

SPECIALTY PRODUCTS

WFPV

Freeze Protection Valve

Watson McDaniel reserves the right to change the designs and/or materials of its products without notice.
©2010 Watson McDaniel Company

Model	WFPV
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 40°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 actuated by a thermostatic element that senses water temperature. The unit shall feature a ram-type plug for reliable and tight shut-off.

INSTALLATION

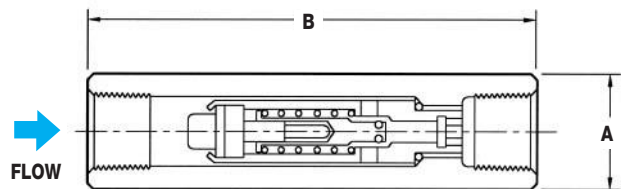
Unit should be installed in a vertical orientation with flow direction downward. For full details, see Installation and Maintenance Manual.

MATERIALS

Body	Stainless Steel, 303
O-Ring	EPDM
Plug	Brass, CDA-360
Spring	Stainless Steel, 302
Thermal Actuator	Brass, CDA-360

DIMENSIONS & WEIGHTS – inches / pounds

Size NPT	A	B	Weight (lbs)
1/2"	1 1/4	4 1/2	0.9



CAPACITIES – Water (lbs/hr)

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