

SERIES 751 FIRELOCK EUROPEAN ALARM CHECK VALVE STATIONS



NOTE: THIS WALL CHART IS A GUIDE FOR PLACING THE SYSTEM IN SERVICE AND FOR PERFORMING WATER FLOW ALARM TESTS.

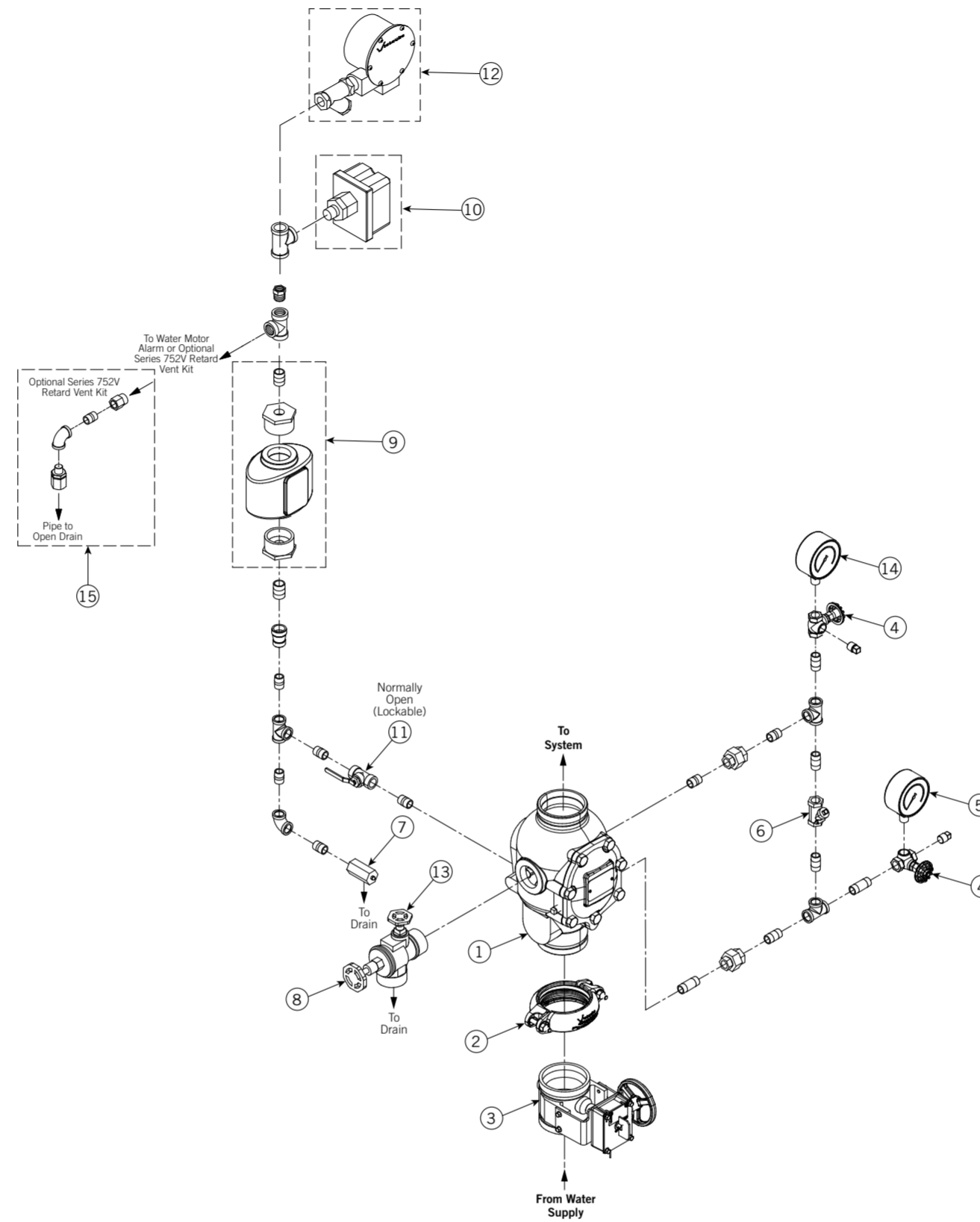
ALWAYS REFER TO THE INSTALLATION, MAINTENANCE, AND TESTING MANUAL FOR COMPLETE INFORMATION.

PLACING THE SYSTEM IN SERVICE

1. Open the system main drain valve (8). Confirm that the system is drained.
2. Close the system main drain valve (8).
3. Confirm that system drains are shut and the system is free of leaks.
- 3a. Confirm that the system has been depressurized. The gauges should indicate zero pressure.
4. Open the remote system test valve (inspector's test connection) and any auxiliary drains to remove all air from the system.
5. Close the alarm line ball valve (11) to prevent alarms from operating while the system is filling. Alarm and electrical panels (controlled by an alarm flow switch on the riser) cannot be interrupted. **NOTE:** If alarm activation is possible, notify local fire companies that the system is being serviced.
6. Open the water supply main control valve (3) slowly.
7. 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.
8. After a steady flow of water is established and all air is released from the system, close the remote system test valve (inspector's test connection) and any auxiliary drains in the system.
9. Record the system pressures. The system pressure gauge (14) should be equal to or greater than the water supply pressure gauge (5).
10. Open the water supply main control valve (3) fully.
11. Open the alarm line ball valve (11). Lock the ball valve, if required.
12. Confirm that all valves are in their normal operating positions (refer to table below).
13. Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the system is in service.

NORMAL OPERATING POSITIONS FOR VALVES

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



Item	Description
1	Series 751 FireLock European Alarm Check Valve
2	FireLock Rigid Coupling
3	Water Supply Main Control Valve
4	Gauge Valve
5	Water Supply Pressure Gauge (0-25 Bar)
6	Drain Swing Check Valve
7	Restricted Orifice/Alarm Line Drain
8	System Main Drain Valve
9	Series 752 VdS Retarding Chamber Assembly **
10	Alarm Pressure Switch
11	Alarm Line Ball Valve (Lockable - Normally Open)
12	Series 760 European Water Motor Alarm Assembly **
13	System Test Valve
14	System Pressure Gauge (0-25 Bar)
15	Series 752V Retard Vent Kit **

** Optional/sold separately

The Series 752V Retard Vent Kit is required any time an air break is needed above the Series 752 Retard Chamber. In addition, the Series 752V Retard Vent Kit is required if multiple valves are tied into one water motor alarm and a check valve isolates each line.

WATER FLOW ALARM TEST

Perform the water flow alarm test on a frequency required by national standards. In addition, 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.

1. Notify the authority having jurisdiction, remote station alarm monitors, and anyone in the affected area that the water flow alarm test will be performed.
2. Verify that the alarm line ball valve (11) is open.
3. Open the system test valve (13) fully. Confirm that mechanical and electrical alarms are activated and that remote monitoring stations, if provided, receive an alarm signal. **NOTE:** There may be a time delay if a Series 752 Retard Chamber (9) is installed.
4. Close the system test valve (13) after proper operation of all alarms is verified.
5. Verify that all alarms stopped sounding, that the alarm line drained properly, and that remote station alarms reset properly.
6. Push in the plunger of the restricted orifice/alarm line drain (7).
 - 6a. Verify that water is not flowing from the restricted orifice/alarm line drain (7).
7. Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the valve is back in service.
8. Provide test results to the authority having jurisdiction, if required.