

SERIES 769 FIRELOCK NXT™ EUROPEAN DELUGE VALVE STATIONS

HYDRAULIC (WET PILOT) RELEASE

NOTE: Only the VicQuick Riser configuration and certain valve sizes are VdS approved.

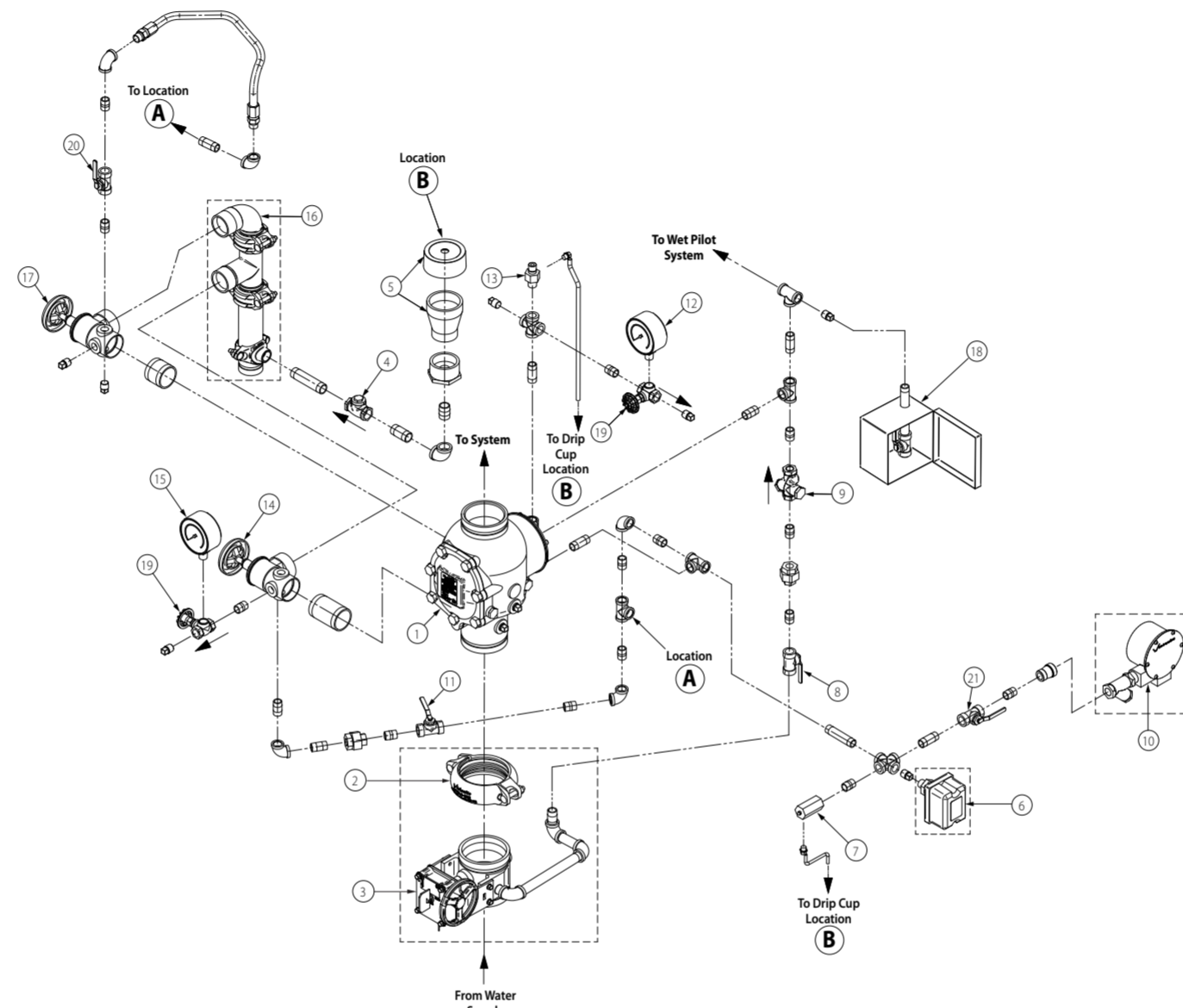


NOTE: THIS WALL CHART IS A GUIDE FOR PLACING THE SYSTEM IN SERVICE AND FOR PERFORMING WATER FLOW ALARM TESTS.

