floor sensor can be used to maintain warm floors throughout the heating season as well as provide temperature limit protection. The thermostat is designed to operate using two wires, making it simple to install and service.

| Part no. | Part description | Pkg. qty. |
|----------|---------------------------------------|-----------|
| A3100101 | Heat-only Thermostat with Touchscreen | 1 |
| A9010599 | Slab Sensor, 10k | 1 |

SetPoint 521 programmable thermostats



SetPoint 521 programmable thermostats are designed to sense air, floor or both temperatures with the ability to select one or the other as the primary sensing point. The thermostats also include multistage functionality along with programmable schedules.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A3040521 | SetPoint 521, Programmable Thermostat with floor sensor | 1 |
| A3040012 | Cover Plate for SetPoint 521 Programmable Thermostat | 1 |
| A3040079 | Floor Sensor, replacement part | 1 |
| A3040007 | Cover Plate for 500 Series Controllers | 10 |

Zone control modules



Zone control modules provide connection between thermostats and their respective actuators or zone valves as well as the connection between the end switches and the pump or boiler relay. They are compatible for use with all two-wire and four-wire Uponor actuators. The modules are internally fused for protection from over current or direct shorts from the power supply transformer. The end switch circuit is also protected from over current, and a two-amp fuse is factory installed.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A3031003 | Three-zone Control Module for Two and Four-wire Operation | 1 |
| A3031004 | Four-zone Control Module for Two and Four-wire Operation | 1 |
| A3030009 | Replacement Fuse (2 amps), 4/pkg. | 1 |
| A3030010 | Replacement Fuse (4 amps), 4/pkg. | 1 |

Radiant and hydronic piping systems

Powered zone controllers include transformers for low-voltage operations and relays to operate line-voltage controls. Fully fuse-protected, they also include an isolated end switch and built-in domestic hot water (DHW) priority switch. The indicator lights show full functionality of the products wired to the controllers. A three-amp delay fuse protects four-zone controllers. A seven-amp delay fuse protects six-zone controllers.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------|-----------|
| A3080404 | Powered Four-zone Controller | 1 |
| A3080406 | Powered Six-zone Controller | 1 |

Powered zone controllers



Two-wire, slow-opening thermal actuators mount directly onto TruFLOW Classic, TruFLOW Jr. valved, stainless-steel and EP heating manifolds to provide individual-loop flow control on a multi-zoned manifold (a manifold serving more than one zone).

Note: See actuator-to-manifold compatibility table on [page 81](#).

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A3030522 | Two-wire Thermal Actuator for EP Heating Manifolds | 1 |
| A3030523 | Two-wire Thermal Actuator for TruFLOW Classic and Jr. Valved Manifolds | 1 |
| A3030524 | Two-wire Thermal Actuator for Stainless-steel Manifolds | 1 |

Two-wire thermal actuators



Radiant and hydronic piping systems

Four-wire thermal actuators



Four-wire thermal actuators mount directly onto TruFLOW Classic, TruFLOW Jr. valved, stainless-steel and EP heating manifolds. The actuators provide individual loop flow control on multi-zoned manifolds and feature an end switch for activation of a relay (pump), heat plant or other auxiliary devices. All adapter rings to mount to Uponor manifolds are included in the package.

Note: See actuator-to-manifold compatibility table on **page 81**.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A3023522 | Thermal Actuator, four-wire | 1 |
| A2870100 | Spacer Ring VA31H for Thermal Actuators | 10 |
| A2771060 | Spacer Ring VA10 for Thermal Actuators | 5 |
| A2671300 | EP Heating Manifold Actuator Adapter (VA02) | 10 |
| A3019900 | Spacer Ring VA33 for White Thermal Actuators | 5 |

Thermal zone valves



Thermal zone valves (24 VAC) feature 3/4" and 1" sweat connections. They provide flow control for single-zoned manifolds (manifolds serving one zone). The valves include an end switch for activation of a relay (pump), heat plant or other auxiliary devices.

| Part no. | Part description | Pkg. qty. |
|----------|--------------------------------|-----------|
| A3011075 | 3/4" and 1" Thermal Zone Valve | 1 |
| A5400012 | 1" Union Replacement Gasket | 3 |

Radiant and hydronic piping systems

Three-way mixing valves are microprocessor-controlled valves designed to regulate supply-water temperatures to radiant heating systems by modulating the position of the valve. Configure mixed supply water temperature to reset (or vary) based on the outdoor temperature or control to a fixed, constant temperature. Use optional boiler sensor to provide protection in non-condensing boiler applications.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A3040075 | 3/4" Three-way Mixing Valve, (C _v =4.5) | 1 |
| A3040100 | 1" Three-way Mixing Valve, (C _v =4.5) | 1 |
| A5400012 | 1" Union Replacement Gasket | 3 |

Three-way mixing valves



Single-zone pump relays control the operation of a single circulator or pump from a 24-volt signal. Relay includes secondary low-voltage terminals for boiler operation.

Three-zone multi-pump relays control the operation of up to three pumps or circulators from dedicated 24-volt signals. Relay includes secondary low-voltage terminals for boiler operation and DHW priority options.

| Part no. | Part description | Pkg. qty. |
|----------|-----------------------------|-----------|
| A3010100 | Single-zone Pump Relay | 1 |
| A3080301 | Three-zone Multi-pump Relay | 1 |

Pump relays



50 VA transformers (24VAC) come with a 4" x 4" metal mounting plate

| Part no. | Part description | Pkg. qty. |
|----------|-------------------|-----------|
| A3050050 | 50 VA Transformer | 1 |

Transformers



Radiant and hydronic piping systems

Snow melt controls

Single-zone snow melt controls



Single-zone snow melt controls feature a microprocessor and sensor to effectively melt snow and ice from exterior surfaces. They include a 10K universal sensor and outdoor air sensor for basic control and operation.

Note: Refer to the accessories section for additional sensor options.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------|-----------|
| A3040654 | Single-zone Snow Melt Control | 1 |

Single-zone snow melt control accessories











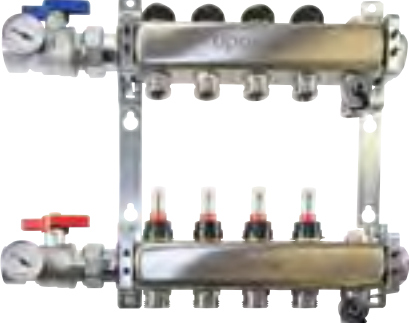





Single-zone snow melt control accessories include various sensors and sensor cups.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------------|-----------|
| A3040090 | Pavement Snow and Ice Sensor | 1 |
| A3040091 | Pavement Snow and Ice Sensor Cup | 1 |
| A3040095 | Aerial Snow Sensor | 1 |
| A3040073 | Slab Sensor for Aerial Snow Sensor | 1 |

Radiant and hydronic piping systems

Actuator-to-manifold compatibility table

| Manifolds | Two-wire actuators | Four-wire actuators |
|--|--|---|
| <p data-bbox="337 394 516 415">TruFLOW manifolds</p>  | <p data-bbox="620 394 1055 441">Two-wire Thermal Actuator for TruFLOW Classic and Jr. Valved Manifolds (A3030523)</p>  <p data-bbox="630 814 1042 835">TruFLOW Manifold Actuator Adapter (A2630028)</p>  | <p data-bbox="1117 394 1474 415">Four-wire Thermal Actuator (A3023522)</p>  <p data-bbox="1107 646 1484 693">Adapter Ring (A2870100) (female thread with green stem extension)</p>  <p data-bbox="1091 814 1497 835">TruFLOW Manifold Actuator Adapter (A2630028)</p>  |
| <p data-bbox="331 1003 522 1024">EP heating manifolds</p>  | <p data-bbox="688 1003 990 1050">Two-wire Thermal Actuator for EP Heating Manifolds (A3030522)</p>  | <p data-bbox="1084 1003 1442 1024">Four-wire Thermal Actuator (A3023522)</p>  <p data-bbox="1123 1289 1468 1335">Adapter Ring (A2671300) (male thread with red stem extension)</p>  |
| <p data-bbox="315 1516 539 1537">Stainless-steel manifolds</p>  | <p data-bbox="672 1516 1003 1562">Two-wire Thermal Actuator for Stainless-steel Manifolds (A3030524)</p>  | <p data-bbox="1117 1516 1474 1537">Four-wire Thermal Actuator (A3023522)</p>  <p data-bbox="1110 1810 1477 1831">Adapter Ring (A2771060) (female thread)</p>  |

Radiant and hydronic piping systems

ProPEX fittings

ProPEX rings



ProPEX rings are required to make ProPEX connections. The 1/2" through 3" rings include a leading-edge chamfer and integral stop edge to further simplify the use of ProPEX fittings.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------|-----------|
| Q4690302 | ProPEX Ring, 3/8" | 50 |
| Q4690512 | ProPEX Ring with Stop, 1/2" | 50 |
| Q4690625 | ProPEX Ring with Stop, 5/8" | 50 |
| Q4690756 | ProPEX Ring with Stop, 3/4" | 50 |
| Q4691000 | ProPEX Ring with Stop, 1" | 50 |
| Q4691250 | ProPEX Ring with Stop, 1 1/4" | 10 |
| Q4691500 | ProPEX Ring with Stop, 1 1/2" | 5 |
| Q4692000 | ProPEX Ring with Stop, 2" | 10 |
| Q4692500 | ProPEX Ring with Stop, 2 1/2" | 5 |
| Q4693000 | ProPEX Ring with Stop, 3" | 5 |

ProPEX couplings



ProPEX EP, LF brass and brass couplings make PEX-to-PEX connections.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-------------|---|-----------|
| Q4773838 | ProPEX EP Coupling, 3/8" PEX x 3/8" PEX | 25 |
| LF4543850 | ProPEX LF Brass Coupling, 3/8" PEX x 1/2" PEX | 25 |
| Q4775050 | ProPEX EP Coupling, 1/2" PEX x 1/2" PEX | 25 |
| ◀ LF4545050 | ProPEX LF Brass Coupling, 1/2" PEX x 1/2" PEX | 25 |
| Q4775075 | ProPEX EP Coupling, 1/2" PEX x 3/4" PEX | 25 |
| Q4776363 | ProPEX EP Coupling, 5/8" PEX X 5/8" PEX | 10 |
| Q4546363 | ProPEX Brass Coupling, 5/8" PEX x 5/8" PEX | 10 |
| Q4777575 | ProPEX EP Coupling, 3/4" PEX x 3/4" PEX | 25 |
| ◀ LF4547575 | ProPEX LF Brass Coupling, 3/4" PEX x 3/4" PEX | 25 |
| Q4777510 | ProPEX EP Coupling, 3/4" PEX x 1" PEX | 25 |
| ◀ LF4547510 | ProPEX LF Brass Coupling, 3/4" PEX x 1" PEX | 10 |
| Q4771010 | ProPEX EP Coupling, 1" PEX x 1" PEX | 10 |
| ◀ LF4541010 | ProPEX LF Brass Coupling, 1" PEX x 1" PEX | 10 |
| Q4771307 | ProPEX EP Coupling, 1 1/4" PEX x 3/4" PEX | 1 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Radiant and hydronic piping systems

| Part no. | Part description | Pkg. qty. |
|----------|---------------------------------------|-----------|
| Q4771310 | ProPEX EP Coupling, 1¼" PEX x 1" PEX | 1 |
| Q4771313 | ProPEX EP Coupling, 1¼" PEX x 1¼" PEX | 1 |
| Q4771507 | ProPEX EP Coupling, 1½" PEX x ¾" PEX | 1 |
| Q4771510 | ProPEX EP Coupling, 1½" PEX x 1" PEX | 1 |
| Q4771513 | ProPEX EP Coupling, 1½" PEX x 1¼" PEX | 1 |
| Q4771515 | ProPEX EP Coupling, 1½" PEX x 1½" PEX | 1 |
| Q4772015 | ProPEX EP Coupling, 2" PEX x 1½" PEX | 1 |
| Q4772020 | ProPEX EP Coupling, 2" PEX x 2" PEX | 1 |
| Q4772513 | ProPEX EP Coupling, 2½" PEX x 1¼" PEX | 1 |
| Q4772515 | ProPEX EP Coupling, 2½" PEX x 1½" PEX | 1 |
| Q4772520 | ProPEX EP Coupling, 2½" PEX x 2" PEX | 1 |
| Q4772525 | ProPEX EP Coupling, 2½" PEX x 2½" PEX | 1 |
| Q4773020 | ProPEX EP Coupling, 3" PEX x 2" PEX | 1 |
| Q4773025 | ProPEX EP Coupling, 3" PEX x 2½" PEX | 1 |
| Q4773030 | ProPEX EP Coupling, 3" PEX x 3" PEX | 1 |

ProPEX couplings



Radiant and hydronic piping systems

ProPEX elbows

ProPEX EP, LF brass and brass elbows make tight, 90-degree and 45-degree connections for Uponor PEX tubing in supply and return mains.

