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 (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.	End Type 1	Weight per UOM [kg/UOM]
✔	3" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX	B2253751	ProPEX 3/4"	7.212
	3" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 1" ProPEX	B2273101	ProPEX 1"	7.212
	3" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX	B2253752	ProPEX 3/4"	14.424
	3" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX	B2273102	ProPEX 1"	14.515
	4" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 3/4" ProPEX	B2254751	ProPEX 3/4"	11.295
	4" x 10' HDPE Valveless Manifold (12" o.c.), 10 outlet, 1" ProPEX	B2274101	ProPEX 1"	11.794
	4" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 3/4" ProPEX	B2254752	ProPEX 3/4"	22.589
	4" x 20' HDPE Valveless Manifold (12" o.c.), 20 outlet, 1" ProPEX	B2274102	ProPEX 1"	23.587

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

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

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

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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 800.638.9517

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