

# Stainless-steel manifold assembly, 1 1/4" with flow meter

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

#### Technical data

Material Stainless Steel Subcomponent Material Manifold Components:

Brass CW614N-UNI EN12164, CW617N-UNI

EN12165

Manifold size 1.25 inch Loop Cv 1.1 Cv ISO 228-G 1-1/4" End type 1 End type 2 ISO 228-G 3/4" Temp/pressure ratings

68 °F (20 °C) at 145 psi (10 bar) 158 °F (70 °C) at 87 psi (6 bar)

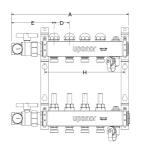
194 °F (90 °C) at 44 psi (3 bar)

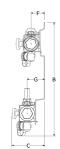
Max. fluid flow rate 21 gpm

Prop 65 label required? Yes

### Product information and application use

The 1 1/4" Stainless-steel Manifold Assembly with flow meter comes fully assembled and ready for installation. Use the included flow meters located on the supply manifold to balance the loops across the manifold. The return manifold comes equipped with isolation valves for easy loop isolation. For multiple zoning on the manifold, the black caps are removed and replaced  $% \left\{ \left( 1\right) \right\} =\left\{ \left( 1\right) \right\} =\left\{$ with Uponor Thermal Actuators. The manifold body ends have R32 union connections and the loop outlets have R20 male threads. The included manifold supply and return ball valves come with an R32 x 1" NPT or R32 x 1 1/4" NPT connection. Note: The 1 1/4" manifolds with 2 through 7 loops are strategically designed with 1" NPT ball valves to avoid adding extra costs while maintaining the maximum flow of the manifold assembly.





Part name	Part no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Weight per UOM [kg/UOM]
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 2 loops	A2720202	277.71	367.29	89.96	50	137.79	44.45	57.15	161.08	4.182
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 3 loops	A2720302	327.71	367.29	89.97	50	137.79	44.45	57.15	209.53	4.59
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 4 loops	A2720402	377.71	367.29	89.97	50	137.79	44.45	57.15	259.35	4.999
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 5 loops	A2720502	427.71	367.29	89.94	50	137.79	44.45	57.15	308.14	5.407
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 6 loops	A2720602	484.27	367.54	87.79	50	139.80	44.45	57.15	360.04	5.815
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 7 loops	A2720702	527.71	367.29	89.97	50	137.79	44.45	57.15	410.36	6.223
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 8 loops	A2720802	586.62	367.29	87.34	50	146.70	44.45	57.15	463.85	6.949
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 10 loops	A2721002	693.18	367.54	86.73	50	148.71	44.45	57.15	563.61	7.7655106095382
Stainless-steel Manifold Assembly, 1 1/4" with flow meter, B&I, ball valve, 12 loops	A2721202	793.18	367.54	86.73	50	148.71	44.45	57.15	663.09	8.582

#### Installation

The 11/4" Stainless-steel Manifolds are fully assembled and ready for installation. Manifold assembly comes with mounting brackets, isolation valves, balancing valves, fill/purge ports, air vents, ball valves, temperature gauges and end caps. Manifold adapters and fittings are sold separately. For further information, refer to the Uponor Stainless-steel Manifold Installation Guide.

## Related applications

Radiant Heating and Cooling Systems

Permafrost Protection Systems

Turf Conditioning Systems

AquaSAFE™ Fire Safety Systems

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