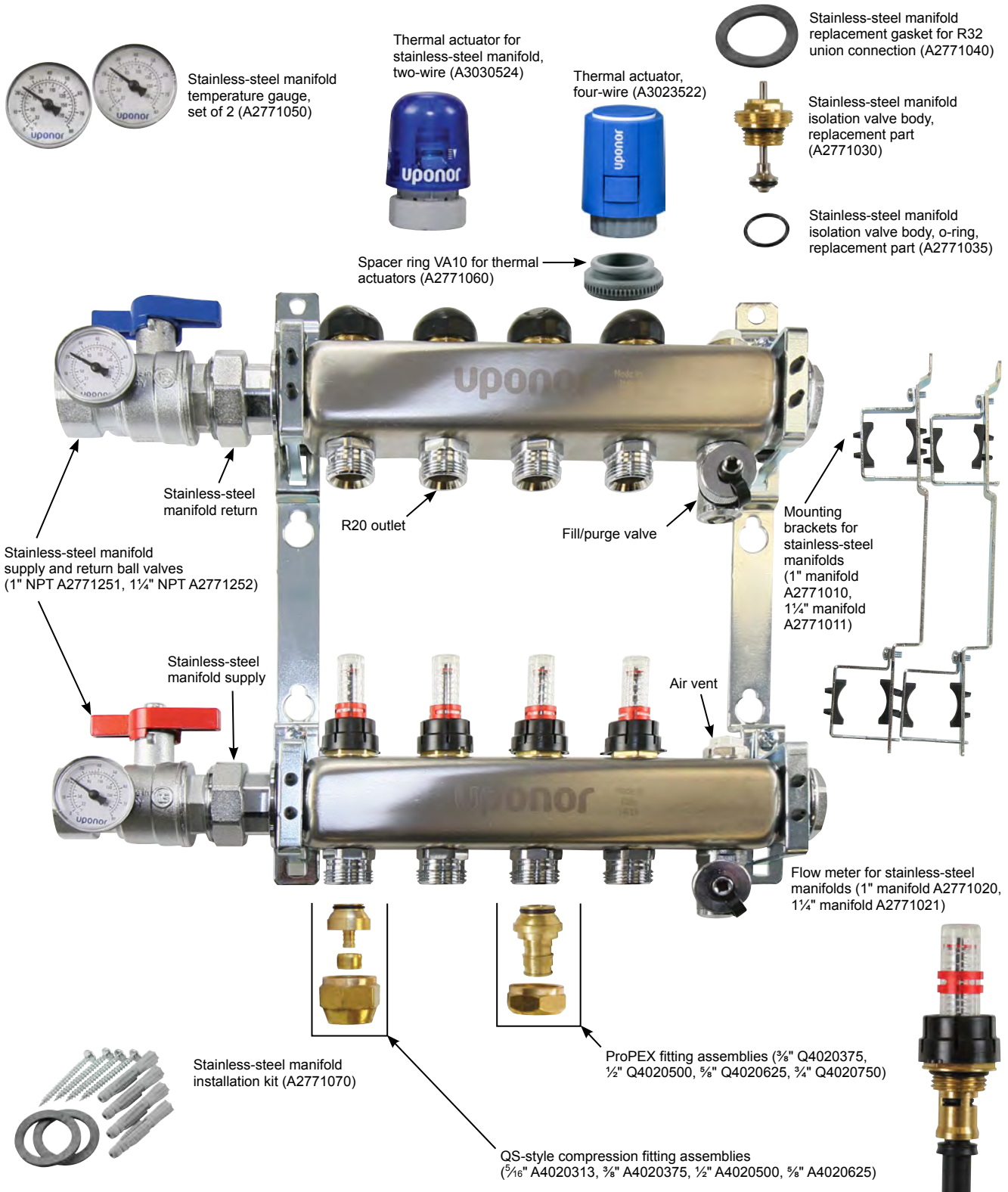


Radiant and hydronic piping systems

Stainless-steel manifolds exploded view



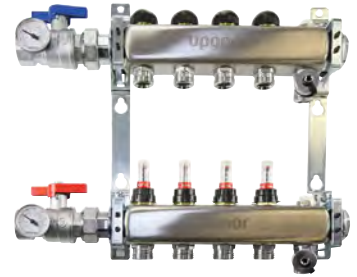
Radiant and hydronic piping systems

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 1¼" sizes. All manifold supply and return ball valves feature 1" NPT thread except for 1¼" manifold assemblies with 8, 10 and 12 loops which feature 1¼" NPT.

