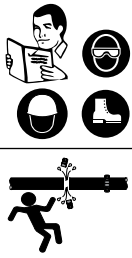


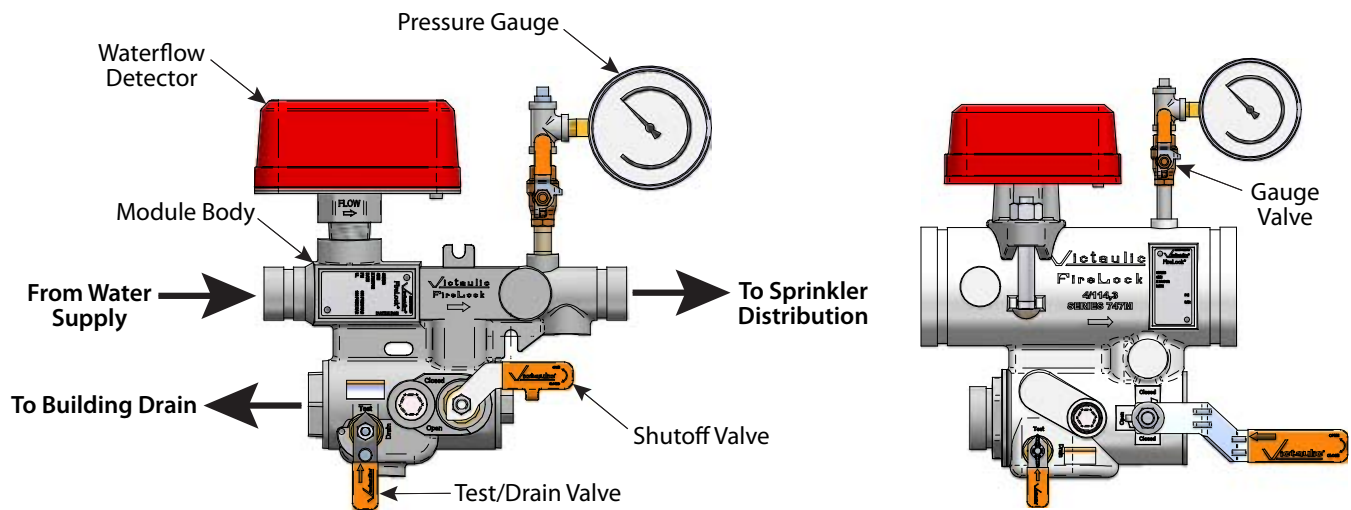
FireLock® Zone Control Riser Module Assembly

SERIES 747M

⚠ WARNING



- Read and understand all instructions before attempting to install any Victaulic products.
- Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic products.
- Wear safety glasses, hardhat, and foot protection when working with Victaulic piping products. Failure to follow these instructions could result in serious personal injury and/or property damage.



1 1/4 - 2-inch/42.4 - 60.3-mm Sizes
(Valves shown above in the "test" position)

2 1/2 - 6-inch/73.0 - 168.3-mm Sizes
(Valves shown above in the "test" position)

INSTALLATION OF THE SERIES 747M

The Series 747M FireLock Zone Control Riser Module includes the module body, a UL or ULC Listed and FM Approved waterflow detector, a pressure gauge, and an alarm test module available with different orifice sizes (K-factors). In addition, an optional pressure relief valve kit is available (refer to the other side of this sheet).

NOTE CONCERNING WATERFLOW DETECTOR INSTALLATION AND MAINTENANCE INSTRUCTIONS VERSUS RISER MANIFOLDS, AS STATED FROM THE WATERFLOW DETECTOR MANUFACTURER: "The section 'Installation Guidelines' suggests mounting the detector at least 6 inches/152 mm from a fitting that changes the direction of water flow and no less than 24 inches/610 mm from a valve or drain. This is a general statement that is superseded when a riser manifold assembly is listed or approved by agencies such as UL and/or FM. The agency approval takes precedence because this configuration has been tested and its operation validated."

1. Install the Series 747M into the system using Victaulic grooved pipe couplings. Always refer to the instructions, supplied with the coupling, for complete installation requirements. **NOTE:** The Series 747M can be installed in either the horizontal (left-to-right or right-to-left flow) or vertical (up) position. The flow direction arrow **MUST** point toward the sprinkler distribution, as shown above.
2. **For 2 1/2 - 6-inch/73.0 - 168.3-mm modules:** Connect the drain outlet from the Series 747M to a building drain by using a Victaulic grooved pipe coupling (refer to the drawing above). Always refer to the instructions, supplied with the coupling, for complete installation requirements.

- 2a. **For 1 1/4 - 2-inch/42.4 - 60.3-mm modules with the NPT threaded drain outlet:** Follow standard piping practices to make the threaded connection.
 - For 1 1/4 - 2-inch/42.4 - 60.3-mm modules, the nominal drain size is 1 inch/25 mm.
 - For 2 1/2 - 3-inch/73.0 - 88.9-mm modules, the nominal drain size is 1 1/4 inches/32 mm.
 - For 4 - 6-inch/114.3 - 168.3-mm modules, the nominal drain size is 2 inches/50 mm.
3. Apply thread sealant to the threads of the pressure gauge. Install the pressure gauge into the tee coming from the gauge valve. Make sure the face of the gauge is visible.
- 3a. Open the gauge valve.
4. Connect the water-flow detector to the alarm system in accordance with the instructions supplied.
5. **For modules being installed with the optional pressure relief valve:** Follow the instructions on the other side of this sheet.
6. Perform the system flow test, as outlined on the other side of this sheet.

