

Product Instructions

1 Inch Brass Manifold

Applications

The 1 inch brass diameter heating supply and return manifolds come with 6-5/8" spacing brackets for compact remote mounting. The manifold can also be attached easily to the Injection Station (using the 11" spacing bracket included with the Injection Station). Manifold can be used with a 13 GPM max.

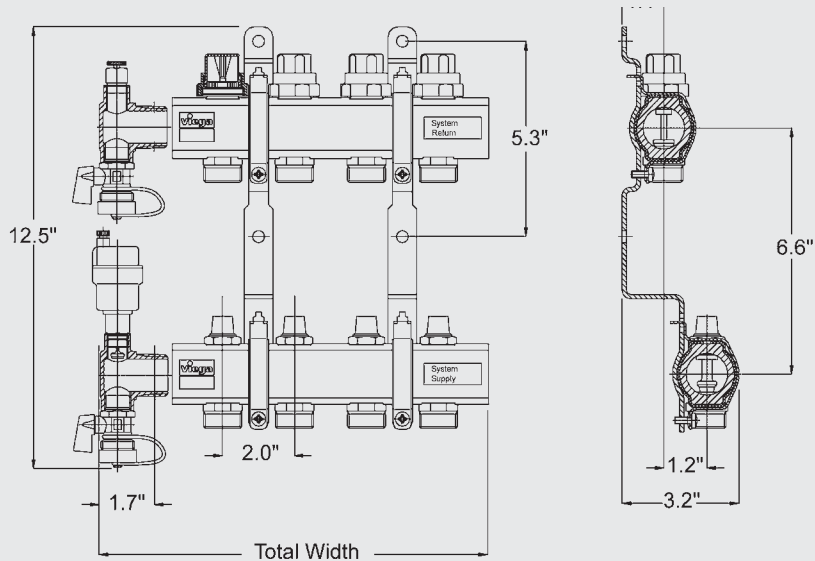
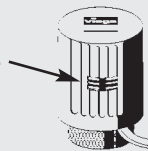
Technical Data

1. 1" Brass header stock
2. Supply Manifold with balancing valves (red caps)
3. Return Manifold with shut off valves (blue caps)
4. Mounting brackets Installation

The supply header is fitted with balancing valves. The return header is fitted with shut off valves which are suitable to receive optional 24V powerheads for thermostatic control (stock code 18 028). The supply and return headers both have outlets which are suitable for all SVC connections. End connections are 1" NPT.

Note: Use grey colored Powerheads with this manifold. (stock code 18 028).

Note indicator window.



Dimensions	
Height	12.5"
Depth	3.2"
Manifold	Total Width
2 outlets	6.5"
3 outlets	8.5"
4 outlets	10.5"
5 outlets	12.5"
6 outlets	14.5"
7 outlets	16.5"
8 outlets	18.5"
9 outlets	20.5"
10 outlets	22.5"
11 outlets	24.5"
12 outlets	26.5"

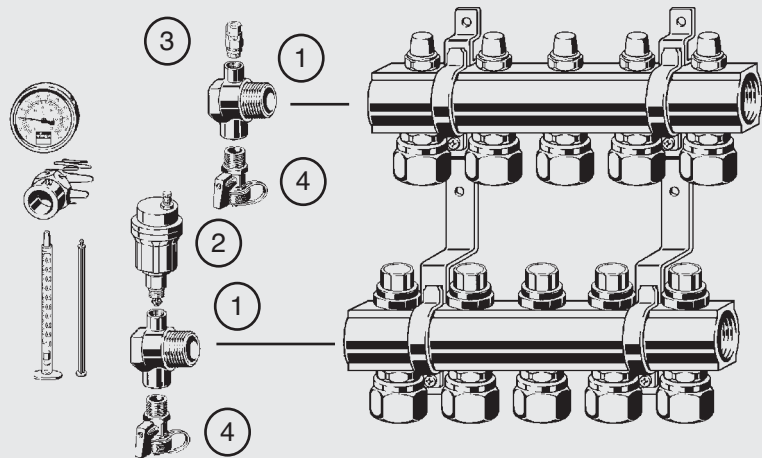
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Installation

Connect the Manifold Accessory Set (15 023, sold separately) to the manifold as follows:

1. Connect end-piece to manifold 1" NPT (Note large thread should face bottom).
2. Assemble air vent to supply end-piece
3. Assemble bleeder to return end-piece
4. Assemble purge valves to both end-pieces