Note: The 1¼" 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, 1¼" with flow meter, B&I, ball valve, 2 loops	1
A2720302	Stainless-steel Manifold Assembly, 1¼" with flow meter, B&I, ball valve, 3 loops	1
A2720402	Stainless-steel Manifold Assembly, 1¼" with flow meter, B&I, ball valve, 4 loops	1
A2720502	Stainless-steel Manifold Assembly, 1¼" with flow meter, B&I, ball valve, 5 loops	1
A2720602	Stainless-steel Manifold Assembly, 1¼" with flow meter, B&I, ball valve, 6 loops	1
A2720702	Stainless-steel Manifold Assembly, 1¼" with flow meter, B&I, ball valve, 7 loops	1
A2720802	Stainless-steel Manifold Assembly, 1¼" with flow meter, B&I, ball valve, 8 loops	1
A2721002	Stainless-steel Manifold Assembly, 1¼" with flow meter, B&I, ball valve, 10 loops	1
A2721202	Stainless-steel Manifold Assembly, 1¼" 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

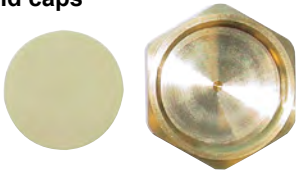
Brass manifold pressure test kits



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

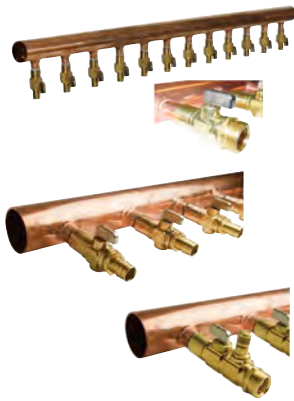
QS-style compression rings



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.
◀ B2252751	2" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX	1
◀ B2272101	2" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 1" ProPEX	1
◀ B2252752	2" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX	1
◀ B2272102	2" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX	1
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

◀ 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

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](#).

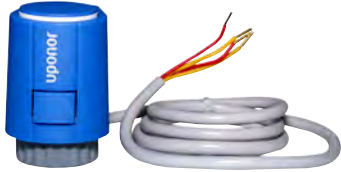
Part no.	Part description	Pkg. qty.
A3030522	Two-wire Thermal Actuator for EP Heating Manifolds	1
A3030523	Two-wire Thermal Actuator for TruFLOW Classic and Jr. Valved Manifolds	1
A3030524	Two-wire Thermal Actuator for Stainless-steel Manifolds	1

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











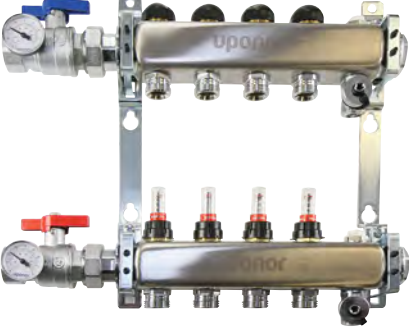





Single-zone snow melt control accessories include various sensors and sensor cups.

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>TruFLOW manifolds</p> 	<p>Two-wire Thermal Actuator for TruFLOW Classic and Jr. Valved Manifolds (A3030523)</p>  <p>TruFLOW Manifold Actuator Adapter (A2630028)</p> 	<p>Four-wire Thermal Actuator (A3023522)</p>  <p>Adapter Ring (A2870100) (female thread with green stem extension)</p>  <p>TruFLOW Manifold Actuator Adapter (A2630028)</p> 
<p>EP heating manifolds</p> 	<p>Two-wire Thermal Actuator for EP Heating Manifolds (A3030522)</p> 	<p>Four-wire Thermal Actuator (A3023522)</p>  <p>Adapter Ring (A2671300) (male thread with red stem extension)</p> 
<p>Stainless-steel manifolds</p> 	<p>Two-wire Thermal Actuator for Stainless-steel Manifolds (A3030524)</p> 	<p>Four-wire Thermal Actuator (A3023522)</p>  <p>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

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

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
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

ProPEX reducing tees



Radiant and hydronic piping systems

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.

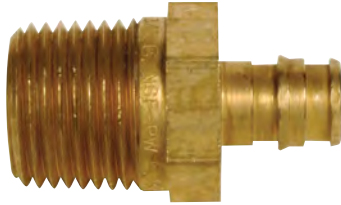
Note: ProPEX tool is required. ProPEX rings sold separately.

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
Q4397575	ProPEX Baseboard Tee, 3/4" PEX x 3/4" Copper Adapter with 1/8" vent tapping	10

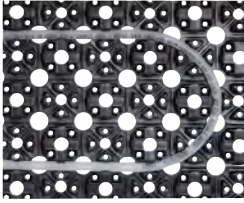


◀ Discontinued item; available while quantities last. Please contact Uponor Customer Service at 888.594.7726 for availability. All sales are final. See the alphanumeric on pages 127-153 for a listing of alternative part numbers.

Radiant and hydronic piping systems

Heat-transfer panels and plates

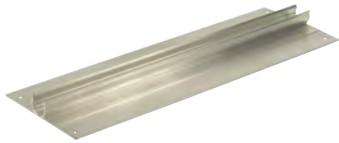
Fast Trak™



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

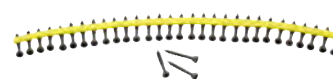
Quik Trak combo panels



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

Part no.	Part description	Pkg. qty.
E6051250	Quik Trak Screws ($\frac{1}{4}$ "), 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