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

PLACING THE SYSTEM IN SERVICE

1. Open the system main drain valve (Item 17). Confirm that the system is drained.
2. Close the system main drain valve (Item 17).
3. Confirm that all system drains are shut and that the system is free of leaks.
4. Confirm that the system has been depressurized. The gauges should indicate zero pressure.
5. Open the diaphragm-charge-line ball valve (Item 8).
6. Confirm that water is flowing steadily from the Auto Drain (Item 13).
7. Close the diaphragm-charge-line ball valve (Item 8).
8. Confirm that the alarm test ball valve (Item 11) is closed.
9. Open the diaphragm-charge-line ball valve (Item 8). Allow water to flow through the Auto Drain (Item 13) tube.
10. Open the manual pull station (Item 18) to bleed off any air that is present.
11. Close the manual pull station (Item 18).
12. Pull up on the Auto Drain Sleeve (Item 13) until the screw is in the set ("Up") position. Verify that there is pressure on the gauge (Item 12) to the diaphragm charge line.
13. When the diaphragm charge line is pressurized, temporarily close the diaphragm-charge-line ball valve (Item 8). Confirm that the diaphragm charge line is maintaining pressure by observing the diaphragm-charge-line pressure gauge (Item 12).
14. If pressure in the diaphragm charge line drops, the diaphragm must be replaced and/or any leaks in the diaphragm charge line must be corrected.
15. If pressure in the diaphragm charge line does not drop, re-open the diaphragm-charge-line ball valve (Item 8), and proceed to the following step.
16. Open the water supply main drain valve (Item 14).
17. Open the water supply main control valve (Item 3) slowly until water flows steadily from the open water supply main drain valve.
18. Close the water supply main drain valve (Item 14) when a steady flow of water occurs.
19. Confirm that there is no leakage from the intermediate valve chamber. The drip check (Item 7) in the alarm line should not be leaking.
20. If water is flowing from the drip check (Item 7), close the water supply main control valve (Item 3), and start over at step 1.
21. Open the water supply main control valve (Item 3) fully.
22. Record the water supply pressure.
23. Confirm that all valves are in their normal operating positions (refer to table in next column).



Item	Description
1	Series 769 FireLock NXT Deluge Valve
2	FireLock Rigid Coupling *
3	Water Supply Main Control Valve *
4	Drain Swing Check Valve
5	Drip Cup with Cap
6	Alarm Pressure Switch *
7	Series 729 Drip Check Valve
8	Diaphragm-Charge-Line Ball Valve (Normally Open)
9	3-in-1 Strainer/Check/Restrictor Assembly
10	Series 760 Water Motor Alarm **
11	Alarm Test Ball Valve (Normally Closed - Lockable)
12	Diaphragm-Charge-Line Pressure Gauge (0 - 300 psi/0 - 20.7 Bar)

* Optional/sold separately - comes standard when VQR assembly is ordered
 ** Optional/sold separately

Item	Description
13	Series 749 Auto Drain
14	Water Supply Main Drain Valve - Flow Test
15	Water Supply Pressure Gauge (0 - 300 psi/0 - 20.7 Bar)
16	Drain Connection Kit *
17	System Main Drain Valve
18	Series 755 Manual Pull Station
19	Gauge Valve
20	Alarm Line Ball Valve (Normally Open - Lockable)
21	Water Motor Alarm Shutoff Valve (Normally Open - Lockable)

NORMAL OPERATING POSITIONS FOR VALVES

Valve	Normal Operating Position
Diaphragm-Charge-Line Ball Valve	Open
Alarm Test Ball Valve	Closed
Water Supply Main Control Valve	Open
Water Supply Main Drain Valve	Closed
System Main Drain Valve	Closed
Alarm Line Ball Valve	Open
Water Motor Alarm Shutoff Valve	Open

WATER FLOW ALARM TEST

Perform the water flow alarm test on a frequency required by the local authority having jurisdiction. Verify these requirements by contacting the authority having jurisdiction in the affected area.

1. Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the water flow alarm test will be performed.
2. Open the water supply main drain valve (Item 14) fully to flush the water supply of any contaminants.
3. Close the water supply main drain valve (Item 14).
4. Close the alarm line ball valve (Item 20).
5. Open the alarm test ball valve (Item 11). Confirm that mechanical and electrical alarms are activated and that remote monitoring stations, if provided, receive an alarm signal.
6. Close the alarm test ball valve (Item 11) after verifying proper operation of all alarms.
7. Open the alarm line ball valve (Item 20).
8. Push in the plunger of the drip check (Item 7) to verify that there is no pressure in the alarm line.
9. Verify that all alarms stopped sounding, that the alarm line drained properly, and that remote station alarms reset properly.
10. Confirm that there is no leakage from the intermediate valve chamber. The drip check (Item 7) in the alarm line should not be leaking.
11. Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the valve is back in service.
12. Provide test results to the authority having jurisdiction, if required.

