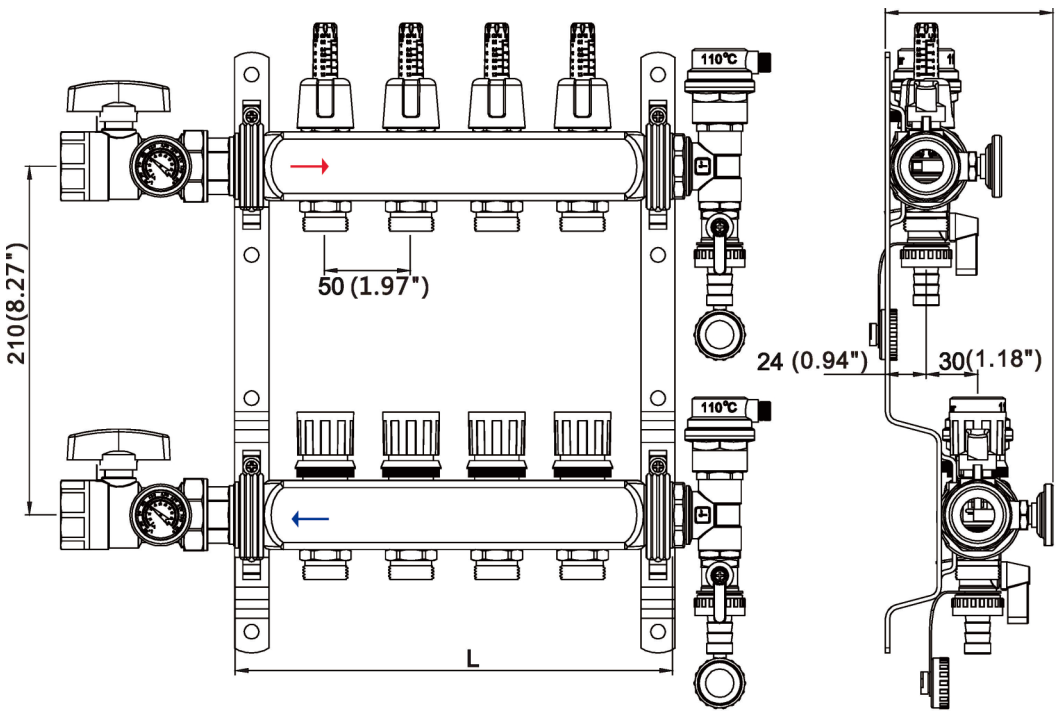
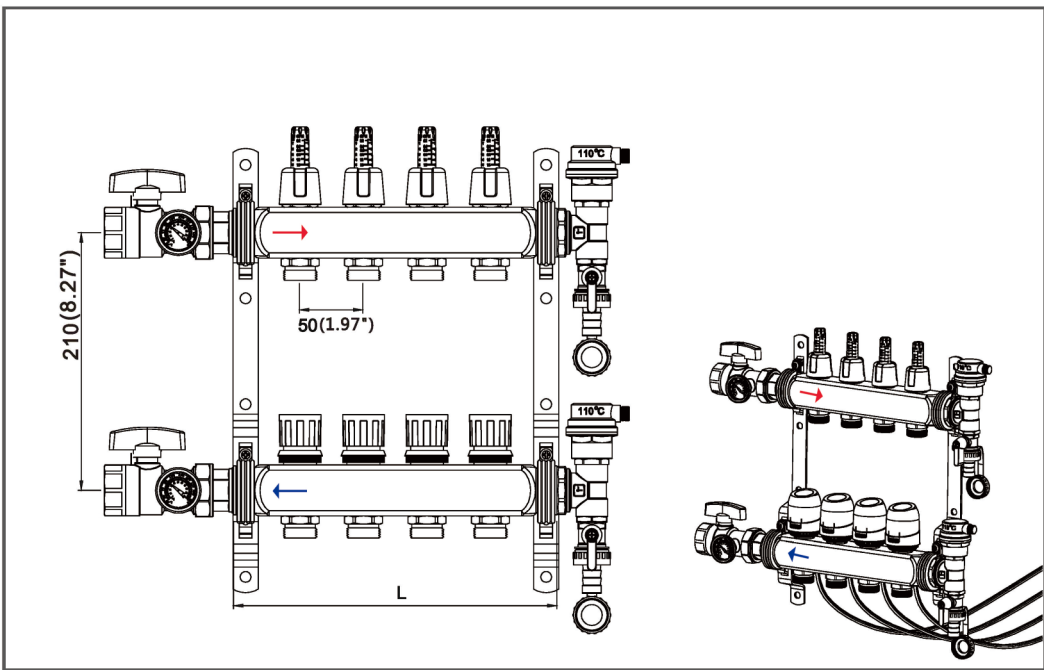


BRASS (FN9) HEATING/ COOLING MANIFOLD OPERATING INSTRUCTIONS



SPECIFICATIONS (mm/in)