Note: ProPEX tool is required. ProPEX rings sold separately.



| Part no. | Part description | Pkg. qty. |
|-------------|---|-----------|
| Q4760500 | ProPEX EP Elbow, 1/2" PEX x 1/2" PEX | 25 |
| LF4710500 | ProPEX LF Brass Elbow, 1/2" PEX x 1/2" PEX | 25 |
| Q4710625 | ProPEX Brass Elbow, 5/8" PEX x 5/8" PEX | 25 |
| Q4760750 | ProPEX EP Elbow, 3/4" PEX x 3/4" PEX | 25 |
| LF4710750 | ProPEX LF Brass Elbow, 3/4" PEX x 3/4" PEX | 25 |
| Q4761000 | ProPEX EP Elbow, 1" PEX x 1" PEX | 10 |
| ◀ LF4711000 | ProPEX LF Brass Elbow, 1" PEX x 1" PEX | 10 |
| Q4761250 | ProPEX EP Elbow, 1 1/4" PEX x 1 1/4" PEX | 1 |
| Q4761500 | ProPEX EP Elbow, 1 1/2" PEX x 1 1/2" PEX | 1 |
| Q4761515 | ProPEX EP 45 Elbow, 1 1/2" PEX x 1 1/2" PEX | 1 |
| Q4762000 | ProPEX EP Elbow, 2" PEX x 2" PEX | 1 |
| Q4762020 | ProPEX EP 45 Elbow, 2" PEX x 2" PEX | 1 |
| Q4762500 | ProPEX EP Elbow, 2 1/2" PEX x 2 1/2" PEX | 1 |
| Q4762525 | ProPEX EP 45 Elbow, 2 1/2" PEX x 2 1/2" PEX | 1 |
| Q4763000 | ProPEX EP Elbow, 3" PEX x 3" PEX | 1 |
| Q4763030 | ProPEX EP 45 Elbow, 3" PEX x 3" PEX | 1 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Radiant and hydronic piping systems

ProPEX EP and LF brass tees make diverting connections for Uponor PEX tubing in supply and return mains. Branch size is listed last in the part description.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| Q4755050 | ProPEX EP Tee, 1/2" PEX x 1/2" PEX x 1/2" PEX | 25 |
| LF4705050 | ProPEX LF Brass Tee, 1/2" PEX x 1/2" PEX x 1/2" PEX | 25 |
| Q4757575 | ProPEX EP Tee, 3/4" PEX x 3/4" PEX x 3/4" PEX | 25 |
| LF4707575 | ProPEX LF Brass Tee, 3/4" PEX x 3/4" PEX x 3/4" PEX | 25 |
| Q4751010 | ProPEX EP Tee, 1" PEX x 1" PEX x 1" PEX | 10 |
| LF4701010 | ProPEX LF Brass Tee, 1" PEX x 1" PEX x 1" PEX | 10 |
| Q4751313 | ProPEX EP Tee, 1 1/4" PEX x 1 1/4" PEX x 1 1/4" PEX | 1 |
| Q4751515 | ProPEX EP Tee, 1 1/2" PEX x 1 1/2" PEX x 1 1/2" PEX | 1 |
| Q4752000 | ProPEX EP Tee, 2" PEX x 2" PEX x 2" PEX | 1 |
| Q4752500 | ProPEX EP Tee, 2 1/2" PEX x 2 1/2" PEX x 2 1/2" PEX | 1 |
| Q4753000 | ProPEX EP Tee, 3" PEX x 3" PEX x 3" PEX | 1 |

ProPEX tees



ProPEX EP and LF brass reducing tees make diverting connections for Uponor PEX tubing in supply and return mains. Branch size is listed last in the part description.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| Q4755575 | ProPEX EP Reducing Tee, 1/2" PEX x 1/2" PEX x 3/4" PEX | 25 |
| Q4757555 | ProPEX EP Reducing Tee, 3/4" PEX x 1/2" PEX x 1/2" PEX | 25 |
| Q4757557 | ProPEX EP Reducing Tee, 3/4" PEX x 1/2" PEX x 3/4" PEX | 25 |
| Q4757550 | ProPEX EP Reducing Tee, 3/4" PEX x 3/4" PEX x 1/2" PEX | 25 |
| LF4707550 | ProPEX LF Brass Reducing Tee, 3/4" PEX x 3/4" PEX x 1/2" PEX | 25 |
| Q4757563 | ProPEX EP Reducing Tee, 3/4" PEX x 3/4" PEX x 5/8" PEX | 10 |
| Q4757710 | ProPEX EP Reducing Tee, 3/4" PEX x 3/4" PEX x 1" PEX | 10 |
| LF4707710 | ProPEX LF Brass Reducing Tee, 3/4" PEX x 3/4" PEX x 1" PEX | 10 |
| Q4751501 | ProPEX EP Reducing Tee, 1" PEX x 1/2" PEX x 1" PEX | 10 |
| Q4751750 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 1/2" PEX | 10 |

ProPEX reducing tees



◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Radiant and hydronic piping systems

ProPEX reducing tees



| Part no. | Part description | Pkg. qty. |
|-------------|--|-----------|
| Q4751775 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 3/4" PEX | 10 |
| ◀ LF4701775 | ProPEX LF Brass Reducing Tee, 1" PEX x 3/4" PEX x 3/4" PEX | 10 |
| Q4751751 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 1" PEX | 10 |
| ◀ LF4701751 | ProPEX LF Brass Reducing Tee, 1" PEX x 3/4" PEX x 1" PEX | 10 |
| Q4751753 | ProPEX EP Reducing Tee, 1" PEX x 3/4" PEX x 1 1/4" PEX | 1 |
| Q4751113 | ProPEX EP Reducing Tee, 1" PEX x 1" PEX x 1 1/4" PEX | 1 |
| Q4751150 | ProPEX EP Reducing Tee, 1" PEX x 1" PEX x 1/2" PEX | 10 |
| ◀ LF4701150 | ProPEX LF Brass Reducing Tee, 1" PEX x 1" PEX x 1/2" PEX | 10 |
| Q4751175 | ProPEX EP Reducing Tee, 1" PEX x 1" PEX x 3/4" PEX | 10 |
| ◀ LF4701175 | ProPEX LF Brass Reducing Tee, 1" PEX x 1" PEX x 3/4" PEX | 10 |
| Q4751377 | ProPEX EP Reducing Tee, 1 1/4" PEX x 3/4" PEX x 3/4" PEX | 1 |
| Q4751371 | ProPEX EP Reducing Tee, 1 1/4" PEX x 3/4" PEX x 1" PEX | 1 |
| Q4751373 | ProPEX EP Reducing Tee, 1 1/4" PEX x 3/4" PEX x 1 1/4" PEX | 1 |
| Q4751317 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1" PEX x 3/4" PEX | 1 |
| Q4751311 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1" PEX x 1" PEX | 1 |
| Q4751350 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 1/2" PEX | 1 |
| Q4751337 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 3/4" PEX | 1 |
| Q4751331 | ProPEX EP Reducing Tee, 1 1/4" PEX x 1 1/4" PEX x 1" PEX | 1 |
| Q4751577 | ProPEX EP Reducing Tee, 1 1/2" PEX x 3/4" PEX x 3/4" PEX | 1 |
| Q4751517 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1" PEX x 3/4" PEX | 1 |
| Q4751511 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1" PEX x 1" PEX | 1 |
| Q4751505 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1" PEX x 1 1/2" PEX | 1 |
| Q4751537 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/4" PEX x 3/4" PEX | 1 |
| Q4751531 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/4" PEX x 1" PEX | 1 |
| Q4751533 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/4" PEX x 1 1/4" PEX | 1 |
| Q4751550 | ProPEX EP Reducing Tee, 1 1/2" PEX x 1 1/2" PEX x 1/2" PEX | 1 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Radiant and hydronic piping systems

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4751557 | ProPEX EP Reducing Tee, 1½" PEX x 1½" PEX x ¾" PEX | 1 |
| Q4751551 | ProPEX EP Reducing Tee, 1½" PEX x 1½" PEX x 1" PEX | 1 |
| Q4751553 | ProPEX EP Reducing Tee, 1½" PEX x 1½" PEX x 1¼" PEX | 1 |
| Q4751575 | ProPEX EP Reducing Tee, 1½" PEX x ¾" PEX x 1½" PEX | 1 |
| Q4752110 | ProPEX EP Reducing Tee, 2" PEX x 1" PEX x 1" PEX | 1 |
| Q4752575 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x ¾" PEX | 1 |
| Q4752051 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1" PEX | 1 |
| Q4752053 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1¼" PEX | 1 |
| Q4752055 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 1½" PEX | 1 |
| Q4752152 | ProPEX EP Reducing Tee, 2" PEX x 1½" PEX x 2" PEX | 1 |
| Q4752250 | ProPEX EP Reducing Tee, 2" PEX x 2" PEX x ½" PEX | 1 |
| Q4752275 | ProPEX EP Reducing Tee, 2" PEX x 2" PEX x ¾" PEX | 1 |
| Q4752210 | ProPEX EP Reducing Tee, 2" PEX x 2" PEX x 1" PEX | 1 |
| Q4752213 | ProPEX EP Reducing Tee, 2" x 2" x 1¼" | 1 |
| Q4752215 | ProPEX EP Reducing Tee, 2" PEX x 2" PEX x 1½" PEX | 1 |
| Q4752525 | ProPEX EP Reducing Tee, 2½" PEX x 2" PEX x 1½" PEX | 1 |
| Q4752522 | ProPEX EP Reducing Tee, 2½" PEX x 2" PEX x 2" PEX | 1 |
| Q4752557 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x ¾" PEX | 1 |
| Q4752510 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x 1" PEX | 1 |
| Q4752513 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x 1¼" PEX | 1 |
| Q4752515 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x 1½" PEX | 1 |
| Q4752520 | ProPEX EP Reducing Tee, 2½" PEX x 2½" PEX x 2" PEX | 1 |
| Q4753220 | ProPEX EP Reducing Tee, 3" PEX x 2" PEX x 2" PEX | 1 |
| Q4753215 | ProPEX EP Reducing Tee, 3" PEX x 2½" PEX x 1½" PEX | 1 |
| Q4753252 | ProPEX EP Reducing Tee, 3" PEX x 2½" PEX x 2" PEX | 1 |

ProPEX reducing tees



Radiant and hydronic piping systems

ProPEX reducing tees



| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q4753375 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 3/4" PEX | 1 |
| Q4753310 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 1" PEX | 1 |
| Q4753313 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 1 1/4" PEX | 1 |
| Q4753315 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 1 1/2" PEX | 1 |
| Q4753320 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 2" PEX | 1 |
| Q4753325 | ProPEX EP Reducing Tee, 3" PEX x 3" PEX x 2 1/2" PEX | 1 |

ProPEX EP opposing-port tees



ProPEX EP opposing-port tees feature 1" through 2" ProPEX flow-through connections with opposing 3/4" ProPEX branch outlets. The tees are made of engineered polymer, which is proven in demanding hot-water applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4801075 | ProPEX EP Opposing-port Tee 1" x 1" x 3/4" x 3/4" | 1 |
| Q4801375 | ProPEX EP Opposing-port Tee 1 1/4" x 1 1/4" x 3/4" x 3/4" | 1 |
| Q4801575 | ProPEX EP Opposing-port Tee 1 1/2" x 1 1/2" x 3/4" x 3/4" | 1 |
| Q4802075 | ProPEX EP Opposing-port Tee 2" x 2" x 3/4" x 3/4" | 1 |

ProPEX plugs



ProPEX EP and brass plugs permanently or temporarily terminate the end of Uponor PEX tubing.

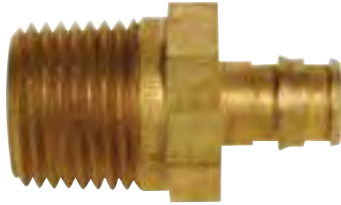
Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|--------------------------------|-----------|
| Q4350500 | ProPEX EP Plug for 1/2" PEX | 25 |
| Q4536363 | ProPEX Brass Plug for 5/8" PEX | 10 |
| Q4350750 | ProPEX EP Plug for 3/4" PEX | 25 |
| Q4351000 | ProPEX EP Plug for 1" PEX | 10 |
| Q4351250 | ProPEX EP Plug for 1 1/4" PEX | 1 |
| Q4351500 | ProPEX EP Plug for 1 1/2" PEX | 1 |
| Q4352000 | ProPEX EP Plug for 2" PEX | 1 |

Radiant and hydronic piping systems

ProPEX adapters

ProPEX brass male threaded adapters



ProPEX LF brass and brass male threaded adapters connect Uponor PEX tubing to male NPT threads for transitioning from metal to PEX. ProPEX LF brass is intended for lead-free, potable-plumbing applications; ProPEX brass is intended for non-potable heating and cooling applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4523850 | ProPEX LF Brass Male Threaded Adapter, 3/8" PEX x 1/2" NPT | 25 |
| Q5525050 | ProPEX Brass Male Threaded Adapter, 1/2" PEX x 1/2" NPT | 25 |
| LF4525075 | ProPEX LF Brass Male Threaded Adapter, 1/2" PEX x 3/4" NPT | 25 |
| Q4526375 | ProPEX Brass Male Threaded Adapter, 5/8" PEX x 3/4" NPT | 10 |
| Q5527575 | ProPEX Brass Male Threaded Adapter, 3/4" PEX x 3/4" NPT | 25 |
| Q5527510 | ProPEX Brass Male Threaded Adapter, 3/4" PEX x 1" NPT | 10 |
| Q5521075 | ProPEX Brass Male Threaded Adapter, 1" PEX x 3/4" NPT | 10 |
| Q5521010 | ProPEX Brass Male Threaded Adapter, 1" PEX x 1" NPT | 10 |
| Q5521313 | ProPEX Brass Male Threaded Adapter, 1 1/4" PEX x 1 1/4" NPT | 1 |
| Q5521515 | ProPEX Brass Male Threaded Adapter, 1 1/2" PEX x 1 1/2" NPT | 1 |
| Q5522020 | ProPEX Brass Male Threaded Adapter, 2" PEX x 2" NPT | 1 |
| LF4522525 | ProPEX LF Brass Male Threaded Adapter, 2 1/2" PEX x 2 1/2" NPT | 1 |
| LF4523030 | ProPEX LF Brass Male Threaded Adapter, 3" PEX x 3" NPT | 1 |

Radiant and hydronic piping systems

ProPEX brass female threaded adapters



ProPEX LF brass and brass female threaded adapters connect Uponor PEX tubing to female NPT threads for transitioning from metal to PEX. ProPEX LF brass is intended for lead-free, potable-plumbing applications; ProPEX brass is intended for non-potable heating and cooling applications.

