

# Watts Series PIPF

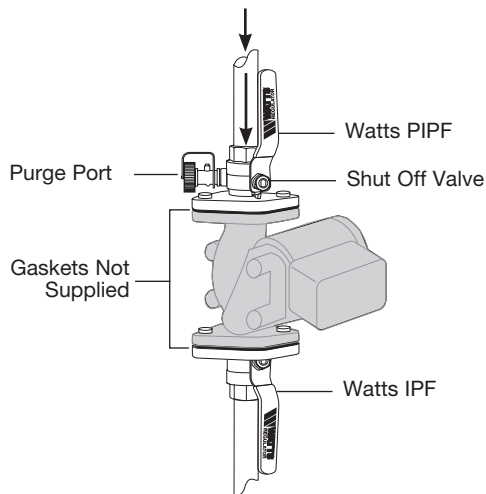
## Isolation Pump Flange with Purge Port and Swivel Flange

Series PIPF Pump Flanges are designed to simplify the installation, service and removal of pumps and circulators in hydronic systems. PIPF pump flanges feature a purge port which allows system purging at the pump or circulator. PIPF pump flanges also feature a swivel flange, which allows you to rotate the valve body so you can put the purge port in the best position for your application.

### Installation

To install simply bolt the PIPF flange to the return side of the pump/circulator flange. Be sure that there is a pump gasket between each flange. Contact your wholesaler if you require a gasket.

1. Bolt the PIPF flange to the return side of the pump/circulator flange.  
**STOP!** Do not install the PIPF flange without a pump gasket.
2. Tighten the bolts joining the PIPF flange to the pump flange, taking care not to over-tighten. Hand-tighten and ½" turn is recommended.
3. When the system is filled, inspect for leaks at the flange. Tighten the bolts as needed, taking care not to over-tighten.
4. For solder models only, slip the plastic tether on the purge port over the slotted ball valve to protect tether from heat applied during soldering.



### For Solder Models

This valve is designed to be soft soldered into lines without disassembly, using a low temperature solder 420°F (216°C). Other solders such as 95/5 tin antimony 460°F (238°C) or 96/4 tin silver 430°F (221°C) can be used, however extreme caution must be used to prevent seal damage. Higher temperature solders will damage the seat material. ANSI B16.18 states that the maximum operating pressure of 50-50 solder connections is 200psi (13.8 bar) at 100°F (38°C), and decreases with higher temperatures.

Apply heat with the flame directed AWAY from the center of the valve body. Excessive heat can harm the seats.

### Purging the Hydronic System

1. Isolate all circuits by shutting the isolation or zone valve and the PIPF shutoff valves. Remove cap from purge port.
2. Starting with one circuit, attach a hose to the purge port of the PIPF. (Note: A hose must be run into a suitable floor drain or run to the outside to accommodate purged water).
3. Open the PIPF's purge port by turning the brass screw ¼ turn, and open the isolation or zone valve.
4. Then open the make up water or boiler fill valve's fast fill feature. Allow water to flow through the PIPF's purge port until the water runs clear and free of air bubbles.
5. Close the make up water or boiler fill valve.
6. Next close the PIPF purge port by turning the brass screw ¼ turn until the water stops flowing. Shutoff the isolation or zone valve. Replace cap on purge port.
7. Repeat steps 2 – 6 for each zone.
8. Upon completion of purging all zones of air, open the PIPF shut off valve.

**CALIFORNIA PROPOSITION 65 WARNING**  
**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)  
For more information: [www.watts.com/prop65](http://www.watts.com/prop65)

**Limited Warranty:** Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

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The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

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