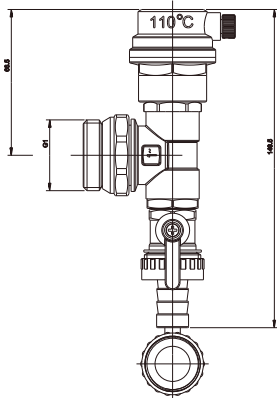


SPECIFICATION	CONNECTIONS	LOOPS	L/mm	L/in
FN9-1F-3/4*2	G1" x 3/4"	2	120	4.72
FN9-1F-3/4*3	G1" x 3/4"	3	170	6.69
FN9-1F-3/4*4	G1" x 3/4"	4	220	8.66
FN9-1F-3/4*5	G1" x 3/4"	5	270	10.63
FN9-1F-3/4*6	G1" x 3/4"	6	320	12.60
FN9-1F-3/4*7	G1" x 3/4"	7	370	14.57
FN9-1F-3/4*8	G1" x 3/4"	8	420	16.54
FN9-1F-3/4*9	G1" x 3/4"	9	470	18.50
FN9-1F-3/4*10	G1" x 3/4"	10	520	20.47
FN9-1F-3/4*11	G1" x 3/4"	11	570	22.44
FN9-1F-3/4*12	G1" x 3/4"	12	620	24.41

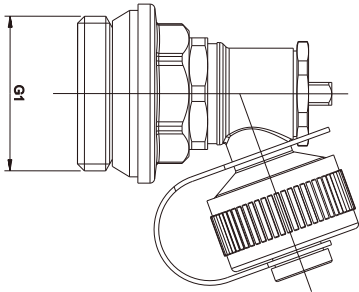
TECHNICAL DATA

Materials	Manifold Body	Brass
	Port Connection	Brass
	Seal	EPDM
Working Performance	Permissible Maximum Continuous Working Temperature: 82°C(180F) at 6.9bar (100psi)	
Working Media	Media 1	Water
	Media 2	Water/Ethylene Glycol 50/50%
	Media 3	Water/Propylene Glycol 50/50%
Flow	Indication Scale	0.5-5L/min(0.13-1.32G/min)
	Indication Tolerance	± 10%
	Kvs	1.10
Connection	Supply / Return	G1" female
	Circuit Connection	G 3/4" male
	Flowmeter Connection	G1/2" male

Notice : Manifold may come with manual or automatic air vents,illustrations show automatic air vents.