Note: ProPEX tool is required. ProPEX rings sold separately

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| Q5575050 | ProPEX Brass Female Threaded Adapter, 1/2" PEX x 1/2" NPT | 25 |
| LF4575075 | ProPEX LF Brass Female Threaded Adapter, 1/2" PEX x 3/4" NPT | 25 |
| Q4576375 | ProPEX Brass Female Threaded Adapter, 5/8" PEX x 3/4" NPT | 10 |
| Q5577575 | ProPEX Brass Female Threaded Adapter, 3/4" PEX x 3/4" NPT | 25 |
| Q5577510 | ProPEX Brass Female Threaded Adapter, 3/4" PEX x 1" NPT | 10 |
| Q5571010 | ProPEX Brass Female Threaded Adapter, 1" PEX x 1" NPT | 10 |
| Q5571313 | ProPEX Brass Female Threaded Adapter, 1 1/4" PEX x 1 1/4" NPT | 1 |
| Q5571515 | ProPEX Brass Female Threaded Adapter, 1 1/2" PEX x 1 1/2" NPT | 1 |
| Q5572020 | ProPEX Brass Female Threaded Adapter, 2" PEX x 2" NPT | 1 |

Radiant and hydronic piping systems

ProPEX LF brass and brass sweat adapters transition Uponor PEX tubing to copper pipe. ProPEX LF brass is intended for lead-free, potable-plumbing applications; ProPEX brass is intended for non-potable heating and cooling applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

Note: Do not press these adapters. For copper press applications, see **page 93** for ProPEX LF brass copper press adapters.

ProPEX brass sweat adapters



| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| LF4513850 | ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper | 25 |
| Q5515050 | ProPEX Brass Sweat Adapter, 1/2" PEX x 1/2" Copper | 25 |
| LF4515075 | ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper | 25 |
| Q4516350 | ProPEX Brass Sweat Adapter, 5/8" PEX x 1/2" Copper | 10 |
| Q4516375 | ProPEX Brass Sweat Adapter, 5/8" PEX x 3/4" Copper | 10 |
| Q5517550 | ProPEX Brass Sweat Adapter, 3/4" PEX x 1/2" Copper | 25 |
| Q5517575 | ProPEX Brass Sweat Adapter, 3/4" PEX x 3/4" Copper | 25 |
| Q5517510 | ProPEX Brass Sweat Adapter, 3/4" PEX x 1" Copper | 10 |
| Q5511010 | ProPEX Brass Sweat Adapter, 1" PEX x 1" Copper | 10 |
| Q5511313 | ProPEX Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |
| Q5511515 | ProPEX Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper | 1 |
| Q5512020 | ProPEX Brass Sweat Adapter, 2" PEX x 2" Copper | 1 |
| LF4512525 | ProPEX LF Brass Sweat Adapter, 2 1/2" PEX x 2 1/2" Copper | 1 |
| LF4513030 | ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper | 1 |

Radiant and hydronic piping systems

ProPEX brass fitting adapters



ProPEX brass fitting adapters transition Uponor PEX tubing to copper fittings. ProPEX brass is intended for non-potable heating and cooling applications.

Note: ProPEX tool is required. ProPEX rings sold separately.

Note: Do not press these adapters. For copper press applications, see **page 93** for ProPEX LF brass copper press adapters.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q5505050 | ProPEX Brass Fitting Adapter, 1/2" PEX x 1/2" Copper | 25 |
| Q4506350 | ProPEX Brass Fitting Adapter, 5/8" PEX x 1/2" Copper | 10 |
| Q4506375 | ProPEX Brass Fitting Adapter, 5/8" PEX x 3/4" Copper | 10 |
| Q5507550 | ProPEX Brass Fitting Adapter, 3/4" PEX x 1/2" Copper | 25 |
| Q5507575 | ProPEX Brass Fitting Adapter, 3/4" PEX x 3/4" Copper | 25 |
| Q5507510 | ProPEX Brass Fitting Adapter, 3/4" PEX x 1" Copper | 10 |
| Q5501010 | ProPEX Brass Fitting Adapter, 1" PEX x 1" Copper | 10 |
| Q5501313 | ProPEX Brass Fitting Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |
| Q5501515 | ProPEX Brass Fitting Adapter, 1 1/2" PEX x 1 1/2" Copper | 1 |
| Q5502020 | ProPEX Brass Fitting Adapter, 2" PEX x 2" Copper | 1 |

ProPEX LF brass elbow adapters



ProPEX LF brass elbow adapters make 90-degree connections for 1/2" Uponor PEX tubing to 1/2" male NPT thread or copper sweat.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF4125050 | ProPEX LF Brass Elbow Adapter, 1/2" PEX x 1/2" MIP | 25 |
| LF4730500 | ProPEX LF Brass Elbow Adapter, 1/2" PEX x 1/2" Male CU | 10 |

Radiant and hydronic piping systems

ProPEX LF brass copper press adapters transition Uponor PEX tubing to copper pipe.

Note: ProPEX tool and copper press tool are required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|--|-----------|
| LFP4515050 | ProPEX LF Brass Copper Press Adapter, 1/2" PEX x 1/2" Copper | 25 |
| LFP4517575 | ProPEX LF Brass Copper Press Adapter, 3/4" PEX x 3/4" Copper | 25 |
| LFP4511010 | ProPEX LF Brass Copper Press Adapter, 1" PEX x 1" Copper | 10 |
| LFP4511313 | ProPEX LF Brass Copper Press Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |
| LFP4511515 | ProPEX LF Brass Copper Press Adapter, 1 1/2" PEX x 1 1/2" Copper | 1 |
| LFP4512020 | ProPEX LF Brass Copper Press Adapter, 2" PEX x 2" Copper | 1 |
| LFP4512525 | ProPEX LF Brass Copper Press Adapter, 2 1/2" PEX x 2 1/2" Copper | 1 |
| LFP4513030 | ProPEX LF Brass Copper Press Adapter, 3" PEX x 3" Copper | 1 |

ProPEX LF brass copper press adapters



ProPEX LF brass copper press fitting adapters connect Uponor PEX to copper press piping systems. For use with ASTM B88 Type K, L or M copper pipe and ASME B16.51 copper press fittings.

Note: ProPEX tool and copper press tool are required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|--|-----------|
| LFP4505050 | ProPEX LF Brass Copper Press Fitting Adapter, 1/2" PEX x 1/2" Copper | 25 |
| LFP4507575 | ProPEX LF Brass Copper Press Fitting Adapter, 3/4" PEX x 3/4" Copper | 25 |
| LFP4501010 | ProPEX LF Brass Copper Press Fitting Adapter, 1" PEX x 1" Copper | 10 |
| LFP4501313 | ProPEX LF Brass Copper Press Fitting Adapter, 1 1/4" PEX x 1 1/4" Copper | 1 |
| LFP4501515 | ProPEX LF Brass Copper Press Fitting Adapter, 1 1/2" PEX x 1 1/2" Copper | 1 |
| LFP4502020 | ProPEX LF Brass Copper Press Fitting Adapter, 2" PEX x 2" Copper | 1 |
| LFP4502525 | ProPEX LF Brass Copper Press Fitting Adapter, 2 1/2" PEX x 2 1/2" Copper | 1 |
| LFP4503030 | ProPEX LF Brass Copper Press Fitting Adapter, 3" PEX x 3" Copper | 1 |

ProPEX LF brass copper press fitting adapters



Radiant and hydronic piping systems

ProPEX LF brass CTS groove fitting adapters



ProPEX LF brass copper tube size (CTS) groove fitting adapters provide a direct connection to groove connections designed to meet CSA B242-05. These fittings are CTS on the groove connection side.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|---|-----------|
| LFV2962020 | ProPEX LF Groove Fitting Adapter, 2" PEX LF Brass x 2" CTS Groove | 1 |
| LFV2962025 | ProPEX LF Groove Fitting Adapter, 2" PEX LF Brass x 2½" CTS Groove | 1 |
| LFV2962525 | ProPEX LF Groove Fitting Adapter, 2½" PEX LF Brass x 2½" CTS Groove | 1 |
| LFV2963030 | ProPEX LF Groove Fitting Adapter, 3" PEX LF Brass x 3" CTS Groove | 1 |

ProPEX LF brass IPS groove fitting adapters



ProPEX LF brass iron pipe size (IPS) groove fitting adapters provide a direct connection to groove connections designed to meet CSA B242-05. These fittings are IPS on the groove connection side.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|------------|---|-----------|
| LFV2972020 | ProPEX LF Groove Fitting Adapter, 2" PEX LF Brass x 2" IPS Groove | 1 |
| LFV2972025 | ProPEX LF Groove Fitting Adapter, 2" PEX LF Brass x 2½" IPS Groove | 1 |
| LFV2972520 | ProPEX LF Groove Fitting Adapter, 2½" PEX LF Brass x 2" IPS Groove | 1 |
| LFV2972525 | ProPEX LF Groove Fitting Adapter, 2½" PEX LF Brass x 2½" IPS Groove | 1 |
| LFV2972530 | ProPEX LF Groove Fitting Adapter, 2½" PEX LF Brass x 3" IPS Groove | 1 |
| LFV2973025 | ProPEX LF Groove Fitting Adapter, 3" PEX LF Brass x 2½" IPS Groove | 1 |
| LFV2973030 | ProPEX LF Groove Fitting Adapter, 3" PEX LF Brass x 3" IPS Groove | 1 |

Radiant and hydronic piping systems

ProPEX LF brass CPVC spigot adapters transition Uponor PEX tubing to CPVC (CTS) fittings.

Note: ProPEX tool is required. ProPEX rings sold separately. Follow all CPVC manufacturer's instructions for proper CPVC connections.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| CP4501313 | ProPEX LF Brass x CPVC Spigot Adapter, 1/4" PEX x 1/4" CPVC (CTS) | 1 |
| CP4501515 | ProPEX LF Brass x CPVC Spigot Adapter, 1/2" PEX x 1/2" CPVC (CTS) | 1 |
| CP4502020 | ProPEX LF Brass x CPVC Spigot Adapter, 2" PEX x 2" CPVC (CTS) | 1 |

ProPEX LF brass CPVC spigot adapters



ProPEX LF brass CPVC socket adapters transition Uponor PEX tubing to CPVC (CTS) pipe.

Note: ProPEX tool is required. ProPEX rings sold separately. Follow all CPVC manufacturer's instructions for proper CPVC connections.

| Part no. | Part description | Pkg. qty. |
|-----------|---|-----------|
| CP4511313 | ProPEX LF Brass x CPVC Socket Adapter, 1/4" PEX x 1/4" CPVC (CTS) | 1 |
| CP4511515 | ProPEX LF Brass x CPVC Socket Adapter, 1/2" PEX x 1/2" CPVC (CTS) | 1 |
| CP4512020 | ProPEX LF Brass x CPVC Socket Adapter, 2" PEX x 2" CPVC (CTS) | 1 |

ProPEX LF brass CPVC socket adapters



ProPEX LF brass CPVC spigot adapter kits transition from either CTS or IPS CPVC to Uponor PEX piping systems.