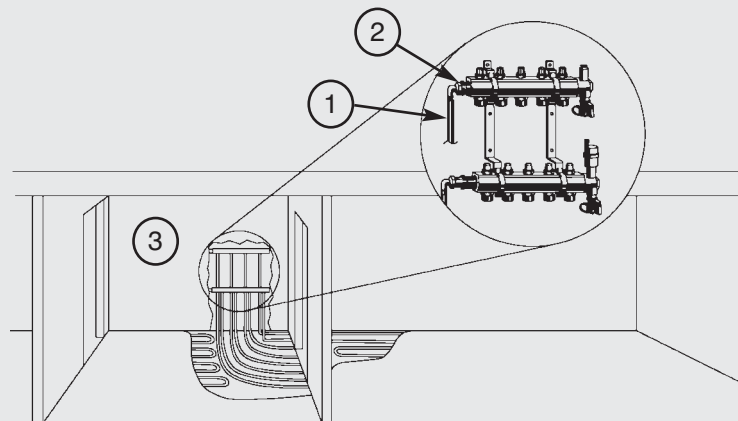


Manifold Accessory Set

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Note: It is important to use Teflon tape and thread sealant paste on all connections without gaskets.

1. FostaPEX (or other tubing, i.e. ViegaPEX Barrier, Pextron, copper) is used to feed the manifold.
2. Connection is made with press male NPT elbows (optional).
3. Manifolds in the wall must have an access panel.

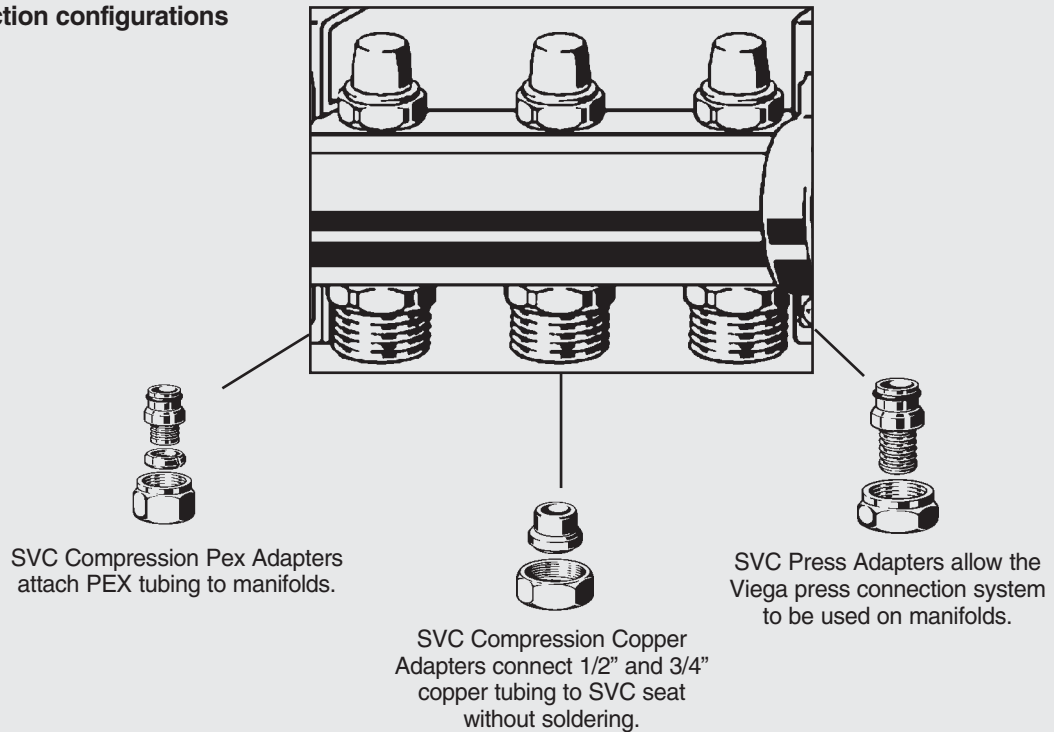


Note: FostaPEX is suggested when piping to a remote manifold. This method will produce a higher quality outcome, while reducing installation time. However, the connection can be adapted to copper or PEX tubing.

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Manifold connection configurations

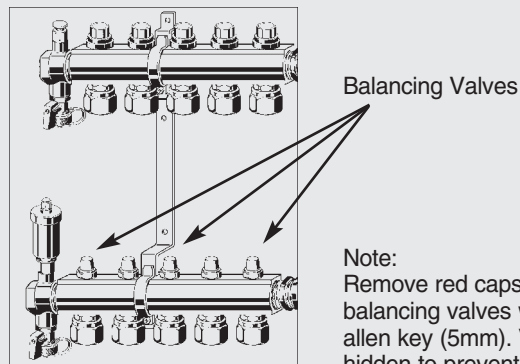


Initial Balancing

Many times it is not possible to design the system using equal circuit lengths, so the system must be balanced in order to ensure adequate flow to each circuit on a manifold. (Refer to your Radiant Wizard design program for detailed balancing).

Procedure:

1. Start with all valves wide open.
2. To decrease flow turn the balancing valve clockwise in small increments.



Note:
 Remove red caps and turn balancing valves with included allen key (5mm). Valves are hidden to prevent tampering.