

# Pipeline Accessories

## Freeze Protection Valve

WFPV

### Stainless Steel

|                                |                 |
|--------------------------------|-----------------|
| Model Code                     | WFPV-12-N       |
| Sizes                          | 1/2"            |
| Connections                    | NPT             |
| Body Material                  | Stainless Steel |
| PMO Max. Operating Pressure    | 200 PSIG        |
| TMO Max. Operating Temperature | 300°F           |

#### Typical Applications

The **WFPV** is used for freeze protection on pipes, valves, fittings, pumps, condensate systems, safety showers, fire lines, spray nozzles, freeze sensitive equipment or as backup protection on steam tracing lines.

#### How It Works

A thermostatic element senses water temperature in the valve. If the temperature falls below 35°F, the valve will modulate open allowing water to drain from the system. The valve will remain open as long as the water flowing by the sensing element is less than 40°F. When the water temperature rises above 40°F, the valve will close.

#### Features

- Corrosion resistant stainless steel body
- Long service life
- Narrow temperature band
- System pressures will not affect opening temperature

#### Sample Specification

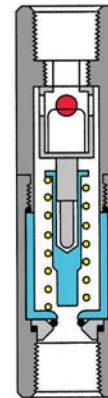
The freeze protection valve shall have a stainless steel body and be actuated by a thermostatic element that senses water temperature. The unit shall feature a ram-type plug for a tight and reliable shut-off.

#### Installation

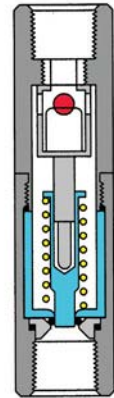
Unit should be installed in a vertical orientation with flow direction downward. For full details, see Installation and Maintenance Manual.

#### MATERIALS

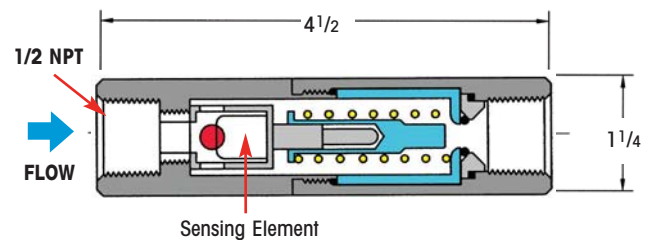
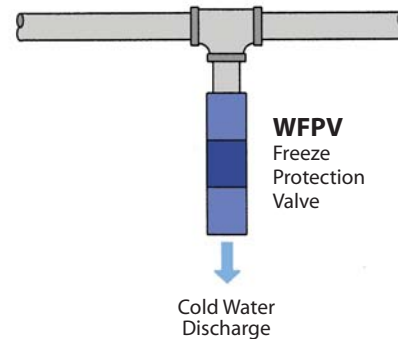
|                  |                      |
|------------------|----------------------|
| Body             | Stainless Steel, 303 |
| O-Ring           | EPDM                 |
| Plug             | Stainless Steel      |
| Spring           | Stainless Steel, 302 |
| Thermal Actuator | Stainless Steel      |



Valve  
OPEN  
(<40°F)



Valve  
CLOSED  
(≥40°F)



Weight: 0.9 lbs.

| CAPACITIES — Water (lbs/hr) |                   |
|-----------------------------|-------------------|
| Inlet Pressure (PSIG)       | Capacity (lbs/hr) |
| 50                          | 2475              |
| 75                          | 3031              |
| 100                         | 3500              |
| 125                         | 3913              |
| 150                         | 4287              |
| 175                         | 4630              |
| 200                         | 4950              |