Note: ProPEX tool is required. ProPEX rings sold separately. Follow all CPVC manufacturer's instructions for proper CPVC connections.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| CP4501300 | ProPEX LF Brass x CPVC Spigot Adapter Kit, 1/4" PEX x 1/4" CPVC (IPS or CTS) | 1 |
| CP4501500 | ProPEX LF Brass x CPVC Spigot Adapter Kit, 1/2" PEX x 1/2" CPVC (IPS or CTS) | 1 |
| CP4502000 | ProPEX LF Brass x CPVC Spigot Adapter Kit, 2" PEX x 2" CPVC (IPS or CTS) | 1 |

ProPEX LF brass CPVC spigot adapter kits



ProPEX LF brass flange adapter kits are available for 2 1/2" and 3" PEX pipe sizes. The kits include a ProPEX adapter, a flange adapter and four nuts and bolts. The flanges carry a 150-lb. rating.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|-----------|--|-----------|
| LF2982525 | ProPEX LF Brass Flange Adapter Kit, 2 1/2" PEX (150 lb.) | 1 |
| LF2983030 | ProPEX LF Brass Flange Adapter Kit, 3" PEX (150 lb.) | 1 |

ProPEX LF brass flange adapter kits



Radiant and hydronic piping systems

Tubing transition fittings

QS-style coupling nipples



QS-style brass coupling nipples and the appropriate fitting assemblies connect $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " or $\frac{3}{4}$ " Uponor PEX tubing together.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4322020 | QS-style Coupling Nipple, R20 x R20 | 10 |
| A4322525 | QS-style Coupling Nipple, R25 x R25 (for $\frac{3}{4}$ " and $\frac{5}{8}$ " tubing only) | 10 |

QS-style conversion nipples



QS-style brass conversion nipples and the appropriate fittings connect $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " or $\frac{3}{4}$ " Uponor PEX tubing to $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" NPT.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4322050 | QS-style Conversion Nipple, R20 x $\frac{1}{2}$ " NPT | 10 |
| A4322075 | QS-style Conversion Nipple, R20 x $\frac{3}{4}$ " NPT | 10 |
| A4322575 | QS-style Conversion Nipple, R25 x $\frac{3}{4}$ " NPT (for $\frac{3}{4}$ " tubing only) | 10 |

QS-style copper adapters



QS-style copper adapters (R20 or R25) and appropriate QS-style fitting assemblies transition Uponor PEX tubing to $\frac{1}{2}$ " and $\frac{3}{4}$ " copper pipe.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4332050 | QS-style Copper Adapter, R20 x $\frac{1}{2}$ " Copper | 10 |
| A4332075 | QS-style Copper Adapter, R20 x $\frac{3}{4}$ " Copper | 10 |
| A4332575 | QS-style Copper Adapter, R25 x $\frac{3}{4}$ " Copper (for $\frac{3}{4}$ " and $\frac{5}{8}$ " tubing only) | 10 |

QS-style copper fitting adapters



QS-style copper fitting adapters and appropriate QS-style fitting assemblies transition Uponor PEX tubing to $\frac{1}{2}$ " and $\frac{3}{4}$ " copper fittings.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4342050 | QS-style Copper Fitting Adapter, R20 x $\frac{1}{2}$ " Copper | 10 |
| A4342075 | QS-style Copper Fitting Adapter, R20 x $\frac{3}{4}$ " Copper | 10 |
| A4342575 | QS-style Copper Fitting Adapter, R25 X $\frac{3}{4}$ " Copper (for $\frac{3}{4}$ " and $\frac{5}{8}$ " tubing only) | 10 |
| A4342510 | QS-style Copper Fitting Adapter, R25 X 1" Copper (for $\frac{3}{4}$ " and $\frac{5}{8}$ " tubing only) | 10 |

Repair couplings



Use $\frac{5}{16}$ " repair couplings for $\frac{5}{16}$ " PEX x $\frac{5}{16}$ " PEX.

Note: One-piece repair coupling comes as an assembly. No other fittings are necessary. For all other sizes of tubing, see ProPEX EP couplings section on **pages 82-83**. EP couplings are suitable for direct burial.

| Part no. | Part description | Pkg. qty. |
|----------|----------------------------------|-----------|
| A4010313 | $\frac{5}{16}$ " Repair Coupling | 10 |

Radiant and hydronic piping systems

Baseboard fittings

QS-style brass baseboard elbows connect 1/2", 5/8" and 3/4" Uponor PEX tubing to 3/4" copper baseboard with the appropriate QS-style fitting assembly.

Note: QS-style fitting assembly is required.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4382075 | QS-style Baseboard Elbow, R20 X 3/4" Copper Adapter | 10 |
| A4372075 | QS-style Baseboard Elbow, R20 x 3/4" Copper Fitting Adapter | 10 |

QS-style brass baseboard tees connect 1/2" and 5/8" Uponor PEX tubing to 3/4" copper baseboard (includes 1/8" threads for air vent).

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A4392075 | QS-style Baseboard Tee, R20 x 3/4" Copper Adapter | 10 |

QS-style baseboard elbows and tees



ProPEX brass baseboard elbows connect 1/2", 5/8" and 3/4" Uponor PEX tubing products to 3/4" copper baseboard.

Note: ProPEX tool is required. ProPEX rings sold separately.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| Q4385075 | ProPEX Baseboard Elbow, 1/2" PEX x 3/4" Copper Adapter | 10 |
| Q4386375 | ProPEX Baseboard Elbow, 5/8" PEX x 3/4" Copper Adapter | 10 |
| Q4387575 | ProPEX Baseboard Elbow, 3/4" PEX x 3/4" Copper Adapter | 10 |
| Q4375075 | ProPEX Baseboard Elbow, 1/2" PEX x 3/4" Copper Fitting Adapter | 10 |
| Q4376375 | ProPEX Baseboard Elbow, 5/8" PEX x 3/4" Copper Fitting Adapter | 10 |
| Q4377575 | ProPEX Baseboard Elbow, 3/4" PEX x 3/4" Copper Fitting Adapter | 10 |

ProPEX baseboard elbows and tees



ProPEX brass baseboard tees connect 1/2", 5/8" and 3/4" Uponor PEX tubing products to 3/4" copper baseboard (includes 1/8" threads for air vent). Air vent is not included.

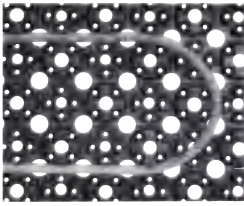
| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| Q4395075 | ProPEX Baseboard Tee, 1/2" PEX x 3/4" Copper Adapter with 1/8" vent tapping | 10 |
| Q4396375 | ProPEX Baseboard Tee, 5/8" PEX x 3/4" Copper Adapter with 1/8" vent tapping | 10 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Radiant and hydronic piping systems

Heat-transfer panels and plates

Fast Trak™



Fast Trak™ is the ideal overpour installation method for remodel and retrofit applications. The preformed knobbed mats make it easy to install Uponor PEX tubing for radiant floor heating applications. Fast Trak 0.5 is only ½" thick, eliminating the need to alter baseboards, moldings or doors. The product is made for ⅝" PEX tubing and features an adhesive backing for easy installation to a slab or subfloor. Fast Trak 1.3i is slightly over 1¼" in height. Fast Trak 1.3i uses ¾" or ½" PEX tubing and includes insulation already in the mat, eliminating the added time and cost of installing insulation under the tubing. Fast Trak edge strips are required to prevent overpour from seeping under the panels and to protect the surrounding substructure from moisture damage and expansion forces.

| Part no. | Part description | Panel coverage | Pkg. qty. |
|----------|-----------------------------------|-----------------------------|-----------|
| A5090313 | Fast Trak 0.5 | 8.3 ft ² /panel | 20 |
| A5090500 | Fast Trak 1.3i | 12.1 ft ² /panel | 18 |
| A5091000 | Fast Trak Edge Strip, 65-ft. roll | | 10 |

Joist Trak™



Joist Trak™ extruded, 16-gauge aluminum heat transfer panels use ⅜" or ½" Uponor PEX in floor joist applications. Each panel is 4' x 3½" and comes packaged 20 per box. They provide easy installation, increased heat transfer and superior comfort.

Note: Screws not included.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------------|-----------|
| A5080375 | Joist Trak, ⅜" Heat Transfer Panel | 20 |
| A5080500 | Joist Trak, ½" Heat Transfer Panel | 20 |

Quik Trak®



Quik Trak® ½" x 4' plywood panels are attached to a 30-gauge aluminum heat transfer sheet. Use with ⅝" Wirsbo hePEX tubing only. A fully assembled set consists of six panels fastened together with strapping tape. The panels are staggered (2") on both ends to aid alignment.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A5060701 | Quik Trak 7" x 48" Panels | 10 |
| A5060761 | Quik Trak 7" x 48" x 6 Panels (fully assembled set) | 1 |

Quik Trak return panels



Quik Trak return panels are designed with a U-shaped groove to complete tubing turns. Each return panel Quik Trak return panels is shipped with a separate aluminum sheet for installation beneath the panel. Use with ⅝" Wirsbo hePEX tubing only.

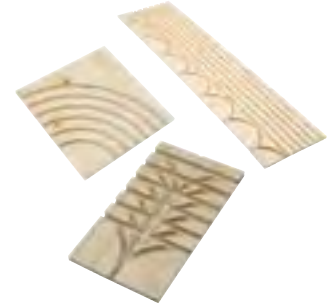
| Part no. | Part description | Pkg. qty. |
|----------|----------------------------------|-----------|
| A5060702 | Quik Trak 7" x 48" Return Panels | 10 |

Radiant and hydronic piping systems

Quik Trak combo panels simplify installations when multiple tubing runs are needed in a tight space back to the manifold. Each panel is shipped with a separate aluminum sheet for installation beneath the panel. Use with $\frac{5}{16}$ " Wirsbo hePEX tubing only.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A5060712 | Quik Trak 12" x 48" Combo Panel, 6 runs with return | 5 |
| A5060722 | Quik Trak 12" x 12" Combo 90, 6 runs | 5 |
| A5060732 | Quik Trak 7" x 12" Combo Access Panel, 6 runs with 1 access | 6 |

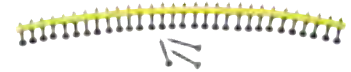
Quik Trak combo panels



The $1\frac{1}{4}$ " screws are designed specifically for Quik Trak installations using $\frac{3}{4}$ " subfloors.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| E6051250 | Quik Trak Screws ($1\frac{1}{4}$ "), 2,500/pkg. | 1 |

Quik Trak screws



Quik Trak sealants are 100% silicone and provide good thermal transfer. Use to adhere $\frac{5}{16}$ " Wirsbo hePEX tubing in the Quik Trak groove. One tube of sealant covers 146 linear feet or 86 square feet of space.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| E6050010 | Quik Trak Sealant, 10.3 fluid oz. (300 ml) | 24 |

Quik Trak sealants



Quik Trak installation tool kits offer labor-saving speed for Quik Trak installations. The kits feature a lightweight, easy-to-use screw gun with an extension arm to reduce fatigue. The kits include a 120VAC screw gun with vertical extension arm, square-head drive screw bits, bit-retrieval tool and hard-sided case.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| E6050000 | Quik Trak Installation Tool Kit | 1 |
| E6050005 | Quik Drive Bits (set of 3 square drive bits) | 1 |

Quik Trak installation tool kits



Radiant and hydronic piping systems

Tools and accessories

Refer to the following pages for a full listing of tools and accessories.

- Tube uncoilers: **page 117**
- Tube cutters: **pages 117-118**
- ProPEX tools and accessories: **pages 119-120**
- Other tools: **page 120**
- Tubing supports: **pages 121-122**
- Fasteners, fastener tools and protectors: **pages 123-126**



Quail Hollow Estates

Charlotte, NC

Project highlights:

- 12-building condominium complex on 50 acres
- Ecoflex replaces outdated pre-insulated steel for district energy system
- Hot-water heating, chilled-water cooling and domestic hot water
- Installer: Piedmont Natural Gas

Project data:

- 4,800 ft. of Ecoflex thermal single from 2" to 3"
- 2,400 ft. of Ecoflex thermal twin from 1½" to 2½"
- 26 Ecoflex insulation kits

To learn more about this project, visit uponorpro.com/casestudies.

Pre-insulated piping systems

Pre-insulated piping systems

Ecoflex thermal

Ecoflex thermal single pipes



Ecoflex thermal single pipes are designed for fluid transfer in heating and cooling applications. The Wirsbo hePEX service pipe in Ecoflex thermal single piping is manufactured by the Engel-method (PEX-a) process and is listed to ASTM F876 and F877. An oxygen-diffusion barrier extruded onto the service pipe dramatically reduces the amount of oxygen molecules that can migrate through the tubing wall. This oxygen-diffusion barrier protects ferrous components within the fluid pathway from corrosion. The pipe is surrounded by multi-layer, closed-cell, PEX-foam insulation and a water-resistant, corrugated HDPE jacket, making it ideal for direct-burial applications.

Note: Use ProPEX fittings up to 3" or WIPEX fittings for the whole range.

Manufacturing standards: ASTM F876, ASTM F877, CSA B137.5

Product listings: cNSFus-rfh, cNSFus-pw, PEX 5106

| Part no. | Part description | Full coil dimension | Full coil length |
|----------|--|---------------------|------------------|
| 5012775 | ¾" Thermal Single with 2.7" Jacket, 1,000-ft. coil | 75" x 31" | 1,000' |
| 5012710 | 1" Thermal Single with 2.7" Jacket, 1,000-ft. coil | 75" x 31" | 1,000' |
| 5015510 | 1" Thermal Single with 5.5" Jacket, 600-ft. coil | 83" x 53" | 600' |
| 5015513 | 1¼" Thermal Single with 5.5" Jacket, 500-ft. coil | 83" x 44" | 500' |
| 5016915 | 1½" Thermal Single with 6.9" Jacket, 300-ft. coil | 78" x 49" | 300' |
| 5016920 | 2" Thermal Single with 6.9" Jacket, 300-ft. coil | 78" x 49" | 300' |
| 5016925 | 2½" Thermal Single with 6.9" Jacket, 300-ft. coil | 78" x 49" | 300' |
| 5017930 | 3" Thermal Single with 7.9" Jacket, 300-ft. coil | 84" x 53" | 300' |
| 5017935 | 3½" Thermal Single with 7.9" Jacket, 300-ft. coil | 84" x 53" | 300' |
| 5017940 | 4" Thermal Single with 7.9" Jacket, 300-ft. coil | 86" x 53" | 300' |

Pre-insulated piping systems

Ecoflex thermal twin pipes are designed for fluid transfer in heating and cooling applications. The Wirsbo hePEX service pipes in Ecoflex thermal twin piping are manufactured by the Engel-method (PEX-a) process and are listed to ASTM F876 and F877. An oxygen-diffusion barrier extruded onto the service pipe dramatically reduces the amount of oxygen molecules that can migrate through the tubing wall. This oxygen-diffusion barrier protects ferrous components within the fluid pathway from corrosion. The pipe is surrounded by multi-layer, closed-cell, PEX-foam insulation and a water-resistant, corrugated HDPE jacket, making it ideal for direct-burial applications.

