

SERIES 751 FIRELOCK™ ALARM CHECK VALVE
(UL/FM Alarm Valve and Trim With or Without Excess Pressure Pump)



Scan QR code for access to Victaulic publication 30.01 and reference the standard trim sections.

THIS WALL CHART IS A GUIDE FOR PLACING THE SYSTEM IN SERVICE AND FOR PERFORMING REQUIRED MAIN DRAIN TESTS.

AN EXPERIENCED, TRAINED INSTALLER SHALL READ AND UNDERSTAND THE FULL CONTENTS OF THE INSTALLATION, MAINTENANCE, AND TESTING MANUAL AND ALL WARNING MESSAGES BEFORE ATTEMPTING TO PLACE THE SYSTEM INTO SERVICE.

INITIAL SYSTEM SETUP

WARNING

- The Series 751 Alarm Check Valve and supply piping shall be protected from freezing temperatures and mechanical damage.
  - For proper operation of alarms in a wet system, it is important to remove all air from the system. Auxiliary drains may be required to release all trapped air from the system.
  - Alarms and electrical panels that are controlled by an alarm flow switch on the riser shall not be interrupted.
- Failure to follow these instructions could cause improper valve operation, resulting in death or serious personal injury and property damage

Step 1:

Confirm that all system drains are shut and that the system is free of leaks.

Step 2:

Confirm that the system has been depressurized. The gauges should indicate zero pressure.

Step 3:

Open the remote system test valve (inspector's test connection) and any auxiliary drains.

Step 4:

Close the alarm line ball valve to prevent alarms from operating while the system is filling.

Step 5:

Open the water supply main control valve slowly. Allow the system to fill with water completely. Allow water to flow from the remote system test valve (inspector's test connection) and any auxiliary drains until all trapped air is removed from the system.

Step 6:

Close the remote system test valve (inspector's test connection) and any auxiliary drains. NOTE: The system pressure gauge should be equal to or greater than the water supply pressure gauge.

Step 7:

Open the water supply main control valve fully.

WARNING

- The alarm line ball valve (lockable) shall remain in the open position to allow alarms to activate.
- Failure to leave the alarm line ball valve open will prevent alarms from activating, resulting in death or serious personal injury and property damage.

Step 8:

Open the alarm line ball valve (lockable).

Step 9:

Confirm that all valves are in their normal operating positions (refer to the table below).

Step 10:

Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the system is in service.

NOTICE

- Excess pressure pump operation shall be automatic in response to decreasing pressure.

