

Engineered Plastic (EP) Heating Manifold Assemblies

Submittal Information

Revision B: April 19, 2011

Project Information

Job Name:	
Location:	Part No. Ordered:
Engineer:	Date Submitted:
Contractor:	Submitted By:
Manufacturer's Representative:	Approved By:

Technical Data

Manifold, Connecting Piece, Elbow, End Part:	PA66-GF30	Max. Test Pressure (24 h, ≤ 86°F) tested with water:	145 psi (10 bar)
Bracket, Locking Screw:	PA66-GF15	Max. Test Pressure (24 h, ≤ 70°F) tested with air:	100 psi (7 bar)
Valve Insert (all plastic parts), Hand Wheels:	POM	Max. Water Flow per Manifold:	0.97 l/s 15.4 gpm
Adjusting Screen:	ABS	Cv Value Inlet/Outlet Valves:	1.35
Glass Flow Meter	PA12	Spring:	Stainless Steel
Metal Inserts:	Brass C38500	O-ring:	EPDM
Axel:	Stainless Steel	Flat Gasket:	IT-C
Adaptable Actuators:	EP Heating Manifold, two-wire Actuator (A3030522); Thermal Actuator, four-wire (A3010522) with EP Heating Manifold Actuator Adaptor (A2671300)		
Maximum Operating Temperature and Pressure:	6 bar at 60°C	5 bar at 70°C	
	87 psi at 140°F	72 psi at 158°F	
	4 bar at 80°C	3 bar at 90°C	
	58 psi at 176°F	44 psi at 194°F	



Product Information and Application Use

The Engineered Plastic (EP) Heating Manifold Assemblies feature isolation valves and balancing valves with flow meters, and come fully assembled, ready for installation in hydronic radiant heating and cooling systems. The manifolds are available in 2 through 8 loops, the body ends feature R32 unions and the loop outlets have R20 male threads. The manifold mounts on a bracket (A2670006) that comes with the assembly. Use only propylene glycol in radiant systems with EP Heating Manifolds; never use ethylene glycol.

✓	Description	Part Number	Height	Width	Depth	Weight
	EP Heating Manifold Assembly with Flow Meter, 2-loop	A2670201	14.0"	9.6"	2.7"	3.50 lbs.
	EP Heating Manifold Assembly with Flow Meter, 3-loop	A2670301	14.0"	11.6"	2.7"	4.16 lbs.
	EP Heating Manifold Assembly with Flow Meter, 4-loop	A2670401	14.0"	13.6"	2.7"	4.82 lbs.
	EP Heating Manifold Assembly with Flow Meter, 5-loop	A2670501	14.0"	15.6"	2.7"	5.48 lbs.
	EP Heating Manifold Assembly with Flow Meter, 6-loop	A2670601	14.0"	17.6"	2.7"	6.14 lbs.
	EP Heating Manifold Assembly with Flow Meter, 7-loop	A2670701	14.0"	19.5"	2.7"	6.80 lbs.
	EP Heating Manifold Assembly with Flow Meter, 8-loop	A2670801	14.0"	21.5"	2.7"	7.46 lbs.

Installation

Do not use thread sealant on connections. Carriers present in these compounds can crack the plastic port connections, resulting in leaks and water damage. For additional information, refer to the EP Heating Manifold Instruction Sheet. **Note:** Use only propylene glycol in radiant heating and cooling systems with EP Heating Manifolds; never use ethylene glycol. Refer to the EP Heating Manifold Installation Guide for a complete chemicals list.

Standards/Codes/Listings

N/A

Related Applications

Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems

Contact Information

Uponor, Inc.
5925 148th Street West
Apple Valley, MN 55124 USA
Phone: (800) 321-4739
Fax: (952) 891-2008
www.uponor-usa.com

Uponor Ltd.
2000 Argentia Road, Plaza 1, Suite 200
Mississauga, ON L5N 1W1 CANADA
Phone: (888) 994-7726
Fax: (800) 638-9517
www.uponor.ca