

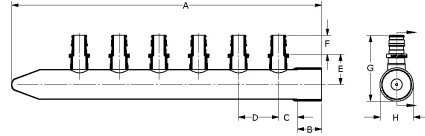
# ProPEX (type L) copper branch manifolds

## Project Information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

## Technical data

Material	Copper
Subcomponent Material	Copper, LF Brass
Manifold size	1 inch
End type 1	ProPEX 1/2"
End type 2	Sweat 1"
Temp/pressure ratings	73 °F (23 °C) at 160 psi (11 bar) 180 °F (82 °C) at 100 psi (6.9 bar) 200 °F (93 °C) at 80 psi (5.5 bar) 210 °F (99 °C) at 149 psi (10.3 bar)
Max. fluid flow rate	21 gpm
Prop 65 label required?	Yes



## Product Information and application use

The Uponor 1" Copper Branch Manifold with 1/2" ProPEX® Lead-free (LF) Outlets is used for hot and cold domestic potable-water distribution systems.1 The manifold has a 1" copper sweat fitting adapter supply connection. All outlets are configured with 1/2" ProPEX LF brass connections.

Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PEX Piping Systems Design and Installation Manual.

Part name	Part no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Weight per UOM [kg/UOM]
ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 4 outlets	LF2801050	220.35	25.06	16.22	38.10	29.02	18	62.97	31.90	0.363
ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 6 outlets	LF2811050	296.55	25.06	16.22	38.10	29.02	18	62.97	31.90	0.499
ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 8 outlets	LF2821050	372.75	25.06	16.22	38.10	29.02	18	62.97	31.90	0.635
ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 10 outlets	LF2831050	448.95	25.06	16.22	38.10	29.02	18	62.97	31.90	0.771
ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 12 outlets	LF2841050	525.15	25.06	16.22	38.10	29.02	18	62.97	31.90	0.862

Part name	Part no.	Codes	Standards	Listings
ProPEX (type L) copper branch manifolds	All	UPC IBC IRC IPC NPC of Canada NSPC IMC	NSF/ANSI/CAN 372 ASTM F877 ASTM F1960 CSA B137.5 NSF/ANSI/CAN 61 NSF/ANSI 14	IAPMO-ES ICC-ES-PMG cNSFus-pw-G U.P.Code

In addition, the following parts have additional codes, standards, or listings:

ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 4 outlets	LF2801050	UMC		
ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 6 outlets	LF2811050	UMC		
ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 10 outlets	LF2831050	UMC		
ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 12 outlets	LF2841050	UMC		

## Installation

Use any product designed to mount 1" copper pipe as a mounting bracket. Any bend within 6 inches of the ProPEX connection to the manifold requires the use of a Tube Talon (F7050750) or Bend Support (A5110500 and A5150500). Refer to the Uponor Commercial Piping Pocket Guide, Uponor AquaSAFE™ Residential Fire Sprinkler Installation Guide or the Uponor Radiant Installation Handbook for additional information.

## Related applications

- PEX-a Plumbing Systems
- Residential fire safety systems
- Radiant Heating and Cooling Systems

Maximum Flow Rate at 5 fps: 12.8 gpm  
Maximum Flow Rate at 8 fps: 20.5 gpm

Footnotes

Contact information

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