Note: Use ProPEX fittings up to 3" or WIPEX fittings for the whole range.

Manufacturing standards: ASTM F876, ASTM F877, CSA B137.5

Product listings: cNSFus-rfh, cNSFus-pw, PEX 5106

Ecoflex thermal twin pipes



| Part no. | Part description | Full coil dimension | Full coil length |
|----------|---|---------------------|------------------|
| 5026910 | 1" Thermal Twin with 6.9" Jacket, 600-ft. coil | 93" x 64" | 600' |
| 5025513 | 1¼" Thermal Twin Jr. with 5.5" Jacket, 600-ft. coil | 83" x 55" | 600' |
| 5026913 | 1¼" Thermal Twin with 6.9" Jacket, 500-ft. coil | 93" x 53" | 500' |
| 5026915 | 1½" Thermal Twin with 6.9" Jacket, 300-ft. coil | 78" x 49" | 300' |
| 5027920 | 2" Thermal Twin with 7.9" Jacket, 300-ft. coil | 84" x 53" | 300' |
| 5027925 | 2½" Thermal Twin with 7.9" Jacket, 300-ft. coil | 84" x 53" | 300' |

Pre-insulated piping systems

Ecoflex potable

Ecoflex potable HDPE pipes



Ecoflex potable HDPE pipes feature high-density polyethylene (HDPE) service pipes in ASTM sizes. It is an economical solution for pre-insulated distribution for chilled-water, cooling and low-temperature heating applications. The HDPE service pipe has no oxygen barrier on it and is manufactured in accordance with PE 3408 or PE 3608 or PE 4710, ASTM D3035 or F714 C3, AWWA C901 or C906, and NSF-61 or NSF-pw. The pipe is surrounded by multi-layer, closed-cell, PEX-foam insulation and a water-resistant, corrugated HDPE jacket, making it ideal for direct-burial applications.

Temperature and pressure ratings:

- 140°F at 80psi
- 120°F at 101psi
- 100°F at 125psi
- 73°F at 160psi

Note: Use standard SDR 11 HDPE fittings to connect the tubing.

| Part no. | Part description | Full coil dimension | Full coil length |
|-----------|---|---------------------|------------------|
| ◀ 5115513 | 1¼" Potable HDPE with 5.5" Jacket, 300-ft. coil | 72" x 42" | 300' |
| ◀ 5115515 | 1½" Potable HDPE with 5.5" Jacket, 300-ft. coil | 72" x 42" | 300' |
| ◀ 5115520 | 2" Potable HDPE with 5.5" Jacket, 300-ft. coil | 72" x 42" | 300' |
| ◀ 5116930 | 3" Potable HDPE with 6.9" Jacket, 300-ft. coil | 78" x 49" | 300' |
| ◀ 5117940 | 4" Potable HDPE with 7.9" Jacket, 300-ft. coil | 86" x 53" | 300' |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Pre-insulated piping systems

Ecoflex potable PEX single pipes are designed for potable-water distribution applications. The Uponor AquaPEX service pipes in Ecoflex potable PEX piping are manufactured by the Engel-method (PEX-a) process and are listed to ASTM F876 and F877. The pipe is surrounded by multi-layer, closed-cell, PEX-foam insulation and a water-resistant, corrugated HDPE jacket, making it ideal for direct-burial applications.

Note: Use ProPEX fittings up to 3" or WIPEX fittings for the whole range.

Codes: UPC, IPC, NSPC, NPC of Canada

Manufacturing standards: ASTM F876, ASTM F877, CSA B137.5, NSF/ANSI Standard 14, NSF/ANSI Standard 61

Product listings: cNSFus-pw, PEX 5106

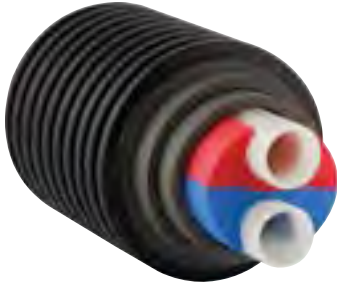
Ecoflex potable PEX single pipes



| Part no. | Part description | Full coil dimension | Full coil length |
|----------|---|---------------------|------------------|
| 5212775 | ¾" Potable PEX with 2.7" Jacket, 1,000-ft. coil | 75" x 31" | 1,000' |
| 5212710 | 1" Potable PEX with 2.7" Jacket, 1,000-ft. coil | 75" x 31" | 1,000' |
| 5215510 | 1" Potable PEX with 5.5" Jacket, 600-ft. coil | 83" x 53" | 600' |
| 5215513 | 1¼" Potable PEX with 5.5" Jacket, 500-ft. coil | 83" x 53" | 500' |
| 5216915 | 1½" Potable PEX with 6.9" Jacket, 300-ft. coil | 78" x 49" | 300' |
| 5216920 | 2" Potable PEX with 6.9" Jacket, 300-ft. coil | 78" x 49" | 300' |
| 5217930 | 3" Potable PEX with 7.9" Jacket, 300-ft. coil | 84" x 53" | 300' |

Pre-insulated piping systems

Ecoflex potable PEX twin pipes



Ecoflex potable PEX twin pipes are designed for potable-water distribution applications. The Uponor AquaPEX service pipes in Ecoflex potable PEX piping are manufactured by the Engel-method (PEX-a) process and are listed to ASTM F876 and F877. The pipe is surrounded by multi-layer, closed-cell, PEX-foam insulation and a water-resistant, corrugated HDPE jacket, making it ideal for direct-burial applications.

Note: Use ProPEX fittings up to 3" or WIPEX fittings for the whole range.

Codes: UPC, IPC, NSPC, NPC of Canada

Manufacturing standards: ASTM F876, ASTM F877, CSA B137.5, NSF/ANSI Standard 14, NSF/ANSI Standard 61

Product listings: cNSFus-pw, PEX 5106

| Part no. | Part description | Full coil dimension | Full coil length |
|----------|---|---------------------|------------------|
| 5226910 | 1" Potable PEX Twin with 6.9" Jacket, 600-ft. coil | 93" x 64" | 600' |
| 5226913 | 1¼" Potable PEX Twin with 6.9" Jacket, 500-ft. coil | 93" x 53" | 500' |
| 5226915 | 1½" Potable PEX Twin with 6.9" Jacket, 300-ft. coil | 78" x 49" | 300' |
| 5227920 | 2" Potable PEX Twin with 7.9" Jacket, 300-ft. coil | 86" x 53" | 300' |

Ecoflex potable PEX plus pipes



Ecoflex potable PEX plus is a pre-insulated pipe with a heat trace wire applied on the pipe. This product features a self-regulating heat trace wire with a maximum output of 5W/ft. to keep the water from freezing. The Uponor AquaPEX service pipe in Ecoflex potable plus piping is manufactured by the Engel-method (PEX-a) process and is listed to ASTM F876 and F877. The pipe is surrounded by multi-layer, closed-cell, PEX-foam insulation and a water-resistant, corrugated HDPE jacket, making it ideal for direct-burial applications.

Note: Use ProPEX fittings.

Codes: UPC, IPC, NSPC, NPC of Canada, National Electrical Code, Canadian Electrical Code Part I

Manufacturing standards: ASTM F876, ASTM F877, CSA B137.5, ASTM 1960, NSF/ANSI Standard 41, NSF/ANSI Standard 61

Product listings: cNSFus-pw, PEX 5106, CSA C22.2 No 130-03 (R2012), ANSI/IEEE 515-2011

| Part no. | Part description | Full coil dimension | Full coil length |
|----------|--|---------------------|------------------|
| 5455513 | 1¼" Potable PEX Plus with 5.5" Jacket, 5 W/ft., 240VAC | 83" x 46" | 300' |
| 5992000 | Heat-trace Power Terminal Block | | |
| 5993000 | Heat-trace End Seal, SF-E | | |
| 5994000 | Heat-trace Tee Splice, SF-T | | |

Pre-insulated piping systems

Pre-insulated PEX pipes

Uponor's pre-insulated PEX pipe offering complies with ASHRAE 90.1-2013 and the 2012 International Energy Conservation Code (IECC). The pipe is available in ½" to 2" configurations with ½", 1", 1½" and 2" insulation that features manufactured sealed seams that run the entire length of the coil. Check with local code authorities regarding energy-code requirements for specific applications.

| Part no. | Part description | Coils/pallet |
|----------|--|--------------|
| A6140500 | ½" Pre-insulated Wirsbo hePEX with ½" insulation, 100-ft. coil | 7 |
| A6140750 | ¾" Pre-insulated Wirsbo hePEX with ½" insulation, 100-ft. coil | 7 |
| A6141000 | 1" Pre-insulated Wirsbo hePEX with ½" insulation, 100-ft. coil | 2 |
| A6141250 | 1¼" Pre-insulated Wirsbo hePEX with ½" insulation, 100-ft. coil | 2 |
| A6150500 | ½" Pre-insulated Wirsbo hePEX with 1" insulation, 100-ft. coil | 2 |
| A6150750 | ¾" Pre-insulated Wirsbo hePEX with 1" insulation, 100-ft. coil | 2 |
| A6151000 | 1" Pre-insulated Wirsbo hePEX with 1" insulation, 100-ft. coil | 2 |
| A6151250 | 1¼" Pre-insulated Wirsbo hePEX with 1" insulation, 100-ft. coil | 2 |
| A6160500 | ½" Pre-insulated Wirsbo hePEX with 1½" insulation, 100-ft. coil | 2 |
| A6160750 | ¾" Pre-insulated Wirsbo hePEX with 1½" insulation, 100-ft. coil | 2 |
| A6161000 | 1" Pre-insulated Wirsbo hePEX with 1½" insulation, 100-ft. coil | 2 |
| A6161250 | 1¼" Pre-insulated Wirsbo hePEX with 1½" insulation, 100-ft. coil | 2 |
| A6161500 | 1½" Pre-insulated Wirsbo hePEX with 1½" insulation, 75-ft. coil | 2 |
| A6162000 | 2" Pre-insulated Wirsbo hePEX with 1½" insulation, 75-ft. coil | 2 |
| A6171500 | 1½" Pre-insulated Wirsbo hePEX with 2" insulation, 50-ft. coil | 2 |
| A6172000 | 2" Pre-insulated Wirsbo hePEX with 2" insulation, 50-ft. coil | 2 |

Pre-insulated Wirsbo hePEX coils



| Part no. | Part description | Coils/pallet |
|----------|---|--------------|
| F6040500 | ½" Pre-insulated Uponor AquaPEX with ½" insulation, 100-ft. coil | 3 |
| F6150500 | ½" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil | 2 |
| F6040750 | ¾" Pre-insulated Uponor AquaPEX with ½" insulation, 100-ft. coil | 3 |
| F6150750 | ¾" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil | 2 |
| F6041000 | 1" Pre-insulated Uponor AquaPEX with ½" insulation, 100-ft. coil | 5 |
| F6151000 | 1" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil | 2 |
| F6041250 | 1¼" Pre-insulated Uponor AquaPEX with ½" insulation, 100-ft. coil | 5 |
| F6151250 | 1¼" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil | 2 |
| F6161500 | 1½" Pre-insulated Uponor AquaPEX with 1½" insulation, 75-ft. coil | 2 |
| F6162000 | 2" Pre-insulated Uponor AquaPEX with 1½" insulation, 75-ft. coil | 2 |

Pre-insulated Uponor AquaPEX coils



Pre-insulated piping systems

Pre-insulated Uponor AquaPEX straight lengths



| Part no. | Part description | Bags/bulk bag |
|----------|---|---------------|
| F6921250 | 1/4" Pre-insulated Uponor AquaPEX with 1/2" insulation, 20-ft. straight length, 100 ft. | 4 |
| F6921500 | 1/2" Pre-insulated Uponor AquaPEX with 1/2" insulation, 20-ft. straight length, 100 ft. | 4 |
| F6922000 | 2" Pre-insulated Uponor AquaPEX with 1/2" insulation, 20-ft. straight length, 100 ft. | 4 |

Fittings

WIPEX fittings



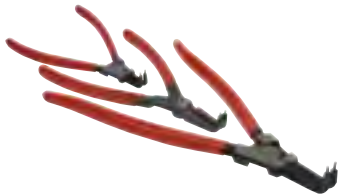
WIPEX dezincification-resistant (DZR) compression fittings transition PEX service pipe to a male NPT thread for a watertight, leak-resistant system.

