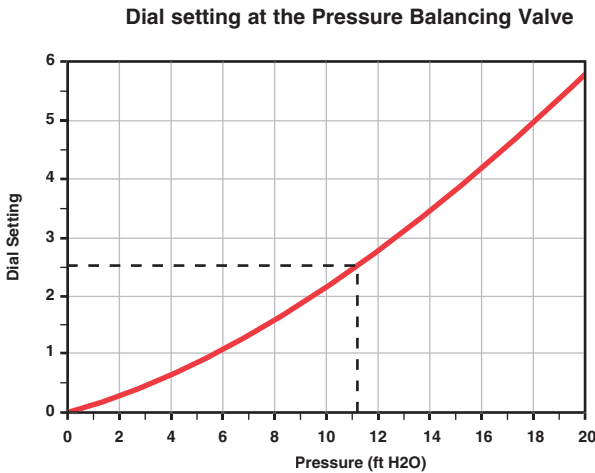
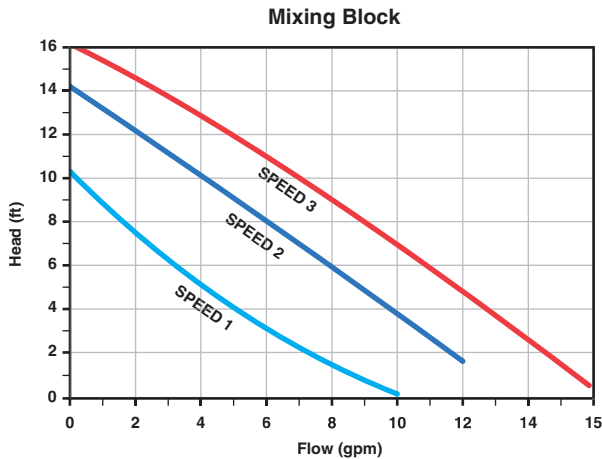


Installation Instructions

Mixing Block #64331



Example

In an installation where floor heating pipes are roughed in on the main floor as well as in the basement, it is determined that 47,000 BTU/h is to be delivered by using 12 loops of 1/2" HeatLink PEX (#94105 or #94305 together with #78200 and #79200). Average loop flow is 0.4 gpm at an accompanying friction head of 6.5 ft head.

In laying out the manifolds for the areas, it is further determined that an additional friction head of 2.7 ft head is necessary due to the main pipe and the other fittings. Hence, the system requires 5 gpm at a total head of $(6.5 + 2.7) = 9.2$ ft head in delivering 47,000 BTU/h.

Pump Speed:

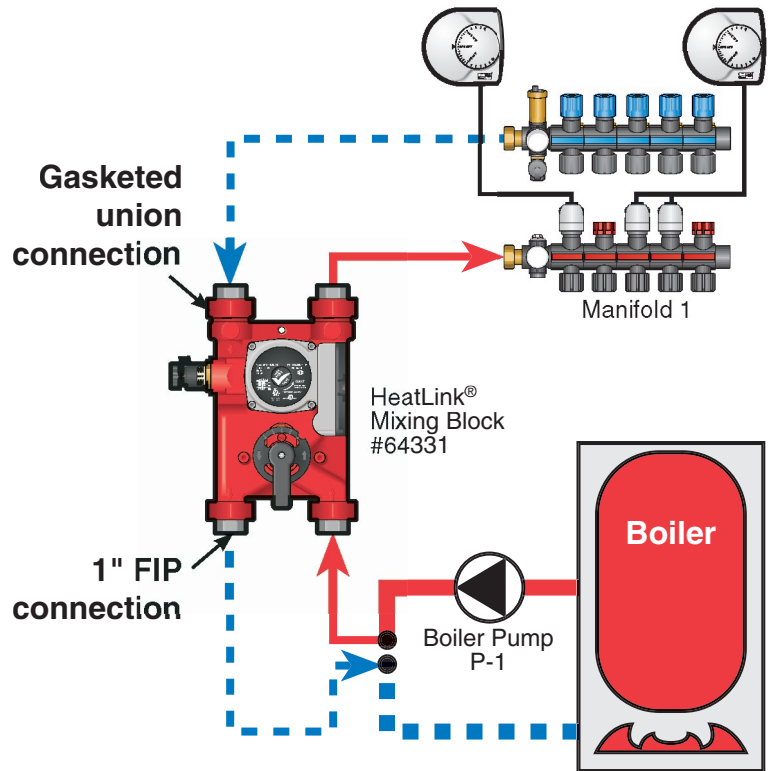
In reference to the pump graph for the mixing block, the system pump on block is to be set to Speed 2.

Pressure Balancing Setting:

To ensure system flow does not get bypassed at the working condition, the bypassing pressure is normally 0.5 to 1 psi (or 1 to 2 ft head) higher than the total system head. For this particular example, we would put the pressure balancing valve on block at $(9.2 + 2) = 11.2$ ft head. In referencing to the dial setting graph above, the preferred setting is 2.5.

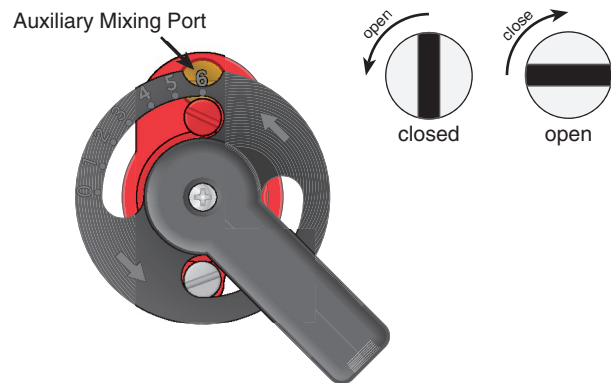
Pump Instructions

Refer to the enclosed Grundfos instructions on Maintenance-Free Circulators.



Adjustable Auxiliary Mixing Port

The adjustable auxiliary mixing port reduces 4-way mixing valve hunting. For smaller systems it is recommended that the auxiliary mixing port be partially open. Turn the 4-way mixing valve counter-clock wise so it is fully open (setting 6) to gain access to the auxiliary mixing port.



Optional Mixing Valve Motor 58130 Mounting

Refer to the "Left Hand Mounting Instructions" section on the instructions (L6360) included with the mixing valve motor.