

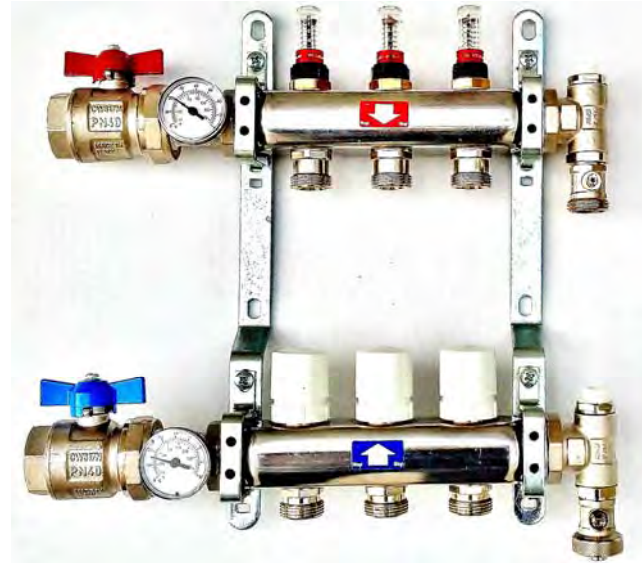
## 1 inch Stainless Steel Manifold

### Applications:

Stainless steel manifolds are provided for low temperature (radiant) or high temperature (radiation) hydronic heating systems. The 1 inch tube stock heating manifolds come with two steel mounting brackets.

### Technical Data:

1. 1" Stainless Steel Header stock. The supply header is fitted with a clear capped 2 gpm 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 appropriate transition fittings. IE. 3/8", 1/2", 5/8", 3/4" PE-RT, 1/2" IPS, 1/2" Copper.
2. Supply Manifold is equipped with flow meters (0 to 2 GPM).
3. Return Manifold with shut off valves (white cap).
4. Mounting brackets
5. Two standard garden hose thread purge valves. The drain valve cap also has a shutoff key built in for easy on/off operation.
6. Two coin vents for air elimination and service.
7. Temperature gauges on system supply & return
8. 1" NPT full-port ball valves on system supply & return

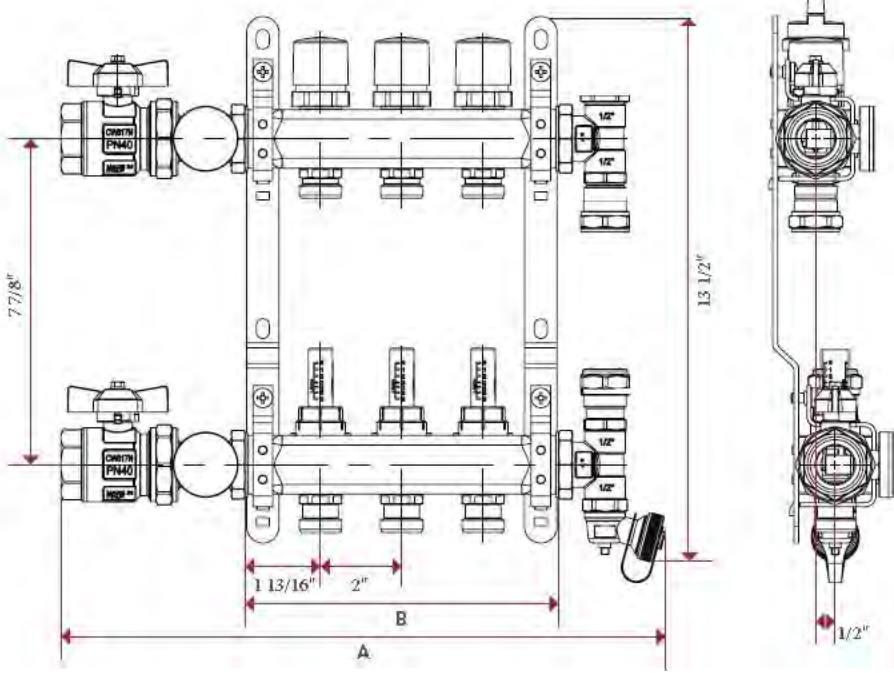


### Installation:

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 in an access panel for serviceability.

### Purging:

Attach a standard garden hose fitting to the drain fitting on the return header of the manifold and put into a bucket or locate where water can drain freely. Close all return valves but the one furthest from the boiler supply. Keep the return ball-valve closed, and then use the key to open the drain fitting located on the return of the manifold, furthest from the boiler supply. Increase the system pressure and purge your loop into a bucket or drain. Once a solid stream of water and no air bubbles are detected your purge is complete. Perform the same process for every circuit until all have been effectively cleared of any air.



1" Stainless Steel Manifold

Model	A	B
6003SS	14 5/8"	7 5/8"
6004SS	16 5/8"	9 1/2"
6005SS	18 5/8"	11 1/2"
6006SS	20 1/2"	13 1/2"
6007SS	22 1/2"	15 1/2"
6008SS	24 7/8"	17 3/8"
6009SS	26 1/2"	19 3/8"
6010SS	28 1/2"	21 3/8"
6011SS	30 3/8"	23 3/8"
6012SS	32 3/8"	25 3/8"

Manifold configuration

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 counter-clockwise. Shut the valve (flow meter) completely by turning the black plastic piece at the bottom of the clear vile clockwise until it is closed. Open the valve by turning counter-clockwise approximately 3 full revolutions. Adjust anywhere within one full turn to achieve the desired flow rate.

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 1/2 turn.

L/min	---	gal/min
0,5	---	0,13
1,0	---	0,26
2,0	---	0,53
4,0	---	1,06
6,0	---	1,59
8,0	---	2,11

Manifold 1"

