SERIES 769N FIRELOCK NXT™ DELUGE VALVE “FG” ELECTRIC RELEASE TRIM WITH 24 VDC NORMALLY-CLOSED SOLENOID VALVE

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

NOTICE
• **Before proceeding with initial system setup, verify that an approved control panel is installed for proper system operation.**

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:
Confirm that the alarm test ball valve (Item 10b) of the priming manifold assembly (Item 10) is closed.

Step 4:
Open the charge line ball valve (Item 10a) of the priming manifold assembly (Item 10). Allow water to flow through the auto drain tube.

Step 5:
Confirm that the solenoid valve (Item 7) is closed (de-energized).

Step 6:
Confirm that water is not flowing through the solenoid valve (Item 7).

Step 7:
Open the manual pull station (Item 8) valve to bleed off any air that is present, then close the manual pull station valve. Verify that the charge line pressure (Item 9) is equal to the supply pressure, and verify that the auto drain is set by pulling up on the auto drain sleeve (Item 10c) of the priming manifold assembly (Item 10).

Step 8:
Open the water supply main drain valve (Item 5).

Step 9:
Open the water supply main control valve (Item 3) slowly until water flows steadily from the open water supply main drain valve (Item 5).

Step 10:
Close the water supply main drain valve (Item 5) when a steady flow of water occurs.

Step 11:
Open the water supply main control valve (Item 3) fully.

Step 12:
Confirm that all valves are in their normal operating positions (refer to the table below).

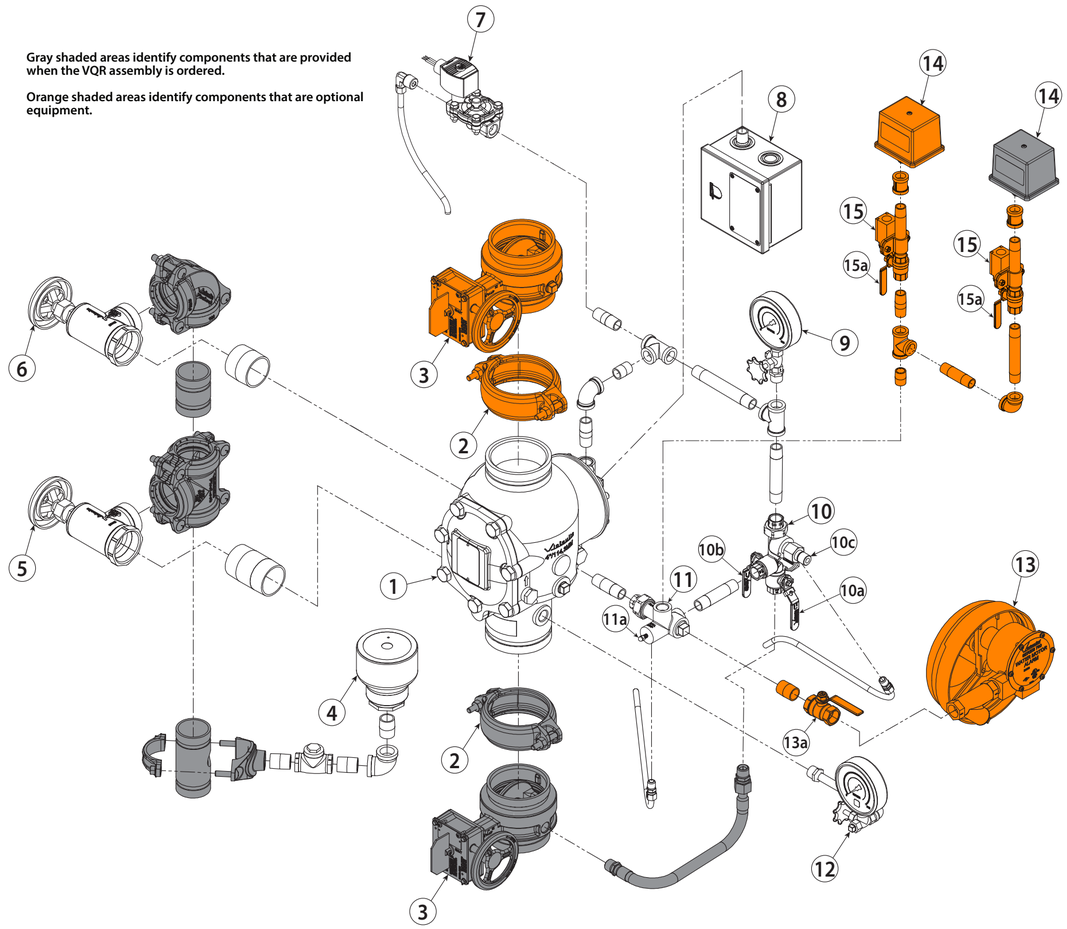
NORMAL OPERATING POSITIONS FOR VALVES

Valve	Normal Operating Position
Water Supply Main Control Valve	Open
Water Supply Main Drain Valve	Closed
System Main Drain Valve	Closed
Charge Line Ball Valve of the Priming Manifold Assembly	Open

Valve	Normal Operating Position
Alarm Test Ball Valve of the Priming Manifold Assembly	Closed
Alarm Line Monitoring Ball Valve	Open
Water Motor Alarm Shut-Off Valve	Open

Gray shaded areas identify components that are provided when the VQR assembly is ordered.

Orange shaded areas identify components that are optional equipment.



Item	Description
1	Series 769N FireLock NXT Actuated Valve
2	FireLock Rigid Coupling
3	Water Supply Main Control Valve
4	Drip Cup
5	Water Supply Main Drain Valve – Flow Test
6	System Main Drain Valve
7	24 VDC Normally-Closed Solenoid Valve

Item	Description
8	Series 755 Manual Pull Station
9	Charge Line Pressure Gauge/Gauge Valve Assembly
10	Priming Manifold Assembly
10a	Charge Line Ball Valve
10b	Alarm Test Ball Valve
10c	Auto Drain Sleeve
11	Alarm Manifold Assembly

Item	Description
11a	Ball Drip Plunger
12	Water Supply Pressure Gauge/Gauge Valve Assembly
13	Series 760 Water Motor Alarm Assembly
13a	Water Motor Alarm Shut-Off Valve
14	Alarm Pressure Switch
15	Alarm Line Monitoring Limit Switch Assembly
15a	Alarm Line Monitoring Ball Valve

WATER FLOW ALARM TEST

Perform the water flow alarm test on a frequency required by the current NFPA-25 code. 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 those in the affected area that the water flow alarm test will be performed.
2. Open the water supply main drain valve (Item 5) fully to flush the water supply of any contaminants.
3. Close the water supply main drain valve (Item 5).
4. Open the alarm test ball valve (Item 10b) of the priming manifold assembly (Item 10). Confirm that mechanical and electrical alarms are activated and that remote monitoring stations, if provided, receive an alarm signal.
5. Close the alarm test ball valve (Item 10b) of the priming manifold assembly (Item 10) after verifying proper operation of all alarms.
6. Push in the ball drip plunger (Item 11a) on the alarm manifold assembly (Item 11) to verify that there is no pressure in the alarm line.
7. Verify that all alarms stopped sounding, that the alarm line drained properly, and that remote station alarms reset properly.
8. Confirm that the ball drip on the alarm manifold assembly (Item 11) is not leaking water or air.
9. Provide test results to the authority having jurisdiction, if required.