FireLock® Zone Control Riser Module Assembly

SERIES 747M

SYSTEM FLOW TEST

WARNING

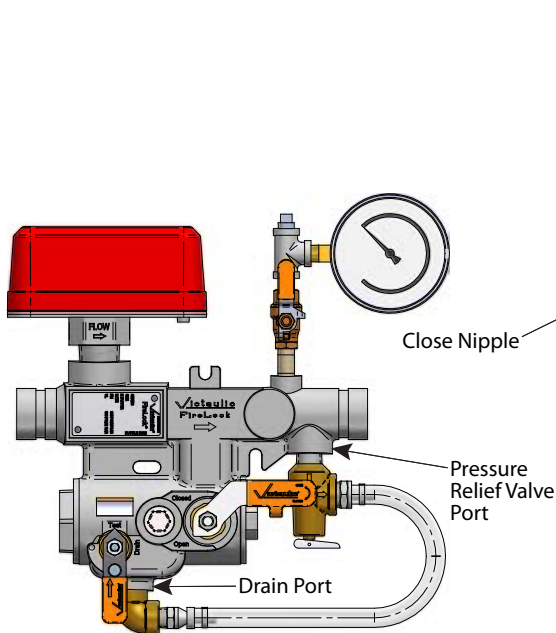
- **DO NOT** operate the “Test/Drain Valve” under pressure. **Make sure the “Shutoff Valve” is in the “Closed” position before operating the “Test/Drain Valve.”**
- Failure to follow these instructions could result in serious personal injury and property damage.**

Notify the authority having jurisdiction, remote station alarm monitors, and anyone in the affected area that the system flow test is being conducted.

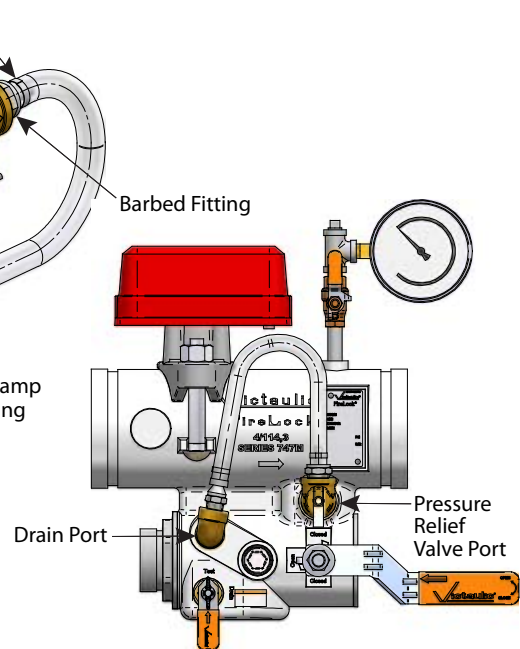
1. Before performing the system flow test, confirm that all valves are in their normal operating positions (“Shutoff Valve” in “Closed” position and “Test/Drain Valve” in “Drain” position).

2. **For 1¼ - 2-inch/42.4 - 60.3-mm modules:** Turn the thumb screw on the handle of the “Test/Drain Valve” counterclockwise. Place the handle of the “Test/Drain Valve” in the “Test” position.
- 2a. **For 2½ - 6-inch/73.0 - 168.3-mm modules:** Turn the wing nut on the handle of the “Test/Drain Valve” half a turn counterclockwise. Place the handle of the “Test/Drain Valve” in the “Test” position.
3. Place the “Shutoff Valve” in the “Open” position.
4. Verify that the water-flow detector is operating properly and that the alarms have sounded.
5. When the system flow test is complete, place the “Shutoff” valve in the “Closed” position.
6. Place the “Test/Drain Valve” back to the “Drain” position. Hand-tighten the thumb screw or wing nut.

PRESSURE RELIEF VALVE KIT OPTION FOR THE SERIES 747MP



1¼ - 2-inch/42.4 - 60.3-mm Sizes
(Valves shown above in the “test” position)



2½ - 6-inch/73.0 - 168.3-mm Sizes
(Valves shown above in the “test” position)

INSTALLATION OF THE SERIES 747MP PRESSURE RELIEF VALVE KIT OPTION

CAUTION

- There must be **NO** shutoff valves between the Series 747MP and the building drain.
 - The pressure relief valve **MUST** be unrestricted in order to discharge to the drain.
- Failure to follow these instructions could result in improper operation.**

The following instructions apply to a Series 747MP installed in either the horizontal (left-to-right or right-to-left flow) or vertical (up) position. **The pressure relief valve is rated to 175 psi/1206 kPa.**

1. Make sure all instructions in the “Installation of the Series 747MP” section on the other side of this sheet have been followed.
2. Remove the plugs from the drain port and the pressure relief valve port. Refer to the drawings above.
3. Apply thread sealant to the threads of the close nipple and pressure relief valve.
4. Install the close nipple into the drain port, as shown above.
5. Install the pressure relief valve into the pressure relief valve port, as shown above.
6. Connect the drain tubing from the drain port’s close nipple to the pressure relief valve using the barbed fittings and hose clamps provided.
7. Follow all steps in the “System Flow Test” section on this page.

For complete contact information, visit www.victaulic.com

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