

HDPE valveless manifolds

| Project information | |
|--------------------------------|-----------------|
| Job name: | Location: |
| Engineer: | Date submitted: |
| Contractor: | Submitted by: |
| Manufacturer's representative: | Approved by: |

Technical data

Material HDPE

 Subcomponent Material
 3408 Polyethylene material

 Temp/pressure ratings
 73 °F (23 °C) at 160 psi (11 bar)

 120 °F (49 °C) at 100 psi (6.9 bar)

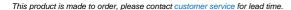
 140 °F (60 °C) at 80 psi (5.5 bar)

100 °F (38 °C) at 125 psi (8.6 bar)

Prop 65 label required? Yes

Product information and application use

Uponor offers the multiple-outlet HDPE Valveless Manifolds for applications with greater flow requirements (larger than 5,000 square feet). Manufactured with grade 303 stainless steel ProPEX® fittings $(\frac{3}{4}$ " or 1") hydraulically pressed onto the outlet nipples, these manifolds are maintenance-free and suitable for direct burial. The HDPE Valveless Manifolds come with standard 12" on-center (o.c.) outlet spacing.





| Part name | Part no. | C [inch] | Inner diameter pipe [inch] | Outer diameter pipe [inch] | End Type 1 | Operating temperature max. [°F] | Flow Rate Max. [gpm] | Weight per UOM [lbs/UOM] |
|--|----------|----------|-------------------------------------|-------------------------------------|----------------|---------------------------------------|-------------------------------|--------------------------------|
| 3" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX | B2253751 | 6.5 | 2.8201 | 3.5 | ProPEX 3/4" | 240.8 | 116 | 15.9 |
| $3" \times 10' \text{ HDPE Valveless Manifold (12" o.c.), 10 outlet, 1"}$ ProPEX | B2273101 | 6.5 | 2.8201 | 3.5 | ProPEX 1" | 240.8 | 116 | 15.9 |
| 3"x20'HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX | B2253752 | 6.5 | 2.8201 | 3.5 | ProPEX 3/4" | 240.8 | 116 | 31.8 |
| 3" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX | B2273102 | 6.5 | 2.8201 | 3.5 | ProPEX 1" | 240.8 | 116 | 32 |
| 4" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX | B2254751 | 7.5 | 3.6299 | 4.5 | ProPEX 3/4" | 438.8 | 226 | 24.9 |
| 4" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 1" ProPEX | B2274101 | 7.5 | 3.6299 | 4.5 | ProPEX 1" | 438.8 | 226 | 26 |
| 4" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX | B2254752 | 7.5 | 3.6299 | 4.5 | ProPEX 3/4" | 438.8 | 226 | 49.8 |
| 4" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX | B2274102 | 7.5 | 3.6299 | 4.5 | ProPEX 1" | 438.8 | 226 | 52 |

| Part name | Part no. | Codes | Standards | Listings |
|--------------------------|----------|--------------------|---|--------------------------------------|
| HDPE valveless manifolds | All | NPC of Canada NSPC | ASTM F1960 CSA B137.5 NSF- 61 ASTM D3350 NSF-14 CGSB 41- GP-25M | NSF 14- and 61-certified PPI PE-3408 |

Installation Related applications

Connect HDPE tubing through fusion welding. Connect PEX tubing to outlets via ProPEX connection method. For additional information, refer to the Radiant Floor Heating Installation Handbook.

Radiant Heating and Cooling Systems
Permafrost Protection Systems

Turf Conditioning Systems

Notes

140°F at 80 psi (60°C at 5.5 bar)

120°F at 100 psi (49°C at 6.9 bar) 100°F at 125 psi (38°C at 8.6 bar)

73.4°F at 160 psi (23°C at 11 bar)

Maximum Recommended Flow Rates:

2" — 41 gpm; 3" — 116 gpm; 4"

Footnotes Contact information

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