NORMAL OPERATING POSITIONS FOR VALVES

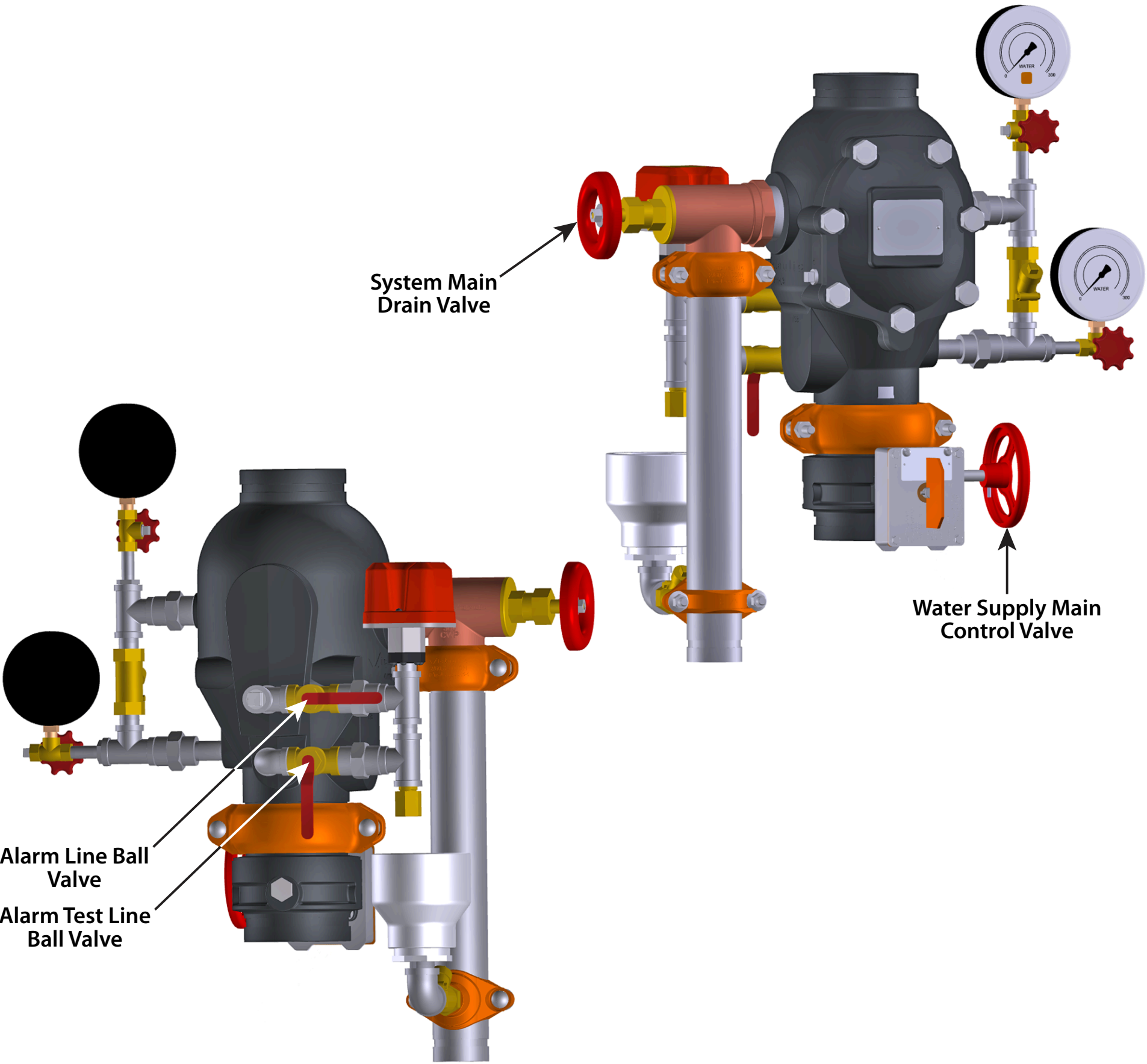
Standard Trim

Valve	Normal Operating Position
Alarm Line Ball Valve	Open
Alarm Test Line Ball Valve	Closed
Water Supply Main Control Valve	Open
System Main Drain Valve	Closed

NORMAL OPERATING POSITIONS FOR VALVES

Trim for Use with Excess Pressure Pump

Valve	Normal Operating Position
Excess Pressure Pump Isolation Ball Valves	Open
Excess Pressure Pump Pressure Switch Isolation Ball Valve	Open
Alarm Line Ball Valve	Open
Alarm Test Line Ball Valve	Closed
Water Supply Main Control Valve	Open
System Main Drain Valve	Closed



REQUIRED MAIN DRAIN TEST

Refer to NFPA 25, FM Datasheets, or any applicable local requirements to perform main drain tests. The authority having jurisdiction in the area may require these tests on a more frequent basis. Verify these requirements by contacting the authority having jurisdiction in the affected area.

- Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the main drain test will be performed.
- Confirm that sufficient drainage is available.
- Record the water supply pressure and system water pressure.

NOTICE

- Close the alarm line ball valve at this point to prevent alarms from activating during the main drain test.

- Close the alarm line ball valve.
- Open the system main drain valve fully. Record the water supply pressure as the residual pressure.
- Close the system main drain valve slowly. Record the water pressure established after closing the system main drain valve.
- Compare the residual pressure reading to the residual pressure readings taken in previous main drain tests. If there is degradation in the residual water supply reading, restore the proper water supply pressure.

WARNING

- The alarm line ball valve (lockable) shall remain in the open position to allow alarms to activate.
- Failure to leave the alarm line ball valve open will prevent alarms from activating, resulting in death or serious personal injury and property damage.

- Open the alarm line ball valve.
- Confirm that all valves are in their normal operating positions (refer to the table to the left).
- Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the valve is back in service. Provide test results to the authority having jurisdiction, if required.

