

Stainless Steel

Model Code	1/2"	WSPV-12-N
	3/4"	WSPV-13-N
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 105°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

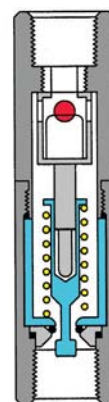
The scald protection valve shall have a stainless steel body and be actuated by a thermal element that senses water temperature. The unit shall feature a ram-type plug for reliable and tight shut-off.

Installation

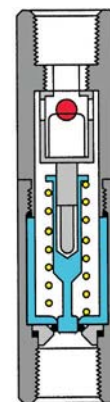
Unit should be installed in a vertical orientation with flow direction downward. For full details, see Installation and Maintenance Manual.

MATERIALS

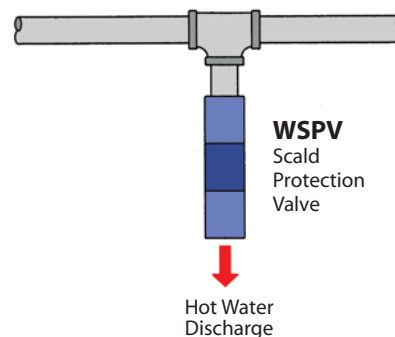
Body	Stainless Steel, 303
Seat Seal	PTFE
Plug	Stainless Steel
Spring	Stainless Steel, 302
Thermal Actuator	Stainless Steel



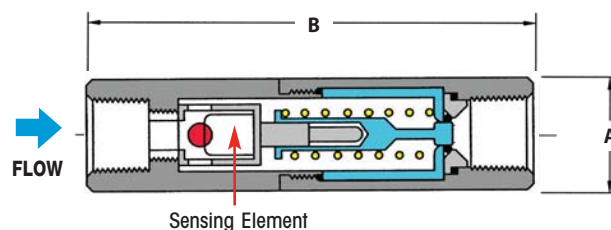
Valve
OPEN
(>95°F)



Valve
CLOSED
(≤95°F)



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