

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.	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" x 10' 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" x 20' 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

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		Contact information	
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