

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. The HDPE Valveless Manifolds come with standard 12" on-center (o.c.) outlet spacing.

This product is made to order, please contact [customer service](#) for lead time.



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	-	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	-	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	-	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	-	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	-	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	-	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	-	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	-	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/ANSI/CAN 61 ASTM D3350 NSF/ANSI 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"

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