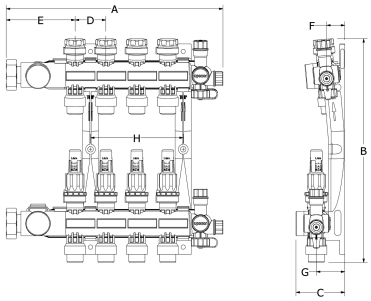
# EP heating manifolds

## 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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