



## 1. Pre-Installation Preparation

- **Inspect the Equipment:** Check the valve and trim for shipping damage. Remove all plastic caps and packaging foam from the valve and valve trim. Ensure all copper tubing is connected and intact.
- **Environment:** Ensure the valve will be installed in a location where the temperature is maintained between 40°F and 140°F (4°C – 60°C) and protected from freezing.
- **Flush Piping:** Thoroughly flush the main water supply piping to remove debris before connecting the valve.

## 2. Valve Mounting and Orientation

- **Orientation:** Install the valve in a vertical position.
  - **6 INCH VALVE ONLY, See Figure 1 on Page 2:** Install manufacturer supplied Butterfly Valve with handle on RIGHT SIDE. Use manufacturer supplied coupling to secure Preaction valve onto the Butterfly Valve.
- **Coupling Connections:** Ensure all couplings are tightened evenly on both sides.
- **Clearance:** Ensure there is sufficient room to operate all drain valves and that all gauges and switches are clearly visible and accessible.
- **6 INCH VALVE ONLY: Refer to Figures 2 & 3 on Page 2:**
  - **Priming Line:** Install the 13 inch stainless steel hose from the Butterfly Valve to the Priming Line ball valve.
  - **Pull Station Drain Line:** Install the 27 inch stainless steel hose from the Pull Station drain connection to the drain trim connection.

## 3. Trim and Accessory Connections

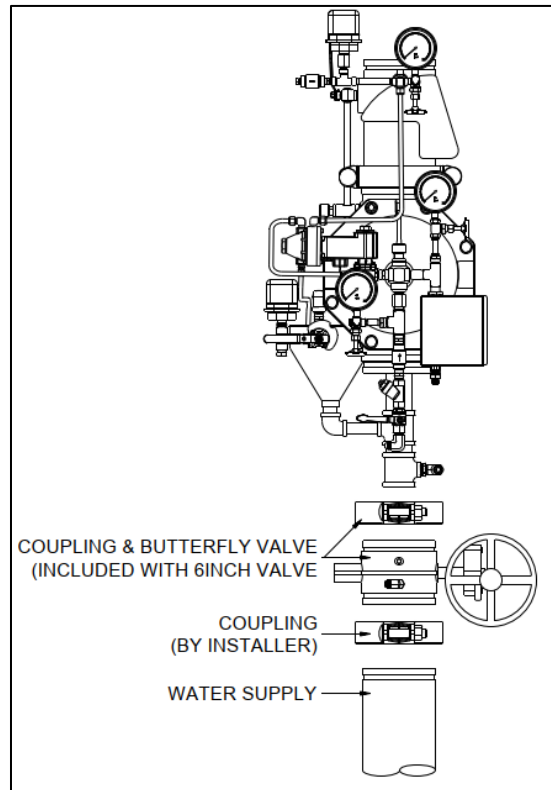
- **Switches and Gauges:** Install electric raceway to the air pressure switch and waterflow switch as required by the local jurisdiction. Ensure all gauge isolation valves are fully open.
- **Air Supply / AMD:** Connect compressed Air/Nitrogen source to Air Inlet on the Riser Check Valve. Install an Air Maintenance Device (AMD) according to the UNITED Fire Systems installation drawings.
- **Drain Lines:** Connect the main drain to the required drainage location per NFPA standards.



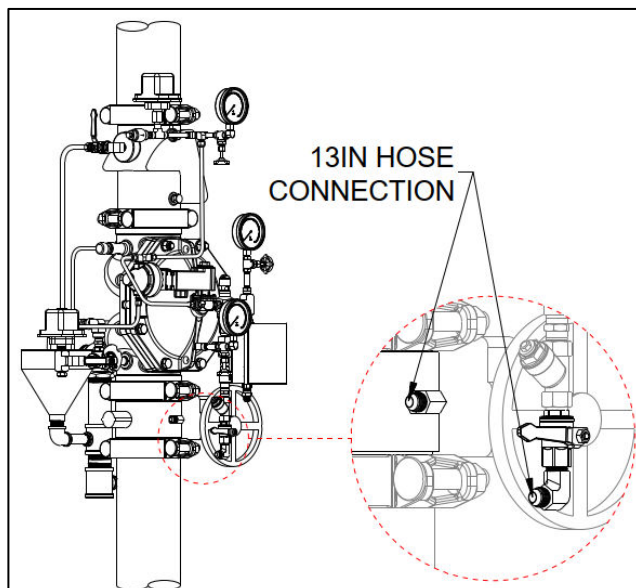
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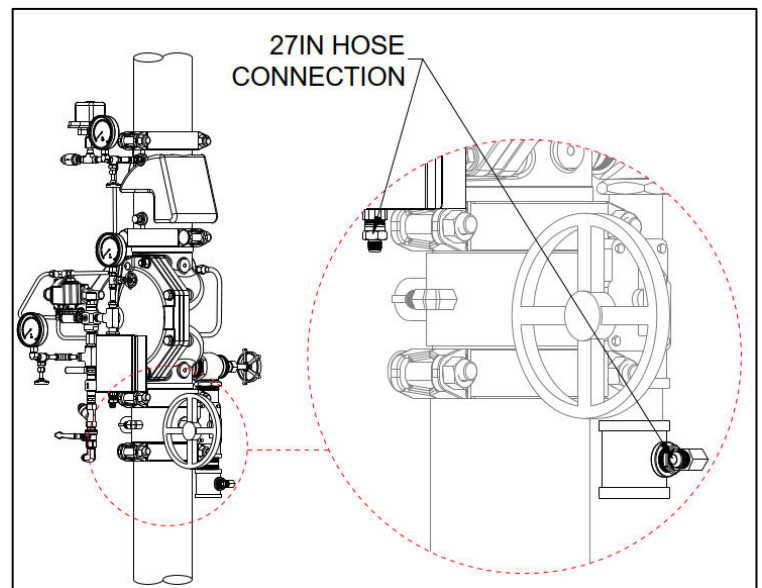
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**FIGURE 1: 6 INCH VALVE INSTALLATION**



**FIGURE 2: PRIMING LINE CONNECTION**



**FIGURE 3: PULL STATION DRAIN LINE CONNECTION**

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