

HDPE valveless manifolds

Project Information

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

Technical data

Material	HDPE
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 (3/4" or 1") hydraulically pressed onto the outlet nipples, these manifolds are maintenance-free and suitable for direct burial.1 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]	Weight per UOM [lbs/UOM]	End Type 1	Flow Rate Max. [gpm]
3" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX	B2253751	6.5	2.8201	3.5	15.9	ProPEX 3/4"	-
3" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX	B2253752	6.5	2.8201	3.5	31.8	ProPEX 3/4"	-
4" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX	B2254751	7.5	3.6299	4.5	24.9	ProPEX 3/4"	-
4" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX	B2254752	7.5	3.6299	4.5	49.8	ProPEX 3/4"	-
3" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 1" ProPEX	B2273101	6.5	2.8201	3.5	15.9	ProPEX 1"	-
3" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX	B2273102	6.5	2.8201	3.5	32	ProPEX 1"	-
4" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 1" ProPEX	B2274101	7.5	3.6299	4.5	26	ProPEX 1"	-
4" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX	B2274102	7.5	3.6299	4.5	52	ProPEX 1"	-

Installation

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.

Related applications

- Radiant Heating and Cooling Systems
- Permafrost Protection Systems
- Turf Conditioning Systems

Codes

NPC of Canada|NSPC

Standards

ASTM F1960|CSA B137.5|NSF-61|ASTM D3350|NSF-14|CGSB 41-GP-25M

Listings

NSF 14- and 61-certified|PPI PE-3408

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"

Trademark Information

ProPEX® is a registered trademark of Uponor Inc. ProPEX™ is a trademark of Uponor Ltd.

Contact Information

Uponor Inc.
5925 148th Street West
Apple Valley, MN 55124
T 800.321.4739
F 952.891.2008

Uponor Ltd.
6510 Kennedy Road
Mississauga, ON L5T 2X4
T 888.594.7726
F 800.636.9517