

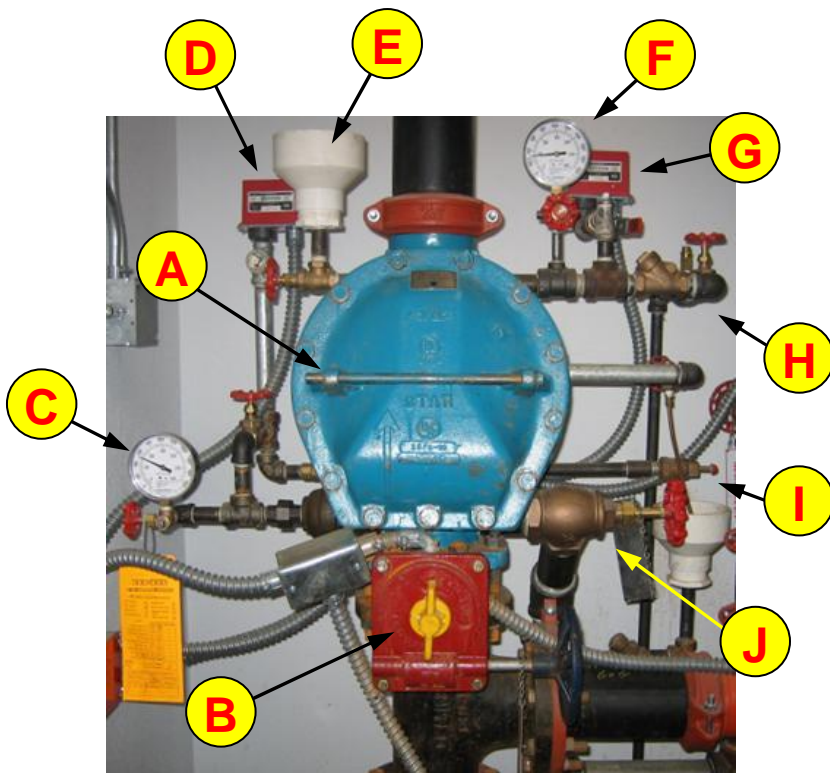


QUICK RESPONSE

*Saving life and property through effective licensing, plan review,
and inspection of fire protection systems.*

January 2010

DRY PIPE VALVE - TRIM



- A = Dry Pipe Valve
- B = System Control Valve
- C = Water Supply Pressure Gauge
- D = Waterflow Pressure Switch
- E = Priming Cup
- F = Air Supply Pressure Gauge
- G = Low Air Pressure Switch
- H = Air Supply from Air Compressor
- I = Automatic Drain Valve
- J = Main Drain

A **dry pipe valve** is utilized on fire sprinkler systems in which there is a potential for the sprinkler system to be exposed to freezing conditions. Located in a heated space, the **dry pipe valve** prevents water from entering the pipe until a fire causes one or more sprinklers to operate. Once this happens, the air escapes and the **dry pipe valve** releases. Water then enters the pipe, flowing through open sprinklers onto the fire (refer to the December 2009 edition of the **Quick Response** newsletter).

To operate properly, a **dry pipe valve** requires a complex arrangement of piping, valves and switches. These components are known as the **dry pipe valve "trim"**. The additional control equipment and air pressure supply components increase the system complexity. Proper maintenance of the **dry pipe valve** and **trim** is essential to insure proper operation of the system.