

Pre-assembled, compact fire sprinkler riser unit for residential sprinkler systems

INSTALLATION INSTRUCTIONS

WARNING

Incoming water supply and fire sprinkler system must be flushed clean of any debris before connecting to the Resi-Riser. Failure to flush the system clean of all debris can result in damage to the valves and will void the warranty.

CAUTION

DO NOT PERFORM THE SYSTEM INTEGRITY TEST BEFORE LOCKING OUT THE PRESSURE RELIEF VALVE (SEE HYDROSTATIC TESTING).

INSTALLATION

1. Determine the installation location and orientation of the Resi-Riser (drain to right or drain to left). If needed, adjust the pressure gauge so that it faces the desired direction. Make sure the gauge is tight. **Do not overtighten gauge.**
2. Mount the Resi-Riser square to the wall and attach to the stud using the upper and lower mounting legs. Only one screw is needed per mounting leg.
3. Confirm the flow direction and connect the outlet side of the Resi-Riser to the fire sprinkler system. Then pipe the drain to the desired location. **NOTE: Local codes will dictate drain requirements.**
4. To complete the installation, connect the inlet side of the Resi-Riser to the incoming water supply. **NOTE: Some local codes require the use of a meter or a backflow preventer prior to the inlet of the Resi-Riser.**
5. Perform the hydrostatic test (see hydrostatic testing).

HYDROSTATIC TESTING

1. To perform the hydrostatic test, lock the pressure relief valve out by removing the brass cap from the red handle with a screwdriver or a quarter, flip it upside down and tighten. This blocks the pressure relief mechanism from opening during the hydrostatic test.
2. Perform the hydrostatic test. Test requirements determined by NFPA13 and AHJ.
3. After a successful hydrostatic test, relieve excess test pressure by opening drain valve handle. To return pressure relief to operational status, remove the brass cap, flip it over and screw it down until it is flush with the handle.

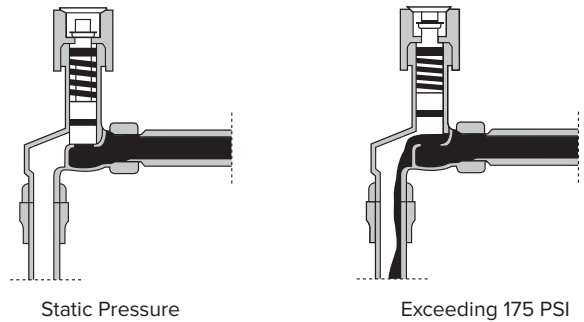
For pressure relief valve instructions see page 2.

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PRESSURE RELIEF VALVE INSTRUCTIONS

NORMAL OPERATION

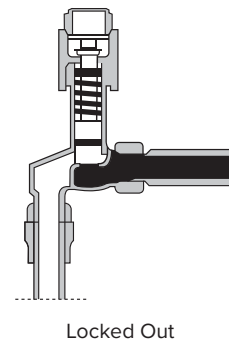
When the red handle is in the closed position and the brass cap is flush with the handle, the drain valve is in the pressure relief configuration and will operate as intended, relieving pressure in excess of 175 PSI.



HYDROSTATIC TESTING

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After a successful hydrostatic test, relieve excess test pressure by opening drain valve handle. To return pressure relief to operational status, remove the brass cap, flip it over and screw it down until it is flush with the handle.



TO DRAIN

To drain the system, turn the red handle counterclockwise until the water drains at an acceptable rate. To restore the valve to operation, turn the handle clockwise until it stops.

