

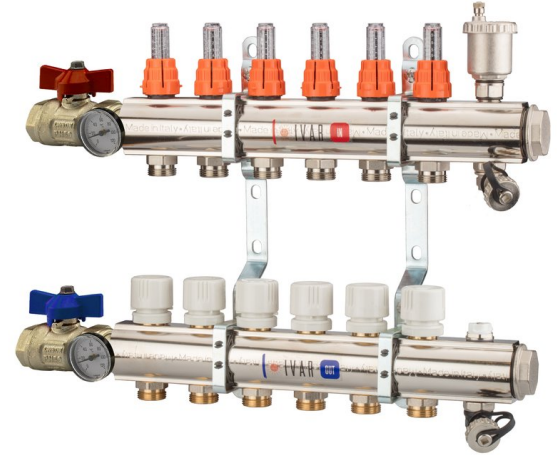
MATERIAL SPECIFICATION SHEET



Brass Manifold Kit 1 1/4"

Brass manifolds are suitable for distributing and controlling water in heating systems at low and high temperatures. The thickness of the material combined with the pressure testing of each manifold is synonymous and quality and assurance of successful operation on site. The threads of the connections to the headers are 1 1/4" female according to ISO 228 standard. The threads for the circuits adapters are 3/4".

Headers come complete with supply/return manifolds, mounting brackets, shut-off valves, flow meters and air vents. Suitable for thermostatic or manual control.



Technical Specifications

Max operating pressure	145 PSI
Max operating temperature	194 °F
Adjustment Flow Meter Flow	0-2 gpm
Meter precision	10 %

Materials

Manifolds

- Manifold body: Nickel Plated Brass AISI 304
- Brass parts: CW617N
- Seal parts: peroxide EPDM
- Shut-off valve disc: PPA
body _ brass stem _ steel spindle
- Projecting Caps: ABS

Flow Meter

- Body: PPA
- Shutter: PA MXD 6
- Seal: peroxide EPDM
- Lock ring: PPO and PS blend
Indicator: PA 12
- Spindle: PSU
- Spyglass: transparent PA 12
- Cover: ABS

