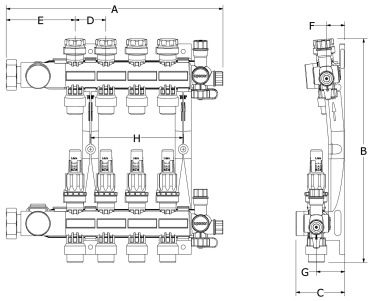
EP heating manifolds

Project information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Material	Engineered Polymer
Subcomponent Material	Manifold: PA66-GF30
	Valve Insert, Handwheels: POM
	Metal Inserts: Brass C38500
	Axel: Stainless Steel
	Spring: Stainless Steel
	O-ring: EPDM
Loop Cv	1.4 Cv
End type 1	ISO 228-G 1-1/4"
End type 2	ISO 228-G 3/4"
Temp/pressure ratings	140 °F (60 °C) at 87 psi (6 bar)
	158 °F (70 °C) at 72 psi (5 bar)
	176 °F (80 °C) at 58 psi (4 bar)
	194 °F (90 °C) at 44 psi (3 bar)
Max. fluid flow rate	16 gpm
Prop 65 label required?	Yes



Product information and application use

The Engineered Polymer (EP) Heating Manifold Assemblies feature isolation valves and balancing valves with flow meters (0-1 gpm), and come fully assembled, ready for installation in hydronic radiant heating and cooling systems. The manifolds accommodate flows up to 16 gallons per minute (gpm) based on 3 psi manifold pressure drop. The body ends feature R32 unions and the loop outlets have R20 male threads. Use only propylene glycol in radiant systems with EP Heating Manifolds; never use ethylene glycol.

Part name	Part no.	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	Operating temperature min. [°F]	H [inch]	Operating temperature max. [°F]
EP Heating Manifold Assembly with Flow Meter, 2-loop	A2670201	9.88	14.184	3.11	1.969	4.39	1.181	1.811	44.6	-	-
EP Heating Manifold Assembly with Flow Meter, 3-loop	A2670301	11.849	14.184	3.11	1.969	4.39	1.181	1.811	44.6	3.937	-
EP Heating Manifold Assembly with Flow Meter, 4-loop	A2670401	13.817	14.184	3.11	1.969	4.39	1.181	1.811	45	5.906	60
EP Heating Manifold Assembly with Flow Meter, 5-loop	A2670501	15.786	14.184	3.11	1.969	4.39	1.181	1.811	44.6	7.874	-
EP Heating Manifold Assembly with Flow Meter, 6-loop	A2670601	17.754	14.184	3.11	1.969	4.39	1.181	1.811	44.6	9.843	-
EP Heating Manifold Assembly with Flow Meter, 7-loop	A2670701	19.723	14.184	3.11	1.969	4.39	1.181	1.811	44.6	11.813	-
EP Heating Manifold Assembly with Flow Meter, 8-loop	A2670801	21.691	14.184	3.11	1.969	4.39	1.181	1.811	44.6	13.78	-

Part name	Part no.	Weight per UOM [lbs/UOM]
EP Heating Manifold Assembly with Flow Meter, 2-loop	A2670201	3.5
EP Heating Manifold Assembly with Flow Meter, 3-loop	A2670301	4.16
EP Heating Manifold Assembly with Flow Meter, 4-loop	A2670401	4.82
EP Heating Manifold Assembly with Flow Meter, 5-loop	A2670501	5.48
EP Heating Manifold Assembly with Flow Meter, 6-loop	A2670601	6.14
EP Heating Manifold Assembly with Flow Meter, 7-loop	A2670701	6.8
EP Heating Manifold Assembly with Flow Meter, 8-loop	A2670801	7.46

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.

Related applications

Radiant Heating and Cooling Systems

Permafrost Protection Systems

Turf Conditioning Systems

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Notes

Compatible Actuators:

A3023522 Thermal Actuator, four-wire; A3030522 Two-wire Thermal Actuator for EP Heating Manifolds. Maximum fluid flow rate of 16 gallons per minute (gpm) based on 3 psi manifol

Footnotes	Contact information	
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