

## Engineered Plastic (EP) Heating Manifold Assemblies

Submittal Information  
Revision C: May 29, 2013

### Project Information

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

### Technical Data

<b>Manifold, Connecting Piece, Elbow, End Part:</b>	PA66-GF30	<b>Max. Test Pressure (24 h, ≤ 86°F) tested with water:</b>	145 psi (10 bar)
<b>Bracket, Locking Screw:</b>	PA66-GF15	<b>Max. Test Pressure (24 h, ≤ 70°F) tested with air:</b>	100 psi (7 bar)
<b>Valve Insert (all plastic parts), Hand Wheels:</b>	POM	<b>Max. Water Flow per Manifold:</b>	0.97 l/s 15.4 gpm
<b>Adjusting Screen:</b>	ABS	<b>Cv Value Inlet/Outlet Valves:</b>	1.4
<b>Glass Flow Meter</b>	PA12	<b>Spring:</b>	Stainless Steel
<b>Metal Inserts:</b>	Brass C38500	<b>O-ring:</b>	EPDM
<b>Axel:</b>	Stainless Steel	<b>Flat Gasket:</b>	IT-C
<b>Adaptable Actuators:</b>	EP Heating Manifold, two-wire Actuator (A3030522); Thermal Actuator, four-wire (A3010522) with EP Heating Manifold Actuator Adaptor (A2671300)		
<b>Maximum Operating Temperature and Pressure:</b>	6 bar at 60°C 87 psi at 140°F	5 bar at 70°C 72 psi at 158°F	
	4 bar at 80°C 58 psi at 176°F	3 bar at 90°C 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

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