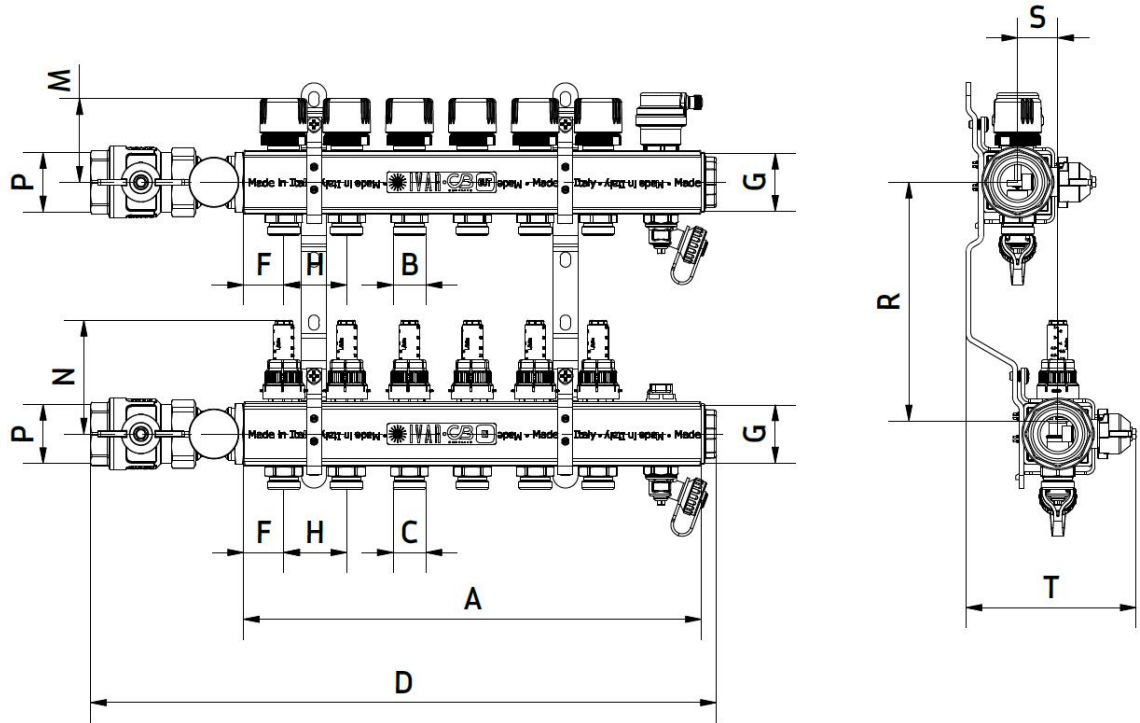


CB SUPPLIES LTD.
www.cbsupplies.ca

PHONE: 1-888-PIPE PEX (747-3739)
EMAIL: sales@cbsupplies.ca

3325 190th Street
Surrey, BC V3Z 1A7
Canada

Dimensions 1 1/4" Manifold



When installing, pay attention to the maximum dimensions of the system and its depth. Select a wall recessed box of suitable dimensions to facilitate the connection of the supply and return pipes of the circuits.

Table 1 - Dimensions and product codes

Loops	Part No.	A	B	C	D	F	G	H	M	N	P	R	S	T
6	763512006	10"			14"									
7	763512007	12"			16"									
8	763512008	14"			18"									
9	763512009	16"	3/4"	3/4"	20"	1 1/2"	1 1/4"	2"	2 1/2"	2 1/2"	1 1/4"	8"	1 1/4"	4 1/2"
10	763512010	18"			22"									
11	763512011	20"			24"									
12	763512012	22"			26"									

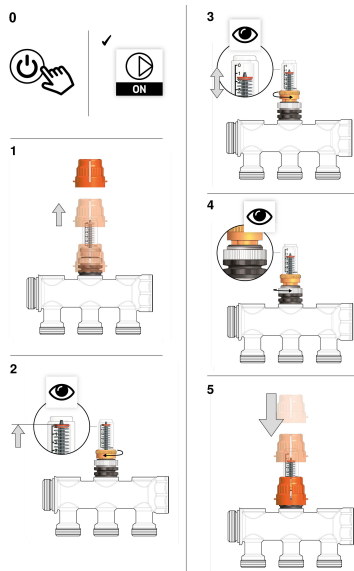
1 1/4" Manifold Pressure Drop

Manifold Pressure Drop Table		
Highest GPM / circuit	PSI	Feet of Head
0.2	0.03	0.06
0.4	0.11	0.25
0.6	0.24	0.56
0.8	0.43	0.99
1.0	0.67	1.55
1.2	0.97	2.23
1.4	1.32	3.04
1.6	1.72	3.97
1.8	2.18	5.03
2	2.69	6.21

Cv 1.22 for both supply and return circuit isolation valves

Adjustment

Flow Meter devices allow the adjustment and the balancing of each outlet and keep memory of the selected position in case of temporary closure due to maintenance operations. In order to perform a correct adjustment, proceed as follows:



1. Activate the system
2. Remove the orange cover by gently prying upwards
3. Move the Flow Meter to the closed position by turning the upper ring nut clockwise. The displayed flow rate value must be zero (can be viewed inside the slide).
4. Move the Flow Meter to the open position corresponding to the correct flow rate value by turning the upper ring nut counterclockwise.
5. Secure the position memory by turning the lower ring nut counterclockwise until it stops.
6. Replace the orange cover. Afterwards it will be possible to close or open the extension up to the maximum set by the position memory, directly by turning the orange cover clockwise or counterclockwise respectively.

Regulation

On the return manifolds it is possible to install electrothermic heads for the regulation of the flow rate in each circuit

