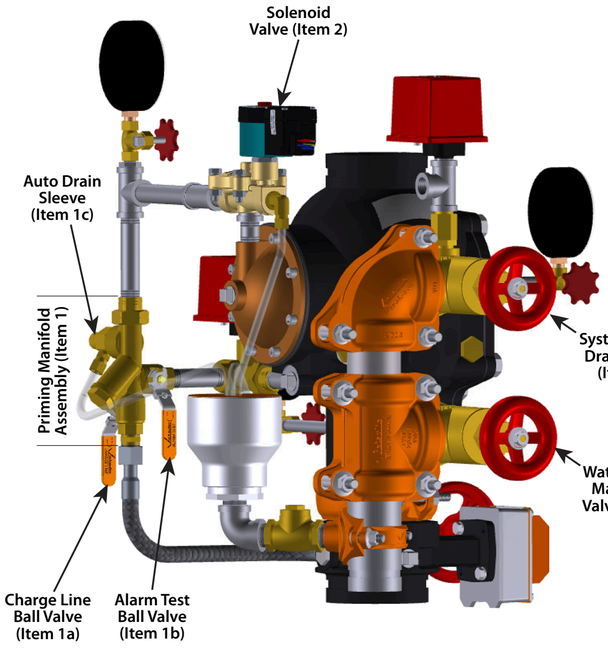
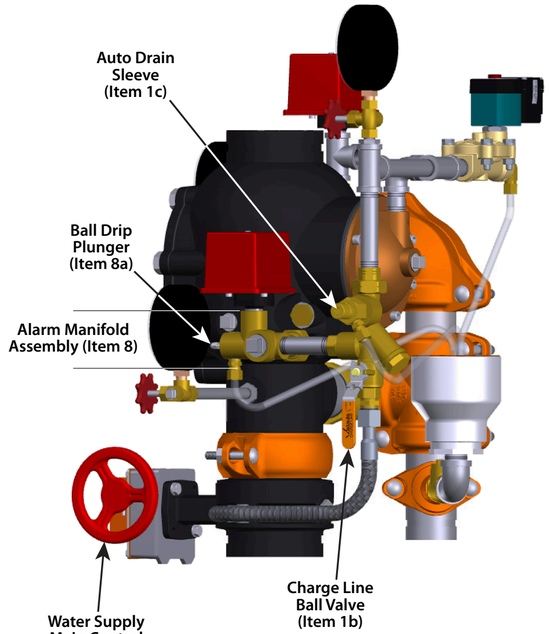
# SERIES 769N FIRELOCK NXT™ ACTUATED VALVE – SINGLE-INTERLOCKED ELECTRIC AND DOUBLE-INTERLOCKED ELECTRIC (ELECTRIC-PNEUMATIC/ELECTRIC) RELEASE PREACTION TRIM WITH 24 VDC NORMALLY-CLOSED SOLENOID VALVE

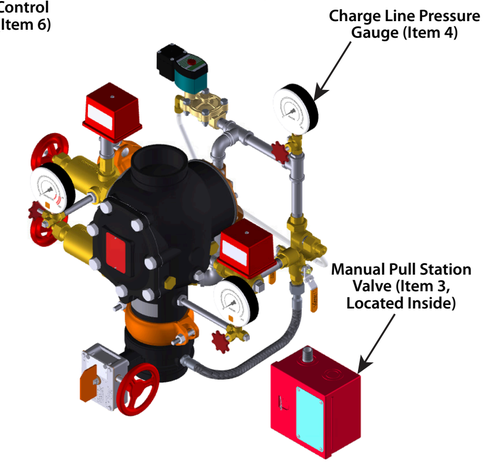
**THIS WALL CHART IS A GUIDE FOR PLACING THE SYSTEM IN SERVICE AND FOR PERFORMING WATER FLOW ALARM TESTS.**

**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.**

Scan QR Code to Access Full Installation, Maintenance, and Testing Instructions on victaulic.com




## 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 1b) of the priming manifold assembly (Item 1) is closed.

**Step 4:**
Open the charge line ball valve (Item 1a) of the priming manifold assembly (Item 1). Allow water to flow through the auto drain tube.

**Step 5:**
Confirm that the solenoid valve (Item 2) is closed (de-energized).

**Step 6:**
Confirm that water is not flowing through the solenoid valve (Item 2).

**Step 7:**
Open the manual pull station valve (Item 3) to bleed off any air that is present, then close the manual pull station valve. Verify that the charge line pressure (Item 4) is equal to the supply pressure, and verify that the auto drain is set by pulling up on the auto drain sleeve (Item 1c) of the priming manifold assembly (Item 1).

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

**Step 9:**
Open the water supply main control valve (Item 6) 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 6) 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 (Item 6) | Open |
| Water Supply Main Drain Valve (Item 5) | Closed |
| System Main Drain Valve (Item 7) | Closed |

| Valve | Normal Operating Position |
|---|---|
| Charge Line Ball Valve of the Priming Manifold Assembly (Item 1a) | Open |
| Alarm Test Ball Valve of the Priming Manifold Assembly (Item 1b) | Closed |

## WATER FLOW ALARM TEST

Refer to NFPA 25, FM Datasheets, or any applicable local requirements to perform water flow alarm tests. The authority having jurisdiction in the area may require these inspections 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 1b) of the priming manifold assembly (Item 1). 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 1b) of the priming manifold assembly (Item 1) after verifying proper operation of all alarms.
6. Push in the ball drip plunger (Item 8a) on the alarm manifold assembly (Item 8) 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 8) is not leaking water or air.
9. 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.