

SERIES 769N FIRELOCK NXT™ ACTUATED VALVE WITH SINGLE-INTERLOCKED ELECTRIC AND DOUBLE-INTERLOCKED ELECTRIC (ELECTRIC-PNEUMATIC/ELECTRIC) RELEASE "FG" PREACTION 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 12b) of the priming manifold assembly (Item 12) is closed.

Step 4:

Open the charge line ball valve (Item 12a) of the priming manifold assembly (Item 12). Allow water to flow through the auto drain tube.

Step 5:

Confirm that the solenoid valve (Item 9) is closed (de-energized).

Step 6:

Confirm that water is not flowing through the solenoid valve (Item 9).

Step 7:

Open the manual pull station (Item 11) valve to bleed off any air that is present, then close the manual pull station valve. Verify that the charge line pressure (Item 10) is equal to the supply pressure, and verify that the auto drain is set by pulling up on the auto drain sleeve (Item 12c) of the priming manifold assembly (Item 12).

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:

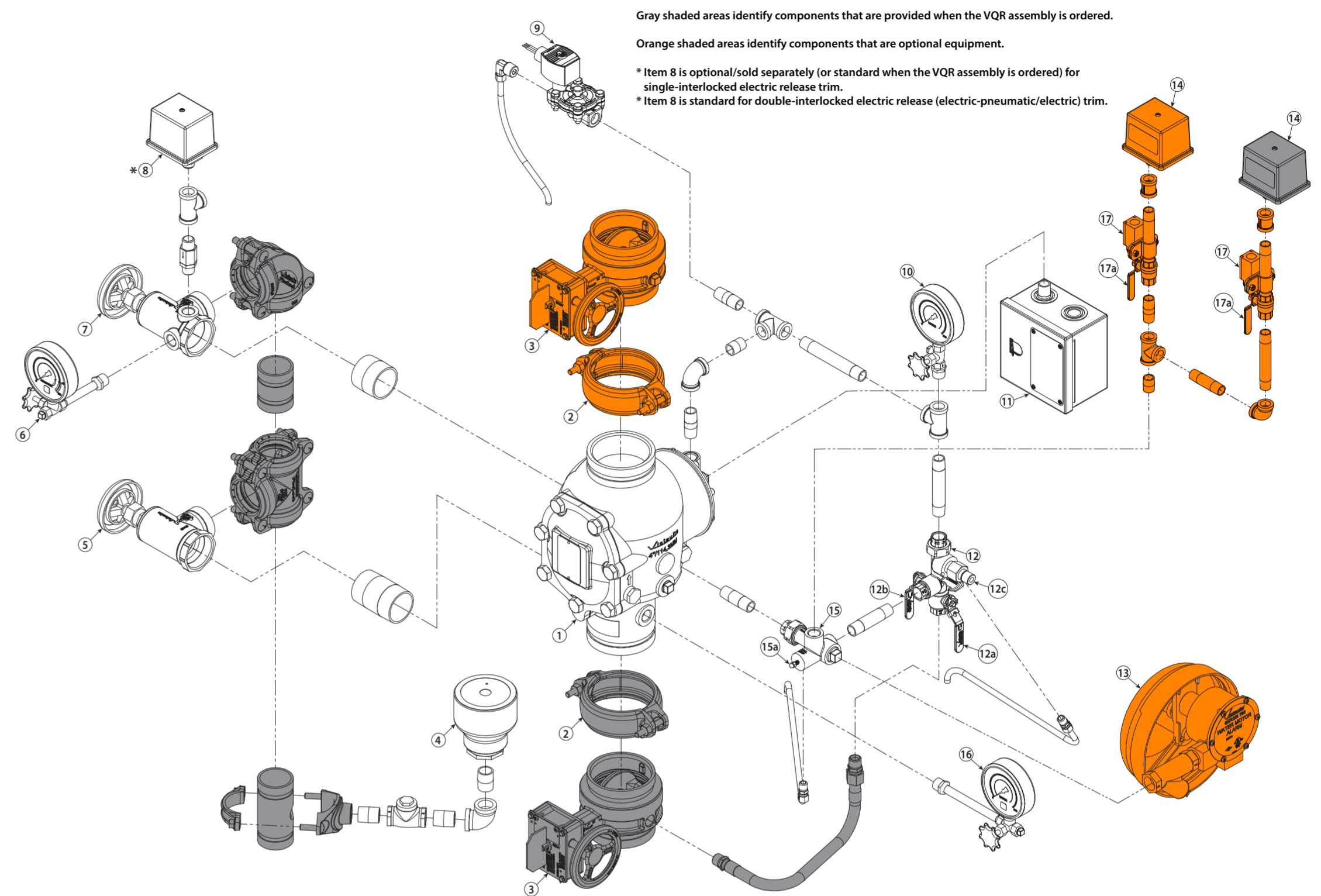
Open the water supply main control valve (Item 3) fully.

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



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 Pressure Gauge/Gauge Valve Assembly
7	System Main Drain Valve
8	Air Supervisory Pressure Switch (See Notes Above)

Item	Description
9	24 VDC Normally-Closed Solenoid Valve
10	Charge Line Pressure Gauge/Gauge Valve Assembly
11	Series 755 Manual Pull Station
12	Priming Manifold Assembly
12a	Charge Line Ball Valve
12b	Alarm Test Ball Valve
12c	Auto Drain Sleeve
13	Series 760 Water Motor Alarm Assembly

Item	Description
14	Alarm Pressure Switch
15	Alarm Manifold Assembly
15a	Ball Drip Plunger
16	Water Supply Pressure Gauge/Gauge Valve Assembly
17	Alarm Line Monitoring Limit Switch Assembly
17a	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 12b) of the priming manifold assembly (Item 12). 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 12b) of the priming manifold assembly (Item 12) after verifying proper operation of all alarms.
6. Push in the ball drip plunger (Item 15a) on the alarm manifold assembly (Item 15) 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 15) is not leaking water or air.
9. Provide test results to the authority having jurisdiction, if required.