Codes: IMC, UMC

Manufacturing standards: CAN/CSA B137.5, ASTM F877

| Part no. | Part description | Pkg. qty. |
|-----------|---------------------------------------|-----------|
| ◀ 5550010 | WIPEX Fitting 1" PEX x 1" NPT | 1 |
| ◀ 5550013 | WIPEX Fitting 1 1/4" PEX x 1 1/4" NPT | 1 |
| ◀ 5550015 | WIPEX Fitting 1 1/2" PEX x 1 1/2" NPT | 1 |
| ◀ 5550020 | WIPEX Fitting 2" PEX x 2" NPT | 1 |
| ◀ 5550025 | WIPEX Fitting 2 1/2" x 2" NPT | 1 |
| ◀ 5550030 | WIPEX Fitting 3" x 2 1/2" NPT | 1 |
| ◀ 5550035 | WIPEX Fitting 3 1/2" x 3" NPT | 1 |
| ◀ 5550040 | WIPEX Fitting 4" x 4" NPT | 1 |

WIPEX sleeve pliers



WIPEX sleeve pliers quickly and easily install Uponor's WIPEX fittings.

| Part no. | Part description | Pkg. qty. |
|-----------|-----------------------------------|-----------|
| ◀ 5550101 | WIPEX Sleeve Pliers 1"-1 1/2" | 1 |
| ◀ 5550102 | WIPEX Sleeve Pliers 1 1/2"-3 1/2" | 1 |
| ◀ 5550103 | WIPEX Sleeve Pliers 3 1/2"-4" | 1 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Rubber end caps

EPDM rubber end caps seal the exposed insulation between the jacket and service pipe after the pipe is cut to make a connection. Each end cap includes a stainless-steel clamp and an EPDM rubber O-ring.

Note: Uponor requires end caps at all ends of the piping system to ensure system integrity.

Single EPDM rubber end caps are used with Ecoflex thermal single pipes, Ecoflex potable HDPE pipes and Ecoflex potable PEX single pipes.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| 5852710 | End Cap, ¾" and 1" Pipe with 2.7" Jacket | 1 |
| 5855513 | End Cap, 1" and 1¼" PEX Pipe with 5.5" Jacket | 1 |
| 5855520 | End Cap, 1¼", 1½" and 2" HDPE Pipe with 5.5" Jacket | 1 |
| 5856930 | End Cap, 1½", 2", 2½" PEX and 3" HDPE Pipe with 6.9" Jacket | 1 |
| 5857940 | End Cap 3, 3½, 4" PEX and 4" HDPE Pipe, 7.9" Jacket | 1 |

Single EPDM rubber end caps



Twin EPDM end caps are used with Ecoflex thermal twin pipes and Ecoflex potable PEX twin pipes.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| 1018245 | Twin End Cap, 1", 1¼", 1½" PEX Pipe with 5.5" Jacket (25mm, 32mm and 40mm) | 1 |
| 5956915 | Twin End Cap, 1", 1¼" and 1½" PEX Pipe with 6.9" Jacket | 1 |
| 5957925 | Twin End Cap, 2" and 2½" PEX Pipe with 7.9" Jacket | 1 |

Twin EPDM rubber end caps



Pre-insulated piping systems

Accessories

Connection vaults



Connection vaults provide a fully watertight, insulated enclosure for multiple straight-through and branch connections. Buried underground, connection vaults allow the system designer to virtually eliminate all branch connections typical in traditional underground system design. Step-down outlets are compatible with the majority of Ecoflex piping.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------------|-----------|
| 1018326 | Ecoflex Connection Vault, 6 outlet | 1 |
| 1018327 | Ecoflex Connection Vault, 8 outlet | 1 |

Shrink sleeves for connection vaults



Shrink sleeves ensure a watertight seal between the Ecoflex pipe and the exterior of the connection pipe vault. Shrink sleeves may also repair minor damage to the corrugated HPDE jacket of Ecoflex pipe.

Note: Refer to the Pre-insulated Pipe Systems Design and Installation Manual for installation and repair procedures.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------------|-----------|
| 1018379 | Vault Shrink Sleeve for 5.5" Jacket | 1 |
| 1018380 | Vault Shrink Sleeve for 6.9" Jacket | 1 |
| 1018381 | Vault Shrink Sleeve for 7.9" Jacket | 1 |

Shrinkable repair tape



Uponor shrinkable tape repairs minor damage to the corrugated HPDE jacket of Ecoflex pipe.

Note: Refer to the Pre-insulated Pipe Systems Design and Installation Manual for installation and repair procedures.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------------|-----------|
| 1018378 | Uponor Shrinkable Tape 9" x 9' roll | 1 |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Pre-insulated piping systems

Insulation kits

All pre-insulated pipe systems insulation kits make insulated connections of single or twin-style Ecoflex pre-insulated pipe with a jacket size of 5.5", 6.9" and 7.9". The kits feature two shells, stainless-steel bolts, plastic pins and joint-sealing compound.

Note: Uponor ProPEX fittings and EPDM rubber end caps are required at all ends of the piping system to ensure system integrity.

Straight insulation kit makes an insulated straight connection of single or twin-style Ecoflex pre-insulated pipe.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| 1021992 | Straight Insulation Kit, 5.5", 6.9", 7.9" | 1 |

Straight insulation kit



Elbow insulation kit makes an insulated elbow connection of single or twin-style Ecoflex pre-insulated pipe.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| 1021991 | Elbow Insulation Kit, 5.5", 6.9", 7.9" | 1 |

Elbow insulation kit



Tee insulation kit makes an insulated tee connection of single or twin-style Ecoflex pre-insulated pipe.

| Part no. | Part description | Pkg. qty. |
|----------|--------------------------------------|-----------|
| 1021990 | Tee Insulation Kit, 5.5", 6.9", 7.9" | 1 |

Tee insulation kit



Pre-insulated piping systems

H-insulation kit



H-insulation kit allows for several options of insulated connections between four or five branches of single and twin-style Ecoflex pre-insulated pipe.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------------|-----------|
| 1007355 | H-Insulation Kit, 5.5", 6.9", 7.9" | 1 |

Reducer bushings



Reducer bushings are used to reduce the diameter from 5.5" to 2.7" inside the insulation kits.

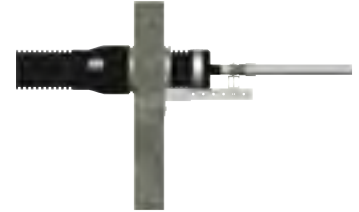
| Part no. | Part description | Pkg. qty. |
|----------|------------------------------|-----------|
| 1007357 | Reducer Bushing 5.5" to 2.7" | 1 |

Wall-penetration accessories

Wall sleeves with heat shrink seal kits offer a simple installation for new-block construction or existing walls with irregular holes. The wall sleeve is not engineered for specific bearing loads, but offered for installation convenience and compatibility.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| 1018266 | Wall Sleeve with Heat Shrink for 2.7" Jacket | 1 |
| 1018269 | Wall Sleeve with Heat Shrink for 5.5" Jacket | 1 |
| 1018268 | Wall Sleeve with Heat Shrink for 6.9" and 7.9" Jackets | 1 |

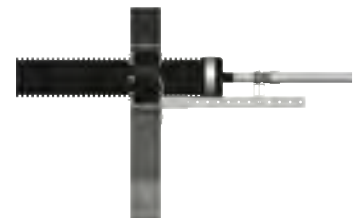
Wall sleeves with heat shrink seal kits



Compression wall seals are used with wall sleeves or used alone where a field core drill is preferred. The required core drill size is specified in the table below.

| Part no. | Part description | Core drill | Pkg. qty. |
|----------|---------------------------------------|------------|-----------|
| 1007358 | Compression Wall Seal for 2.7" Jacket | 4.75" | 1 |
| 1007360 | Compression Wall Seal for 5.5" Jacket | 8" | 1 |
| 1007361 | Compression Wall Seal for 6.9" Jacket | 10" | 1 |
| 1007362 | Compression Wall Seal for 7.9" Jacket | 10" | 1 |

Compression wall seals



Pre-insulated piping systems

Accessory applications chart

| Part number | Service pipe | Jacket size | WIPEX fitting | Rubber end cap | Tee | Straight | Elbow | Compression wall seal | Wall sleeve kit |
|---------------------------------|--------------|-------------|---------------|----------------|--------------------|--------------------|--------------------|-----------------------|-----------------|
| Thermal single pipes | | | | | | | | | |
| 5012775 | ¾" | 2.7" | N/A | 5852710 | 1021990 1007357 | 1021992 1007357 | 1021991 1007357 | 1007358 | 1018266 |
| 5012710 | 1" | 2.7" | 5550010 | 5852710 | 1021990 1007357 | 1021992 1007357 | 1021991 1007357 | 1007358 | 1018266 |
| 5015510 | 1" | 5.5" | 5550010 | 5855513 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |
| 5015513 | 1¼" | 5.5" | 5550013 | 5855513 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |
| 5016915 | 1½" | 6.9" | 5550015 | 5856930 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5016920 | 2" | 6.9" | 5550020 | 5856930 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5016925 | 2½" | 6.9" | 5550025 | 5856930 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5017930 | 3" | 7.9" | 5550030 | 5857940 | 1021990 | 1021992 | 1021991 | 1007362 | 1018268 |
| 5017935 | 3½" | 7.9" | 5550035 | 5857940 | 1021990 | 1021992 | 1021991 | 1007362 | 1018268 |
| 5017940 | 4" | 7.9" | 5550040 | 5857940 | 1021990 | 1021992 | 1021991 | 1007362 | 1018268 |
| Thermal twin pipes | | | | | | | | | |
| 5026910 | 1" | 6.9" | 5550010 | 5956915 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5025513 | 1¼" | 5.5" | 5550013 | 1018245 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |
| 5026913 | 1¼" | 6.9" | 5550013 | 5956915 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5026915 | 1½" | 6.9" | 5550015 | 5956915 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5027920 | 2" | 7.9" | 5550020 | 5957925 | 1021990 | 1021992 | 1021991 | 1007362 | 1018268 |
| 5027925 | 2½" | 7.9" | 5550025 | 5957925 | 1021990 | 1021992 | 1021991 | 1007362 | 1018268 |
| Potable HDPE pipes | | | | | | | | | |
| 5115513 | 1¼" | 5.5" | N/A | 5855520 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |
| 5115515 | 1½" | 5.5" | N/A | 5855520 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |
| 5115520 | 2" | 5.5" | N/A | 5855520 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |
| 5116930 | 3" | 6.9" | N/A | 5856930 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5117940 | 4" | 7.9" | N/A | 5857940 | 1021990 | 1021992 | 1021991 | 1007362 | 1018268 |
| Potable PEX single pipes | | | | | | | | | |
| 5212775 | ¾" | 2.7" | N/A | 5852710 | 1021990 1007357 | 1021992 1007357 | 1021991 1007357 | 1007358 | 1018266 |
| 5212710 | 1" | 2.7" | N/A | 5852710 | 1021990 1007357 | 1021992 1007357 | 1021991 1007357 | 1007358 | 1018266 |
| 5215510 | 1" | 5.5" | N/A | 5855513 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |
| 5215513 | 1¼" | 5.5" | N/A | 5855513 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |
| 5216915 | 1½" | 6.9" | N/A | 5856930 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5216920 | 2" | 6.9" | N/A | 5856930 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5217930 | 3" | 7.9" | N/A | 5857940 | 1021990 | 1021992 | 1021991 | 1007362 | 1018268 |
| Potable PEX twin pipes | | | | | | | | | |
| 5226910 | 1" | 6.9" | N/A | 5956915 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5226913 | 1¼" | 6.9" | N/A | 5956915 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5226915 | 1½" | 6.9" | N/A | 5956915 | 1021990 | 1021992 | 1021991 | 1007361 | 1018268 |
| 5227920 | 2" | 7.9" | N/A | 5957925 | 1021990 | 1021992 | 1021991 | 1007362 | 1018268 |
| Potable PEX plus pipes | | | | | | | | | |
| 54555513 | 1¼" | 5.5" | N/A | 5855513 | 1021990 | 1021992 | 1021991 | 1007360 | 1018269 |

