

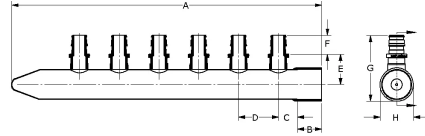
# ProPEX (type L) copper branch manifolds

## 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)<br>180 °F (82 °C) at 100 psi (6.9 bar)<br>200 °F (93 °C) at 80 psi (5.5 bar)<br>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 [inch] | B [inch] | C [inch] | D [inch] | E [inch] | F [inch] | G [inch] | H [inch] | Weight per UOM [lbs/UOM] |
|--|-----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------------|
| ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 4 outlets  | LF2801050 | 8.675    | 0.987    | 0.639    | 1.5      | 1.143    | 0.709    | 2.479    | 1.256    | 0.8                      |
| ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 6 outlets  | LF2811050 | 11.675   | 0.987    | 0.639    | 1.5      | 1.143    | 0.709    | 2.479    | 1.256    | 1.1                      |
| ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 8 outlets  | LF2821050 | 14.675   | 0.987    | 0.639    | 1.5      | 1.143    | 0.709    | 2.479    | 1.256    | 1.4                      |
| ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 10 outlets | LF2831050 | 17.675   | 0.987    | 0.639    | 1.5      | 1.143    | 0.709    | 2.479    | 1.256    | 1.7                      |
| ProPEX 1" Copper Branch Manifold with 1/2" ProPEX LF brass outlets, 12 outlets | LF2841050 | 20.675   | 0.987    | 0.639    | 1.5      | 1.143    | 0.709    | 2.479    | 1.256    | 1.9                      |

| Part name                               | Part no. | Codes                                  | Standards   | Listings                                 |
|---|----------|--|---|--|
| ProPEX (type L) copper branch manifolds | All      | UPC IBC IRC IPC NPC of Canada NSPC IMC | NSF-372 ASTM F877 ASTM F1960 CSA B137.5 NSF-61 NSF-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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