



OPERATION INSTRUCTIONS

For Pressure Reducing Valve

OTHER

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

Hydro Master 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.

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Installation Diagram