Pre-insulated piping systems

Weights and dimensions chart

| Part number | Service pipe | Jacket | Coil length | Coil diameter | Coil width | Coil weight | Weight per foot |
|---------------------------------|--------------|--------|-------------|---------------|------------|-------------|-----------------|
| Thermal single pipes | | | | | | | |
| 5012775 | ¾" | 2.7" | 1,000' | 75" | 31" | 350 lbs. | 0.35 lbs. |
| 5012710 | 1" | 2.7" | 1,000' | 75" | 31" | 380 lbs. | 0.38 lbs. |
| 5015510 | 1" | 5.5" | 600' | 83" | 53" | 480 lbs. | 0.80 lbs. |
| 5015513 | 1¼" | 5.5" | 500' | 83" | 44" | 400 lbs. | 0.80 lbs. |
| 5016915 | 1½" | 6.9" | 300' | 78" | 49" | 438 lbs. | 1.46 lbs. |
| 5016920 | 2" | 6.9" | 300' | 78" | 49" | 525 lbs. | 1.75 lbs. |
| 5016925 | 2½" | 6.9" | 300' | 78" | 49" | 591 lbs. | 1.97 lbs. |
| 5017930 | 3" | 7.9" | 300' | 84" | 53" | 840 lbs. | 2.80 lbs. |
| 5017935 | 3½" | 7.9" | 300' | 84" | 53" | 894 lbs. | 2.98 lbs. |
| 5017940 | 4" | 7.9" | 300' | 86" | 53" | 1,110 lbs. | 3.70 lbs. |
| Thermal twin pipes | | | | | | | |
| 5026910 | 1" | 6.9" | 600' | 93" | 64" | 922 lbs. | 1.54 lbs. |
| 5025513 | 1¼" | 5.5" | 600' | 83" | 55" | 768 lbs. | 1.28 lbs. |
| 5026913 | 1¼" | 6.9" | 500' | 93" | 53" | 853 lbs. | 1.71 lbs. |
| 5026915 | 1½" | 6.9" | 300' | 78" | 49" | 555 lbs. | 1.55 lbs. |
| 5027920 | 2" | 7.9" | 300' | 84" | 53" | 804 lbs. | 2.68 lbs. |
| 5027925 | 2½" | 7.9" | 300' | 84" | 53" | 1,020 lbs. | 3.40 lbs. |
| Potable HDPE pipes | | | | | | | |
| 5115513 | 1¼" | 5.5" | 300' | 72" | 42" | 300 lbs. | 1.00 lbs. |
| 5115515 | 1½" | 5.5" | 300' | 72" | 42" | 300 lbs. | 1.00 lbs. |
| 5115520 | 2" | 5.5" | 300' | 72" | 42" | 420 lbs. | 1.40 lbs. |
| 5116930 | 3" | 6.9" | 300' | 78" | 49" | 720 lbs. | 2.40 lbs. |
| 5117940 | 4" | 7.9" | 300' | 86" | 53" | 1,080 lbs. | 3.60 lbs. |
| Potable PEX single pipes | | | | | | | |
| 5212775 | ¾" | 2.7" | 1,000' | 75" | 31" | 350 lbs. | 0.35 lbs. |
| 5212710 | 1" | 2.7" | 1,000' | 75" | 31" | 380 lbs. | 0.38 lbs. |
| 5215510 | 1" | 5.5" | 600' | 83" | 53" | 480 lbs. | 0.80 lbs. |
| 5215513 | 1¼" | 5.5" | 500' | 83" | 44" | 400 lbs. | 0.80 lbs. |
| 5216915 | 1½" | 6.9" | 300' | 78" | 49" | 438 lbs. | 1.46 lbs. |
| 5216920 | 2" | 6.9" | 300' | 78" | 49" | 525 lbs. | 1.75 lbs. |
| 5217930 | 3" | 7.9" | 300' | 84" | 53" | 840 lbs. | 2.80 lbs. |
| Potable PEX twin pipes | | | | | | | |
| 5226910 | 1" | 6.9" | 600' | 93" | 64" | 922 lbs. | 1.54 lbs. |
| 5226913 | 1" | 6.9" | 500' | 93" | 53" | 853 lbs. | 1.71 lbs. |
| 5226915 | 1½" | 6.9" | 300' | 78" | 49" | 555 lbs. | 1.55 lbs. |
| 5227920 | 2" | 7.9" | 300' | 84" | 53" | 804 lbs. | 2.68 lbs. |
| Potable PEX plus pipes | | | | | | | |
| 5455513 | 1¼" | 5.5" | 300' | 83" | 46" | 315 lbs. | 1.05 lbs. |

Pre-insulated piping systems

Tools and accessories

Refer to the following pages for a full listing of tools and accessories.

- Tube uncoilers: **page 117**
- Tube cutters: **pages 117-118**
- ProPEX tools and accessories: **pages 119-120**
- Other tools: **page 120**
- Tubing supports: **pages 121-122**
- Fasteners, fastener tools and protectors: **pages 123-126**

Tube uncoilers

Select uncoilers facilitate the uncoiling of 5/16" to 1" Uponor PEX. The robust construction features an adjustable reel to allow for either horizontal or vertical position uncoiling. The durable wheels make for easy portability, and the uncoiler is equipped with a tubing-feed eyelet. Maximum coil size for 5/16", 3/8", 1/2", 5/8" and 3/4" tubing is 1,000 ft.; maximum size for 1" pipe is 500 ft.

| Part no. | Part description | Pkg. qty. |
|----------|------------------|-----------|
| E6062000 | Select Uncoiler | 1 |

Select uncoilers



Tube uncoilers facilitate the uncoiling of 5/16" to 1" Uponor PEX tubing. Weighted arms hold tubing in place while uncoiling. Eyelet keeps tubing from tangling. Base is collapsible. No additional hardware is necessary for attaching arms.

Note: Upon assembly, install the guide pin on the swivel arm to keep the arm in place.

| Part no. | Part description | Pkg. qty. |
|----------|------------------|-----------|
| E6061000 | Tube Uncoiler | 1 |

Tube uncoilers



Tube cutters

Metal tube cutters cut up to 1" PEX tubing. Plastic tube cutters cut up to 1" PEX.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| E6081125 | Tube Cutter (metal) for up to 1" PEX | 1 |
| E6081140 | Tube Cutter Replacement Blade for E6081125, spare part | 1 |
| E6081128 | Tube Cutter (plastic) for up to 1" PEX | 1 |
| E6081143 | Tube Cutter Replacement Blade for E6081128, spare part | 1 |

Tube cutters



Swing-style pipe cutters cut up to 4" PEX.

| Part no. | Part description |
|----------|--|
| E6084000 | Swing-style PEX Pipe Cutter, up to 4" |
| E6084001 | Tube Cutter Replacement Blade for E6084000, spare part |

Swing-style pipe cutters



Tube handling

Ratchet-style tube cutters



Ratchet-style PEX tube cutters cut up to 1" PEX. Ratchet-style large-dimension tube cutters cut 1" to 2" PEX.

| Part no. | Part description | Pkg. qty. |
|------------|--|-----------|
| ◀ E6081501 | Ratchet-style Tube Cutter for up to 1", PEX | 1 |
| ◀ E6081545 | Tube Cutter Replacement Blade for E6081501, spare part | 1 |
| ◀ E6081544 | Tube Cutter Replacement Blade for E6081500, spare part | 1 |
| E6082000 | Ratchet-style Large Dimension Tube Cutter for 1" to 2" PEX | 1 |
| ◀ E6082001 | Tube Cutter Replacement Blade for E6082000, spare part | 1 |
| E6083000 | Ratchet-style PEX Pipe Cutter, 1¼" - 3" | 1 |
| E6083001 | Tube Cutter Replacement Blade for E6083000, spare part | 1 |

S-hooks



S-hooks hang on a belt to hold large-dimension ProPEX fittings for easier, hands-free installations.

| Part no. | Part description |
|----------|----------------------------|
| E6113000 | S-hook for ProPEX fittings |

◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

ProPEX tools and accessories

Milwaukee® M12™ ProPEX expansion tools were designed in conjunction with Uponor specifically for use with Uponor PEX pipe and ProPEX fittings. They offer continuous expansions for maximum install speed, have a compact, right-angle design for use in tight spaces, and feature an auto-rotating head for convenient, single-handed operation for expanding 3/8" to 1" tubing sizes. The kit includes the Milwaukee M12 ProPEX Expansion Tool; two M12 lithium-ion batteries; a 30-minute charger; 1/2", 3/4" and 1" expansion heads; grease; and a carrying case (3/8" and 5/8" expansion heads sold separately).

Note: All standard Uponor expander heads are compatible with the M12 and M18 tools. Uponor expander heads will not auto-rotate on the Milwaukee tools (only Milwaukee expansion heads will auto-rotate on the M12 and M18). H-heads are not compatible with Milwaukee tools and Milwaukee heads are not compatible with Uponor tools. Milwaukee heads are easily distinguished by color coding and the Milwaukee logo.

Purchase Milwaukee ProPEX expansion tools for use with Uponor systems by contacting Milwaukee at 800.729.3878 or visiting milwaukeetool.com/propex.

| Model no. | Part description |
|------------|---|
| 2432-20 | Milwaukee M12 ProPEX Expansion Tool |
| 2432-22 | Milwaukee M12 ProPEX Expansion Tool Kit |
| 49-16-2403 | 3/8" ProPEX Expansion Head |
| 49-16-2404 | 1/2" ProPEX Expansion Head |
| 49-16-2405 | 5/8" ProPEX Expansion Head |
| 49-16-2406 | 3/4" ProPEX Expansion Head |

Milwaukee® M12™ ProPEX expansion tools



Milwaukee M18™ ProPEX expansion tools were designed in conjunction with Uponor specifically for use with Uponor PEX pipe and ProPEX fittings. They offer continuous expansions for maximum install speed, have magnesium construction for jobsite durability, and feature an auto-rotating head for convenient, single-handed operation for expanding 3/8" to 1 1/2" tubing sizes. The kit includes the Milwaukee M18 ProPEX Expansion Tool; two M18 XC lithium-ion batteries; a 30-minute charger; 1", 1 1/4" and 1 1/2" expansion heads; grease; and a carrying case.

Note: All standard Uponor expander heads are compatible with the M12 and M18 tools. Uponor expander heads will not auto-rotate on the Milwaukee tools (only Milwaukee expansion heads will auto-rotate on the M12 and M18). H-heads are not compatible with Milwaukee tools and Milwaukee heads are not compatible with Uponor tools. Milwaukee heads are easily distinguished by color coding and the Milwaukee logo.

Purchase Milwaukee ProPEX expansion tools for use with Uponor systems by contacting Milwaukee at 800.729.3878 or visiting milwaukeetool.com/propex.

| Model no. | Part description |
|------------|---|
| 2632-20 | Milwaukee M18 ProPEX Expansion Tool |
| 2632-22 | Milwaukee M18 ProPEX Expansion Tool Kit |
| 49-16-2608 | 1" M18 ProPEX Expansion Head |
| 49-16-2610 | 1 1/4" M18 ProPEX Expansion Head |
| 49-16-2612 | 1 1/2" M18 ProPEX Expansion Head |

Milwaukee M18™ ProPEX expansion tools



Tools and accessories

Milwaukee M18 FORCE LOGIC™ 2" – 3" ProPEX expansion tools



Milwaukee M18 FORCE LOGIC™ ProPEX expansion tool was designed in conjunction with Uponor specifically for use with Uponor PEX pipe and ProPEX fittings. They offer continuous expansions for maximum install speed, have magnesium construction for jobsite durability, and feature an auto-rotating head for convenient operation for expanding 2", 2½" and 3" pipe sizes. The kit includes the Milwaukee M18 FORCE LOGIC ProPEX Expansion Tool; two M18 REDLITHIUM XC 9.0 extended-capacity battery packs; M18 and M12 multi-voltage charger; 2", 2½" and 3" expansion heads; 150g ProPEX expander cone grease; side handle; and a carrying case. The M18™ FORCE LOGIC™ 2" – 3" ProPEX® Expansion Tool is also compatible with Milwaukee's ONE-KEY™ digital platform, delivering Integrated Tool Tracking & Security, Service Reporting, and Simplified Tool and Equipment Management. This product feature allows users to protect their investment as well as increase their productivity.

Note: All standard Uponor expander heads are compatible with the M12 and M18 tools. Uponor expander heads will not auto-rotate on the Milwaukee tools (only Milwaukee expansion heads will auto-rotate on the M12, M18 and M18 FORCE LOGIC). H-heads are not compatible with Milwaukee tools and Milwaukee heads are not compatible with Uponor tools. Milwaukee heads are easily distinguished by color coding and the Milwaukee logo.

Purchase Milwaukee ProPEX expansion tools for use with Uponor systems by contacting Milwaukee at 800.729.3878 or visiting milwaukeetool.com/propex.

| Model no. | Part description |
|-----------|---|
| 2633-20HD | Milwaukee M18 FORCE LOGIC ProPEX Expansion Tool |
| 2633-22HD | Milwaukee M18 FORCE LOGIC ProPEX Expansion Tool Kit |

Other tools

Service wrenches



Service wrenches feature a lightweight, compact design. Use the 1⅜" Service Wrench to tighten QS-style fitting assemblies to the manifolds. Use the TruFLOW Service Wrench, 46mm (1⅞") to tighten manifold union nuts.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------------|-----------|
| E6111188 | 1⅜" Service Wrench | 1 |
| E6110046 | TruFLOW Service Wrench, 46mm (1⅞") | 1 |

Quik Trak installation tool kits



Quik Trak installation tool kits feature an auto-feed screw system for labor-saving speed on Quik Trak installations. The easy-to-use screw gun is lightweight and the extension arm reduces fatigue. The kit includes a 120VAC screw gun with vertical extension arm, square-head drive screw bits, bit-retrieval tool and hard-sided case.

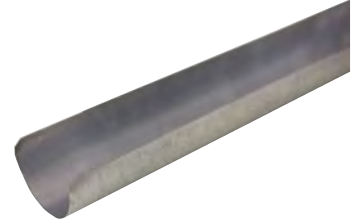
| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| E6050000 | Quik Trak Installation Tool Kit | 1 |
| E6050005 | Quik Drive Bits (set of 3 square drive bits) | 1 |

Tubing supports

PEX-a pipe supports are made of 23-gauge, galvanized steel and are available in 1/2" to 3 1/2" sizes for suspended commercial plumbing and hydronic piping applications, enabling extended support spacing. Each package quantity contains 15 support straps (i.e., three support straps per 9-ft. length).

