

SPECIALTY PRODUCTS

WFPV

Freeze Protection Valve

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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

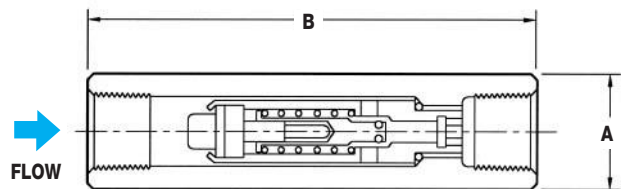
Unit should be installed in a vertical orientation with flow direction downward. For full details, see Installation and Maintenance Manual.

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

SPECIALTY PRODUCTS

WSPV

Scald Protection Valve

Model	WSPV
Sizes	1/2", 3/4"
Connections	NPT
Body Material	Stainless Steel
PMO Max. Operating Pressure	200 PSIG
TMO Max. Operating Temperature	300°F



TYPICAL APPLICATIONS

The **WSPV** is used to protect personnel from accidental scalding by over-heated water or other liquids. Installations such as eye-wash stations and safety showers can become over-heated by piping exposed to solar radiation or a heat exchanger malfunction

HOW IT WORKS

When water temperature rises above 95°F, the thermal actuator modulates the valve open. If the water exceeds 115°F, the valve will go to full open position in order to discharge the over-heated water. When the water temperature returns to 95°F, the thermal actuator modulates the valve to close.

FEATURES

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

SAMPLE SPECIFICATION

The scald protection valve shall have a stainless steel body and actuated by a thermal 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.

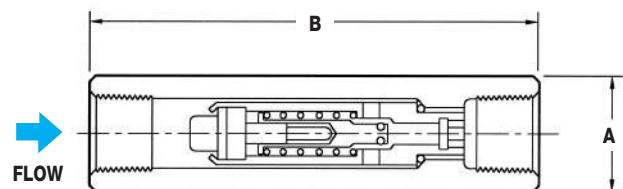
MATERIALS

Body	Stainless Steel, 303
Seat Seal	PTFE
Plug	Brass*, CDA-360
Spring	Stainless Steel, 302
Thermal Actuator	Brass*, CDA-360

* All stainless steel version available. Consult Factory.

DIMENSIONS & WEIGHTS – inches / pounds

Size NPT	A	B	Weight (lbs)
1/2"	1 1/4	4 1/2	0.9
3/4"	1 1/2	5 1/2	1.4



CAPACITIES – Water (lbs/hr)

Inlet Pressure (PSIG)	Capacity (lbs/hr)	
	1/2"	3/4"
50	5,300	7,070
75	6,495	8,660
100	7,500	10,000
125	8,385	11,180
150	9,180	12,240
200	10,600	14,140

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