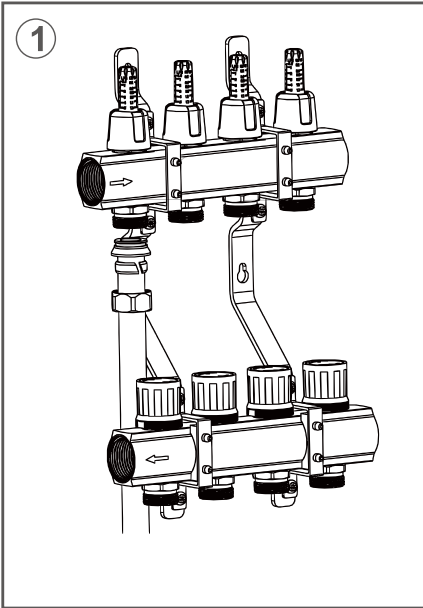


Automatic Air Vent

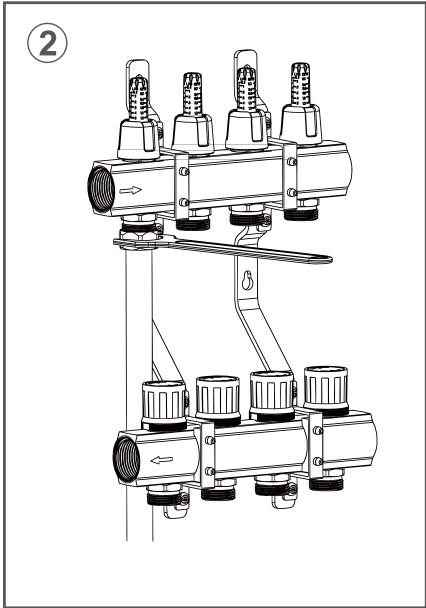


Manual Air Vent

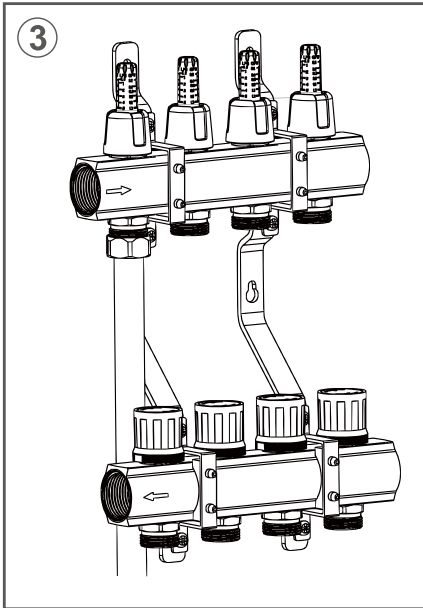
INSTALLATION



• Connect tubing using appropriate fitting

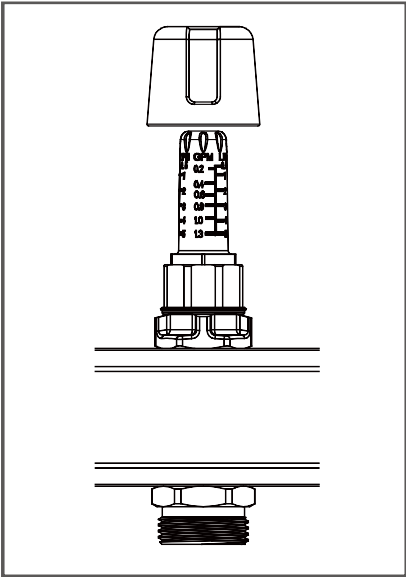


• Verify fitting is secure

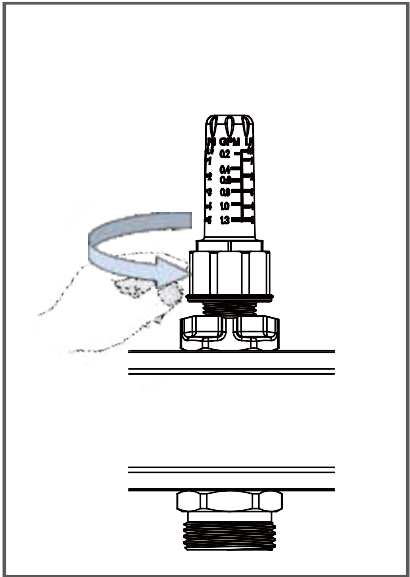


• Repeat steps 1 and 2 until complete

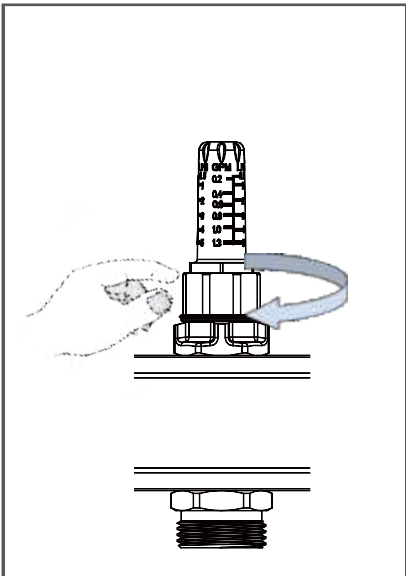
FLOW METER OPERATION



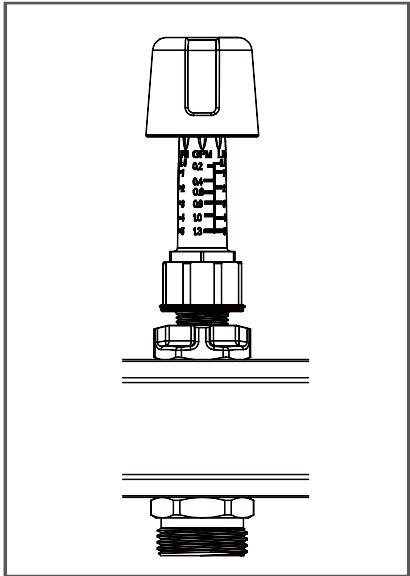
• Remove the red cap



• Turn knob counter-clockwise to increase flow



• Turn knob clockwise to decrease flow

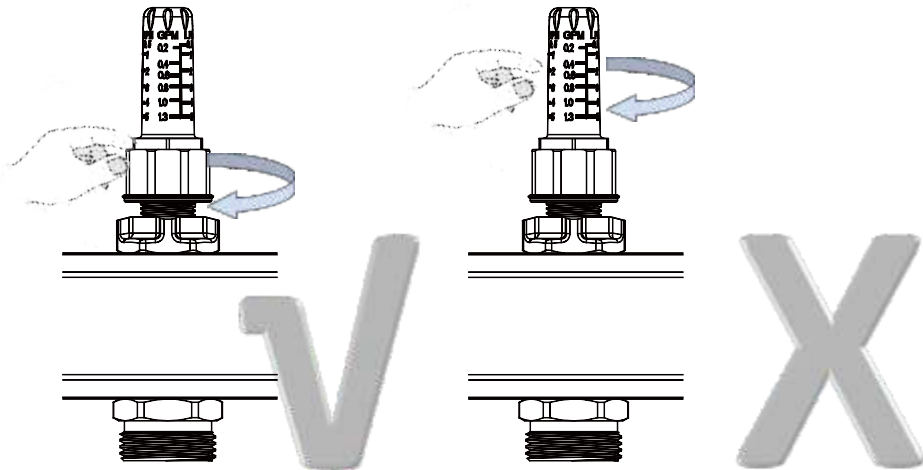


• Put the red cap into locked position

READING THE FLOWMETER

**Warning:**  
Do not turn the top cup for flow rate adjustment.

Do not turn knob counterclockwise more than 3 rounds. This will cause the red disk to be out of indication range when the system is pressurized.



Flow can be determined by the position of the disk. In this example, the loop has a flow rate of 0.53 G/min.