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| F7040500 | 1/2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7040750 | 3/4" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041000 | 1" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041250 | 1 1/4" PEX-a Pipe Support, 9-ft. length | 5 |
| F7041500 | 1 1/2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7042000 | 2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7042500 | 2 1/2" PEX-a Pipe Support, 9-ft. length | 5 |
| F7043000 | 3" PEX-a Pipe Support, 9-ft. length | 5 |
| F7043500 | 3 1/2" PEX-a Pipe Support, 9-ft. length | 5 |
| Q7410510 | PEX-a Pipe Support Strapping for 1/2", 3/4" and 1" PEX | 100 |
| Q7411220 | PEX-a Pipe Support Strapping for 1 1/4", 1 1/2" and 2" PEX | 100 |
| Q7412540 | PEX-a Pipe Support Strapping for 2 1/2", 3" and 3 1/2" PEX | 100 |

PEX-a pipe supports



Plastic bend supports (glass-reinforced nylon) provide a rigid, 90-degree bend and sleeve for 3/8", 1/2" and 3/4" Uponor PEX tubing. The 1/2" bend support works with PEX wall support brackets (A5750500).

| Part no. | Part description | Pkg. qty. |
|----------|---------------------------|-----------|
| A5150375 | 3/8" Plastic Bend Support | 25 |
| A5250500 | 1/2" Plastic Bend Support | 25 |
| A5150750 | 3/4" Plastic Bend Support | 50 |

Plastic bend supports



Metal bend supports (zinc-plated) provide a rigid, 90-degree bend for 3/8", 1/2", 5/8" and 3/4" Uponor PEX tubing.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------|-----------|
| A5110375 | 3/8" Metal Bend Support | 50 |
| A5110500 | 1/2" Metal Bend Support | 50 |
| A5110625 | 5/8" Metal Bend Support | 50 |
| A5110750 | 3/4" Metal Bend Support | 25 |

Metal bend supports



Plastic drop ear bend supports (glass-reinforced nylon) provide a rigid, 90-degree bend and connection-free stub out from a stud wall or floor for 3/8" or 1/2" Uponor PEX tubing.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------------|-----------|
| F5200375 | 3/8" Plastic Drop Ear Bend Support | 25 |
| F5200500 | 1/2" Plastic Drop Ear Bend Support | 25 |

Plastic drop ear bend supports



Tubing supports

Metal drop ear bend supports



Metal drop ear bend supports (zinc-plated) provide a rigid, 90-degree bend and connection-free stub out from a stud wall or floor for $\frac{3}{8}$ " or $\frac{1}{2}$ " Uponor PEX tubing.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| F5120375 | $\frac{3}{8}$ " Metal Drop Ear Bend Support | 25 |
| F5120500 | $\frac{1}{2}$ " Metal Drop Ear Bend Support | 25 |

PVC bend supports



PVC bend supports provide a rigid, 90-degree bend and sleeve for $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ " and 1" Uponor PEX tubing runs exiting a concrete slab.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| A5500500 | $\frac{3}{4}$ " PVC Elbow for $\frac{3}{8}$ " and $\frac{1}{2}$ " PEX Bend Support | 25 |
| A5500625 | 1" PVC Elbow for $\frac{5}{8}$ " PEX Bend Support | 25 |
| A5500750 | 1 $\frac{1}{4}$ " PVC Elbow for $\frac{3}{4}$ " PEX Bend Support | 20 |
| A5501000 | 1 $\frac{1}{2}$ " PVC Elbow for 1" PEX Bend Support | 25 |

Metal straight-through supports



Metal straight-through supports (zinc-plated) provide rigid straight-through support for $\frac{1}{2}$ " Uponor PEX tubing as it exits a floor.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| F5140500 | $\frac{1}{2}$ " Metal Straight-through Support | 25 |

PEX wall support brackets



PEX wall support brackets provide rigid, straight-through support for $\frac{1}{2}$ " or $\frac{3}{4}$ " Uponor AquaPEX tubing and $\frac{1}{2}$ " copper stubs. It features fixed, 2" on-center spacing, and allows the $\frac{1}{2}$ " Plastic Bend Support (A5250500) to snap into place for $\frac{1}{2}$ " Uponor AquaPEX tubing as it exits a wall.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A5750500 | PEX Wall Support Bracket, $\frac{1}{2}$ " and $\frac{3}{4}$ " | 25 |
| A5250500 | $\frac{1}{2}$ " Plastic Bend Support | 25 |

PEX stand-up brackets



PEX stand-up brackets are used in residential slab or commercial multi-floor construction. Secure the bracket to the deck form. Then install the $\frac{1}{2}$ " PEX tubing in the bracket, either with the $\frac{1}{2}$ " PEX tubing alone or the $\frac{1}{2}$ " PEX tubing sleeved inside a corrugated polyethylene carrier tube. The brackets are available in either single- or five-tube configurations.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| F5801000 | Single-tube PEX Stand-up Bracket for $\frac{1}{2}$ " PEX | 60 |
| F5805000 | Five-tube PEX Stand-up Bracket for $\frac{1}{2}$ " PEX | 16 |

Fasteners and fastener tools

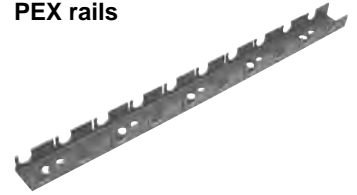
Fasteners and fastener tools

PEX rails secure Uponor PEX tubing products to metal and wood support structures.

Note: Suitable fastening hardware is required (not included).

| Part no. | Part description | Pkg. qty. |
|----------|----------------------|-----------|
| A5700500 | ½" PEX Rail, 6.5 ft. | 16 |
| A5700625 | ⅝" PEX Rail, 6.5 ft. | 16 |
| A5700750 | ¾" PEX Rail, 6.5 ft. | 16 |

PEX rails



Protective tubing caps are intended to protect the tubing from debris during the installation phase. Easily installed on and removed from the tubing terminations, they are not for permanent application.

Note: Do not use for pressure testing.

| Part no. | Part description | Pkg. qty. |
|----------|--------------------------|-----------|
| F4350500 | ½" Protective Tubing Cap | 50 |
| F4350625 | ⅝" Protective Tubing Cap | 50 |
| F4350750 | ¾" Protective Tubing Cap | 50 |
| F4351000 | 1" Protective Tubing Cap | 50 |

Protective tubing caps



PEX clips provide excellent holding power. The ⅜" and ½" can attach together laterally for tight installations. PEX clips attach under the wood subfloor for joist-heating applications. The clips prevent the tubing from coming in direct contact with the subfloor, eliminating the possibility of creating uncomfortable hot spots on the floor above. Drywall screws are commonly used to secure the clips to the wood subfloor.

Note: Select a screw length that does not penetrate entirely through the wood subfloor once installed.

| Part no. | Part description | Pkg. qty. |
|----------|-----------------------|-----------|
| F7060375 | ⅜" PEX Clip, 100/pkg. | 1 |
| F7051258 | ½" PEX Clip, 100/pkg. | 1 |
| F7057500 | ¾" PEX Clip, 100/pkg. | 1 |
| F7051001 | 1" PEX Clip, 50/pkg. | 1 |

PEX clips



Tube talons secure ⅜", ½", ⅝", ¾" and 1" Uponor PEX tubing products. Fasteners are included.

| Part no. | Part description | Pkg. qty. |
|----------|---------------------------------------|-----------|
| F7050375 | Tube Talon (⅜" PEX), 100/pkg. | 1 |
| F7050750 | Tube Talon (½", ⅝", ¾" PEX), 100/pkg. | 1 |
| F7051000 | Tube Talon (1" PEX), 50/pkg. | 1 |

Tube talons



Fasteners and fastener tools

Tube clamps



Tube clamps secure 1/2" and 3/4" Uponor PEX tubing products.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A7250500 | Tube Clamp Suspension (1/2 PEX), 100/pkg. | 1 |
| A7250750 | Tube Clamp Suspension (3/4 PEX), 50/pkg. | 1 |
| A7350500 | Tube Clamp Standard (1/2 PEX), 100/pkg. | 1 |
| A7350750 | Tube Clamp Standard (3/4 PEX), 50/pkg. | 1 |

Tubing clips



Tubing clips secure 1/2" Uponor PEX tubing in shallow installations where tube talons are unsuitable.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------------|-----------|
| Q7400500 | Plastic Tubing Clip, 1/2", 100/pkg. | 1 |

Fixing wire twisters



Use fixing wire twisters with fixing wire (A7031000).

| Part no. | Part description | Pkg. qty. |
|----------|---------------------|-----------|
| E6090005 | Fixing Wire Twister | 1 |

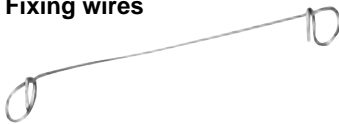
Ratchet-style fixing wire twisters



Use ratchet-style fixing wire twisters with fixing wire (A7031000).

| Part no. | Part description | Pkg. qty. |
|----------|-----------------------------------|-----------|
| E6091700 | Ratchet-style Fixing Wire Twister | 1 |

Fixing wires



Specially formulated 6" galvanized steel alloy ties secure Uponor PEX tubing products to wire mesh or rebar. Use with fixing wire twisters (E6090005 or E6091700).

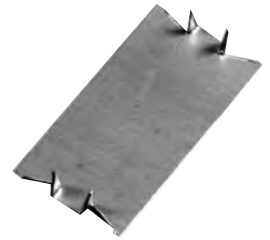
| Part no. | Part description | Pkg. qty. |
|----------|---------------------------|-----------|
| A7031000 | Fixing Wire, 1,000/bundle | 1 |

Fasteners and fastener tools

Steel plate protectors protect tubing from possible damage by drywall, trim screws or nails. The 1½" x 3" plates are made of 16-gauge steel.

| Part no. | Part description | Pkg. qty. |
|----------|---------------------------------|-----------|
| F5700002 | Steel Plate Protector, 100/pkg. | 1 |

Steel plate protectors



Quik Trak screws are designed specifically for Quik Trak installations using ¾" subfloors.

| Part no. | Part description | Pkg. qty. |
|----------|------------------------------------|-----------|
| E6051250 | Quik Trak Screws (1¼"), 2,500/pkg. | 1 |

Quik Trak screws



Quik Trak sealant is 100% silicone and provides good thermal transfer. Use to adhere ⅝" Wirsbo hePEX tubing in the Quik Trak groove. One tube of sealant covers 146 linear feet or 86 square feet of space.

| Part no. | Part description | Pkg. qty. |
|----------|--|-----------|
| E6050010 | Quik Trak Sealant, 10.3 fluid oz. (300 ml) | 24 |

Quik Trak sealant



Pneumatic stapler kits fire ⅝" through 1¼" staples with a 1" crown. Kit includes stapler, walking stick and conventional nose piece for attaching ½" and ⅝" Uponor PEX to subfloors.

| Part no. | Part description | Pkg. qty. |
|----------|-----------------------|-----------|
| E6021638 | Pneumatic Stapler Kit | 1 |

Pneumatic stapler kits

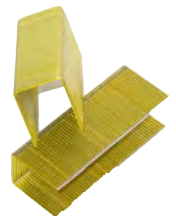


Metal staples are available in 1¼" lengths with a 1" crown. Use 1¼" staples in staple-down installations to secure ⅜", ½" and ⅝" Uponor PEX to wood subfloors.

Note: Uponor does not recommend using these staples for joist-heating applications.

| Part no. | Part description | Pkg. qty. |
|----------|-------------------------------|-----------|
| A7021250 | 1¼" Metal Staples, 2,500/pkg. | 1 |

Metal staples



Fasteners and fastener tools

PEX foam staplers



PEX foam staplers secure Uponor PEX to foam board insulation in concrete-slab radiant heating and cooling applications.

| Part no. | Part description | Pkg. qty. |
|----------|------------------|-----------|
| E6025000 | PEX Foam Stapler | 1 |

Blue foam staples



Use blue foam staples with PEX foam staplers (E6025000) to secure $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " and $\frac{3}{4}$ " Uponor PEX to foam board insulation.

| Part no. | Part description | Pkg. qty. |
|----------|--------------------------------|-----------|
| A7012000 | 2" Blue Foam Staples, 300/pkg. | 1 |

Plastic foam staples



Use Plastic Foam Staples with Manual Foam Stapler (E6025075) to secure $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " and $\frac{3}{4}$ " Uponor PEX to rigid foam insulation.

Note: Use $1\frac{1}{2}$ " Foam Staples (A7015050) for 1" foam and $2\frac{1}{2}$ " Foam Staples (A7015075) for $1\frac{1}{2}$ " or thicker foam.

| Part no. | Part description | Pkg. qty. |
|----------|---|-----------|
| A7015050 | $1\frac{1}{2}$ " Plastic Foam Staples, 300/pkg. | 1 |
| A7015075 | $2\frac{1}{2}$ " Plastic Foam Staples, 300/pkg. | 1 |



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