

Series 1156F, T156B and N256

Feed Water Pressure Regulators

Sizes: 1/2" – 3/4"

WARNING



Read this Manual **BEFORE** using this equipment. Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment. Keep this Manual for future reference.



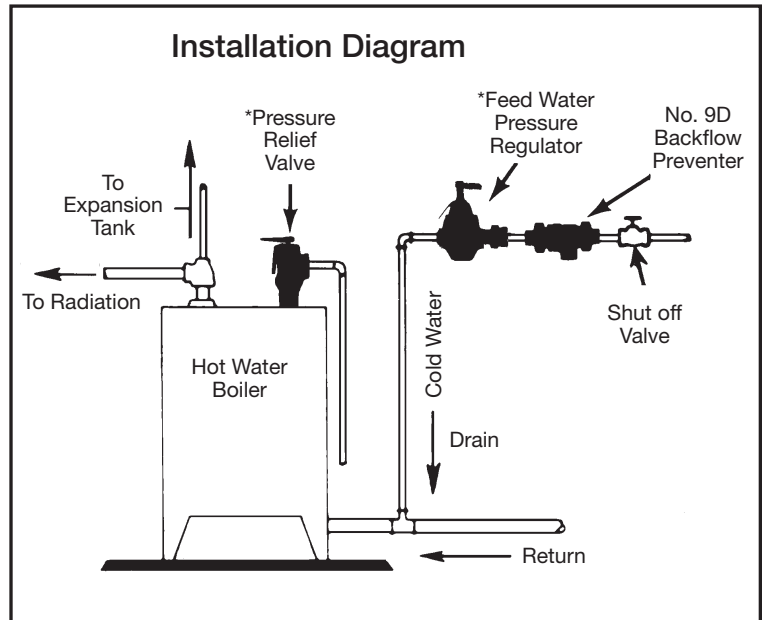
Installation Instructions

1. The Watts Feed Water Pressure Regulator must be installed on the cold water supply line to the boiler. It may be installed in either vertical or horizontal position. Allow sufficient clearance to operate the fast fill and purge lever.
2. Install a shutoff valve upstream of the regulator.

NOTICE

Local codes typically require the use of a backflow preventer in the system (Watts Model 9D). Consult local authorities for the type, installation and testing requirements. The backflow preventer must be installed upstream of the regulator.

3. Prior to installing the regulator, flush out the supply pipe to clear it of chips, scale, dirt, etc.
4. Install the Watts regulator in the supply line to the boiler with the arrow on the valve body pointing in the direction of flow to the boiler.

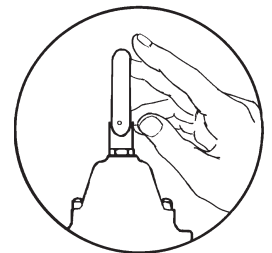


Operation

1. To fill the system, open the shutoff valve upstream of the regulator. This valve must always be kept open when the system is in operation. Water will flow into the system until it is full and under pressure.

NOTICE

Series with Fast Fill and Purge Lever 1/2" valves are equipped with a unique and simple "fast fill and purge lever" which permits rapid filling of the system, and sustained flow for air purging. When the lever is raised to the vertical position it pushes a removable "Push Rod" down. This manually forces the valve to a wide open position for maximum flow. Returning the lever to its normal position releases the tension on the rod permitting the valve to maintain normal system pressure.



CAUTION

Always observe the Boiler Pressure Gauge when using this feature. Using this feature with the Purge Valve closed can result in over pressurizing the system or exceeding the Pressure Safety Relief Valve setting. Over pressurization can result in a water discharge from the Relief Valve. This feature can be disabled to prevent tampering or accidental misuse of the fast fill feature by simply unscrewing the fast fill lever cap and removing the push rod.

2. The regulator is set to deliver water to the boiler at approximately 15 lbs. pressure. This pressure is sufficient for a 3 story building. To reset the reducing valve for higher pressure (when the pressure is not sufficient to lift the water to highest radiation):
 - A. Calculate the number of feet from the regulator to the top of highest radiation.
 - B. Multiply this number by 0.43 and add 3 lbs. This will give the pressure required to raise the water to the highest radiator and keep the system under pressure.
3. **To reset the regulator valve:** Remove the fast fill lever cap, and loosen the lock nut. To raise the reduced pressure - slowly turn the adjusting screw clockwise until the system gauge indicates the pressure required. To lower the reduced pressure - turn the adjusting screw counterclockwise. After completing adjustments, tighten the lock nut and replace the fast fill lever cap.

NOTICE

Watts is not responsible for boiler failure on boilers without low water cutoffs.

WARNING

Annual inspection of all water system safety and control valves is required and necessary. Regular inspection, testing and cleaning assures maximum life and proper product function.

Limited Warranty: Watts (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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