

SERIES 769N FIRELOCK NXT™ DELUGE VALVE PNEUMATIC (DRY PILOT) RELEASE TRIM

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 the dry pilot piping is connected to the air manifold, as indicated on the trim drawing.

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 is closed.

Step 4:

Charge the dry pilot release system with air by turning on the compressor or by opening the fast-fill ball valve on the AMTA. Charge the dry pilot release system to 13 psi/90 kPa/0.9 Bar minimum.

Step 4a: When the system reaches approximately 10 psi/69 kPa/0.7 Bar, and no additional moisture is being released from the Auto Vent, pull up on the Auto Vent Sleeve of the Series 776 Low-Pressure Actuator. **NOTE:** The Auto Vent Screw should seal and remain in the set ("UP") position.

Step 4b: When system air pressure is established, close the fast-fill ball valve on the AMTA.

Step 4c: Open the slow-fill ball valve on the AMTA. **NOTE:** Failure to leave the slow-fill ball valve open may allow system pressure to drop, resulting in valve operation in the event of a system leak.

Step 4d: Open the charge line ball valve. Allow water to flow through the auto drain tube.

Step 4e: Pull up on the auto drain sleeve.

Step 5:

Open the manual pull station valve to bleed off any air that is present, then close the manual pull station valve. Verify that the charge line pressure is equal to the supply pressure, and verify that the auto drain is set by pulling up on the auto drain sleeve.

Step 6:

Open the water supply main drain valve.

Step 7:

Open the water supply main control valve slowly until water flows steadily from the open water supply main drain valve.

Step 8:

Close the water supply main drain valve when a steady flow of water occurs.

Step 9:

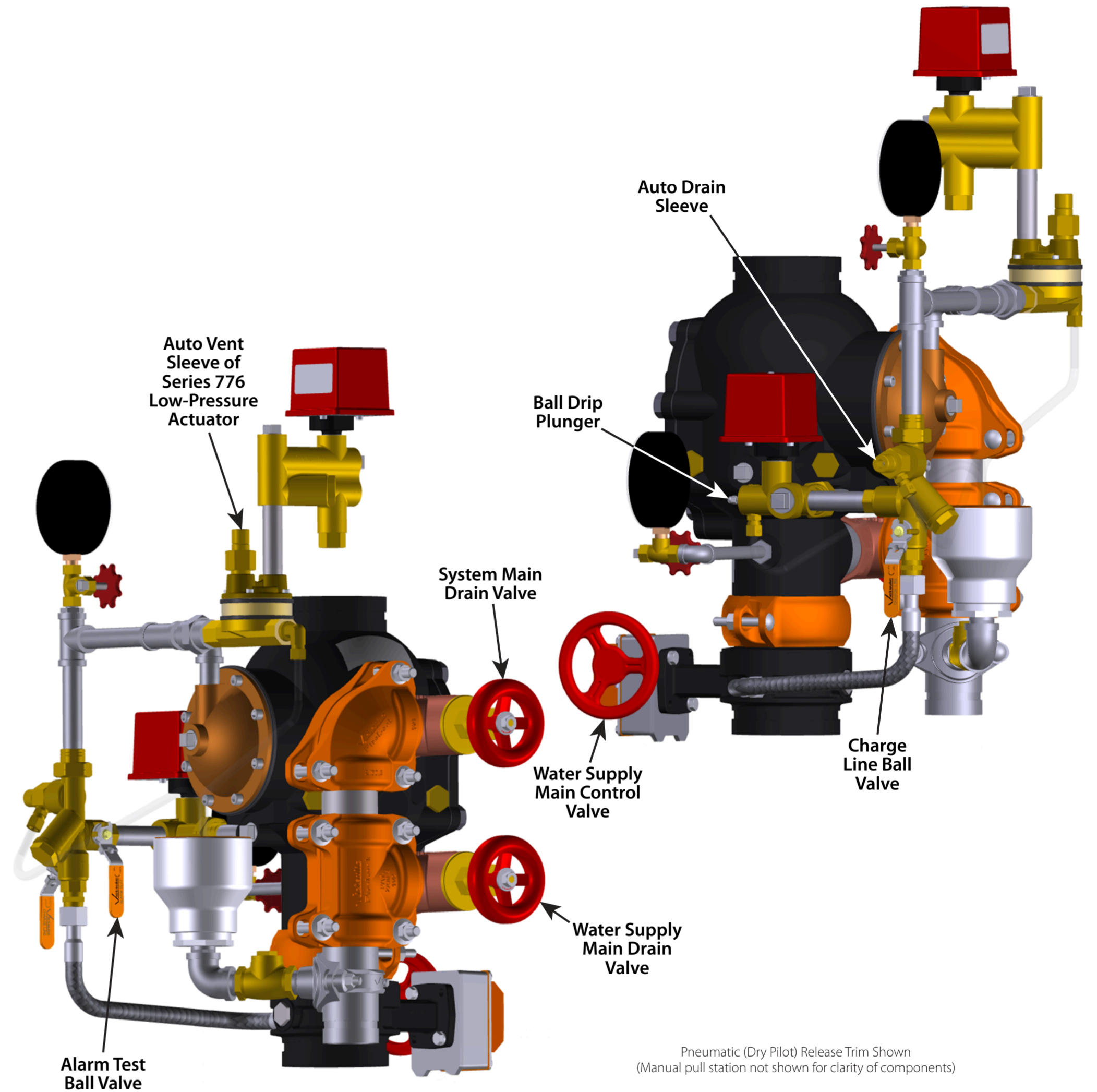
Open the water supply main control valve fully.

Step 10:

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
Alarm Test Ball Valve of the Priming Manifold Assembly	Closed
Slow-Fill Ball Valve of the Victaulic AMTA (if applicable)	Open
Fast-Fill Ball Valve of the Victaulic AMTA (if applicable)	Closed



Pneumatic (Dry Pilot) Release Trim Shown
(Manual pull station not shown for clarity of components)

REQUIRED 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 fully to flush the water supply of any contaminants.
3. Close the water supply main drain valve.
4. Open the alarm test ball valve. 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 after verifying proper operation of all alarms.
6. Push in the ball drip plunger on the alarm manifold assembly 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 is not leaking water or air.
9. Provide test results to the authority having jurisdiction, if required.