

SPECIALTY PRODUCTS

WSPV

Scald Protection Valve

Revised 9/2004

Model	WSPV
Sizes	1/2", 3/4"
Connections	NPT
Body Material	Stainless Steel
PMO Max. Operating Pressure	150 PSIG
TMO Max. Operating Temperature	200 °F



TYPICAL APPLICATION

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 effect opening temperature

SAMPLE SPECIFICATION

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

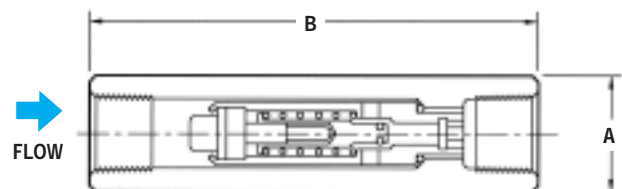
MATERIALS

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 – inches / pounds

Size NPT	A	B	Weight (lbs)
1/2"	1 1/8	4 1/2	0.75
3/4"	1 3/8	5 1/2	1.2



CAPACITIES – (lbs/hr)

Inlet Pressure (PSIG)	Capacity	
	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