

Engineered Plastic (EP) Heating Manifold Assemblies

Submittal Information Revision B: April 19, 2011

Project Information

Job Name:

Part No. Ordered: Location: Engineer: Date Submitted: Submitted By: Contractor:

Manufacturer's Representative: Approved By:

Tec		

PA66-GF30 Manifold, Connecting Max. Test Pressure 145 psi (10 bar) Piece, Elbow, End Part: $(24 h, \leq 86^{\circ}F)$ tested

with water:

PA66-GF15 Max. Test Pressure **Bracket, Locking** 100 psi (7 bar) Screw:

(24 h, ≤ 70°F) tested with air:

Max. Water Flow per Valve Insert (all plastic 0.97 l/s 15.4 gpm parts), Hand Wheels:

POM Manifold:

Adjusting Screen: ABS Cv Value Inlet/Outlet 1.35

Valves:

Glass Flow Meter PA12 Spring: Stainless Steel

Metal Inserts: Brass C38500 O-ring: **EPDM** Axel: Stainless Steel Flat Gasket: IT-C

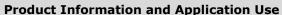
EP Heating Manifold, two-wire Actuator (A3030522); **Adaptable Actuators:**

Thermal Actuator, four-wire (A3010522) with EP Heating

Manifold Actuator Adaptor (A2671300)

Maximum Operating 6 bar at 60°C 5 bar at 70°C 87 psi at 140°F **Temperature and Pressure:** 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



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