

RHT SS High Flow Manifold

Submittal Information



Project Information

Job Name:

Location:

Part No. Ordered:

Engineer:

Date Submitted:

Contractor:

Submitted By:

Manufacturer's Representative:

Approved By:

Technical Data

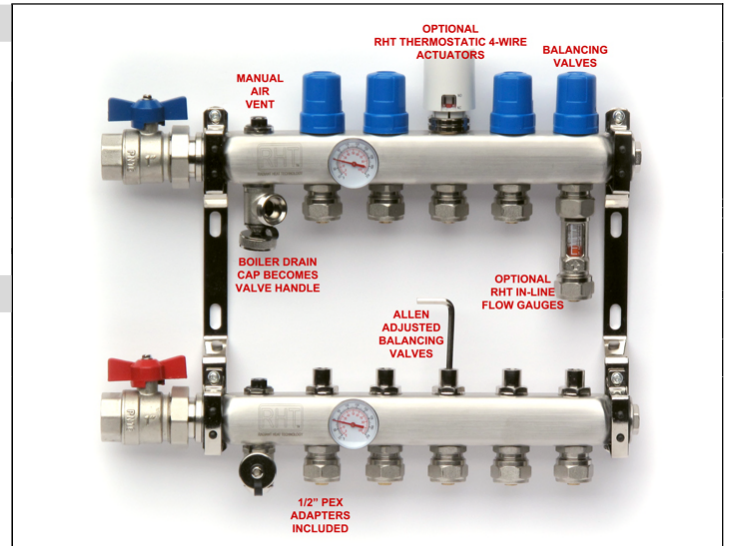
1"(ID) Stainless Steel Extrusion
Ball Valve Isolators on Supply and Return
Temp Gauge on Supply and Return
Air Eliminator and Boiler Drain on Supply and Return
Valve Control w/Optional 24V Actuator on Return
Brackets Included

Product Information and Application Use

The RHT SS High Flow manifold is available from two to twelve circuits for the intended use in low-pressure non-potable hydronic heating systems. The return side of the manifold will accommodate optional 24v zone valve actuators for greater zoning flexibility.

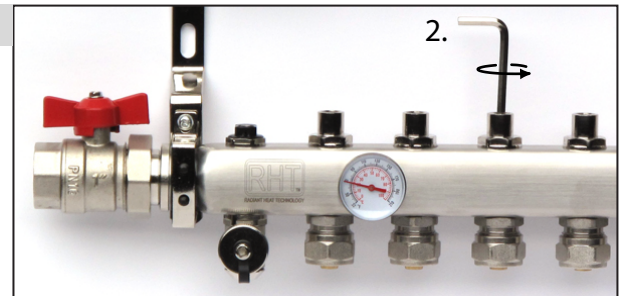
Staggered mounting brackets allow for a clean install and zero strain on PEX tubing.

Recommended Test Pressure: 50 psi



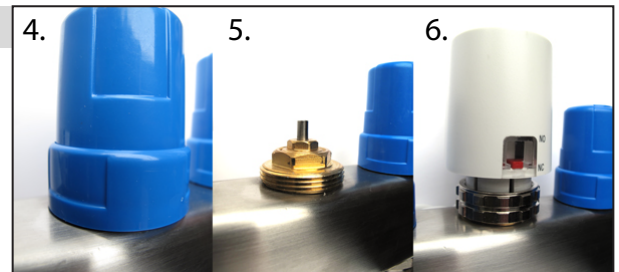
Supply Side Valve Adjustment

1. Using a 5mm allen key, remove black plastic cap. Using a 6mm allen key, remove inner plastic locking.
2. Using a 5mm allen key, adjust balancing valve, counterclockwise to open, clockwise to close.
3. After the desired flow is set, replace the locking and cap to secure.



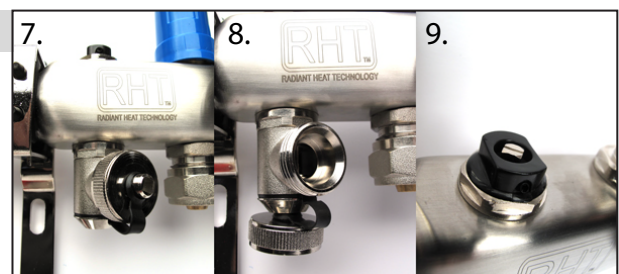
Return Side Valve Adjustment

4. Turn valve by hand counterclockwise to open, clockwise to close.
5. To use with thermostatic actuators, turn base of valve counterclockwise to remove.
6. Replace with 24v 4-wire actuator, wired to Zone Valve Controller.



Air Vent & Drain

7. Drain cap doubles as drain valve and air vent key.
8. Use drain cap as valve handle to open drain by turning key counterclockwise.
9. Use drain cap as key to operate manual air vent.



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PEX Connection Instructions

10. PEX ends should be cut clean and square.
11. Slide compression ring onto outside of PEX tube, followed by split ferrule. Insert barb into PEX.
12. Push o-ring end of barb into manifold, thread compression nut onto manifold and fasten until snug. Do not overtighten. Do not use teflon tape or other sealants.

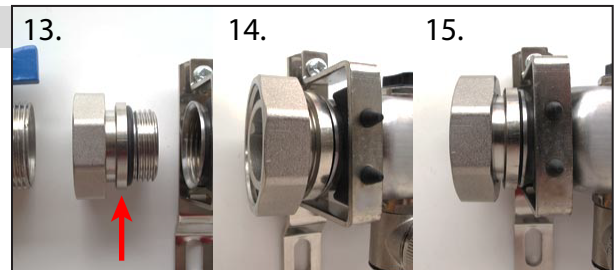
1/2" PEX adapters are included with every RHT Manifold. Additional PEX adapters are available for 3/8" PEX, 5/8" PEX, and 3/4" PEX

NOTE: Right hand end plug is not removable, do not attempt to loosen.



Union Ball Valve Connection

13. Disconnect union from ball valve and be sure that the slip ring (indicated with red arrow) is turned fully to the loosened position.
14. Thread union into the manifold until snug.
15. Seat the o-ring in place by tightening the slip ring between the union nut and manifold bracket until snug, using a narrow pipe wrench or channel locks.
16. Connect ball valve to union and tighten union nut to ball valve.



Manifold Dimensions

All RHT SS-HF Manifolds are 13 1/2" high and 3" in depth. Widths including straight ball valve are as follows:

- SS-2-HF - 10 3/4"
- SS-3-HF - 12 3/4"
- SS-4-HF - 14 3/4"
- SS-5-HF - 16 3/4"
- SS-6-HF - 18 3/4"
- SS-7-HF - 20 3/4"
- SS-8-HF - 22 3/4"
- SS-9-HF - 24 3/4"
- SS-10-HF - 26 3/4"
- SS-11-HF - 28 3/4"
- SS-12-HF - 30 3/4"