

Product Instructions

1 inch Stainless Steel Manifold

Applications:

Stainless steel manifolds are provided for low temperature (radiant) or high temperature (radiation) hydronic heating systems. The 1 inch tube stock heating manifold comes with one galvanized steel mounting bracket for 2-port manifolds and two steel mounting brackets for 3-port through 12-port manifolds.

Technical Data:

- 1" Header stock supply header is fitted with a clear capped flow meter. The return header has an isolating valve with a white plastic cap which can receive an optional 24V powerhead for remote thermostat operation. The supply and return headers are furnished with 3/4" Euroconus insert connections to receive iron pipe (1/2" FIP only), copper (1/2" copper only) or plastic pipe compression fittings (3/8", 1/2", 5/8", 3/4").
- Supply Manifold with flow meters.
- Return Manifold with shut off valves (white cap).
- Mounting brackets.
- Two 3/4" Euroconus insert purge valves suitable to receive insert fittings (plastic pipe, female iron pipe 1/2" FIP or 1/2" copper). The drain valve cap also has a shutoff key built in for easy on/off operation.
- Two coin vents for air elimination and service.
- Boiler/System Supply & Return connection 1" male iron pipe or 1" copper.



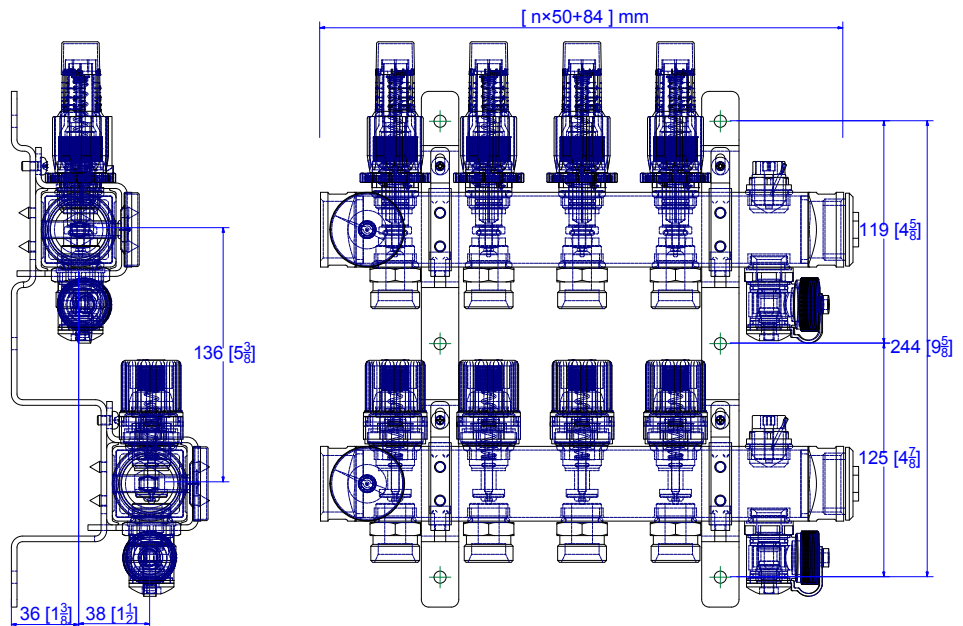
Installation:

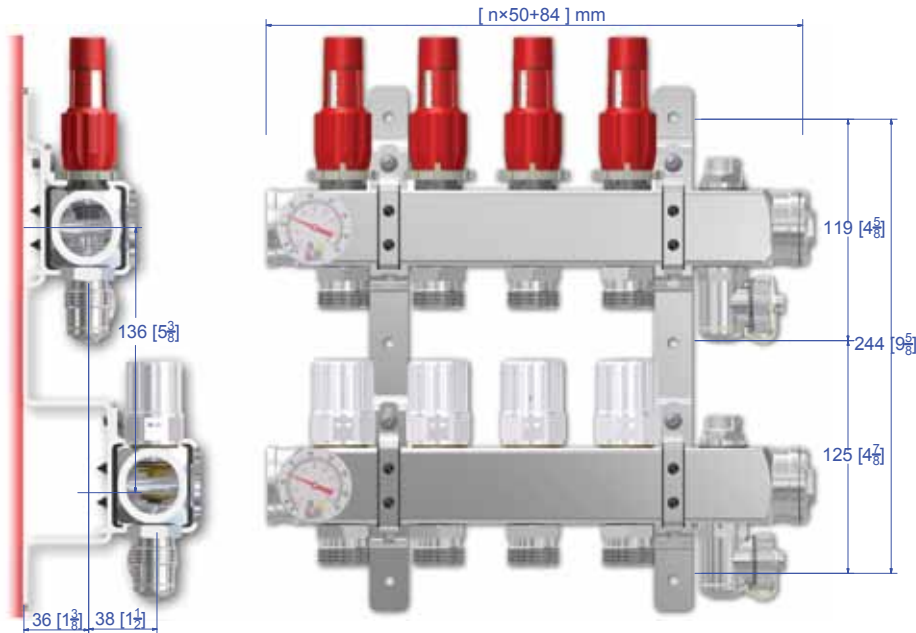
Locate manifolds in strategic locations to minimize additional S & R run outs of your plastic heating pipes. It is always wise to use larger diameter supply and return mains to reduce overall cost and keep your manifold size reasonable. If locating manifolds in sheetrock or plaster walls, always install an access panel for serviceability.

Dimensions

Ports n	Header Length L	
	inch	mm
2	7 1/4"	184
3	9 1/4"	234
4	11 1/8"	284
5	13 1/8"	334
6	15 1/8"	384
7	17 1/8"	434
8	19"	484
9	21"	534
10	23"	584
11	25"	634
12	26 7/8"	684

n = number of outlets (1/2" holes)





Manifold configurations:

Manifolds can be built in any configuration; supply left or right, or left and right for reverse return self balancing piping arrangement. Any combination of top and / or bottom connections is possible for individual run outs.



Adjusting the balancing valves on the supply side of the manifold.

Open the shut-off valve with the white cap by turning anticlockwise.

Shut the valve (flow meter) completely by turning the red cap of the valve clockwise. Open the valve by turning counter-clockwise in correspondence with the number of turns needed to obtain the desired flow rate. Remove or leave the red cap on the valve.

Flow meters (valves) can only be installed on the supply.

Example: To guarantee a flow of 0.6 gal./min at a pressure loss of 0.1 feet of head the valve has to be opened by 1/2 turn or 180°CCW.

Manifold 1"

L/min	gal/min
0,5	0,13
1,0	0,26
2,0	0,53
3,0	0,79
4,0	1,06

