

Features

- ◆ **A Variety of Pressure/Vacuum Settings** – 3" water-column, 1 oz. and 8 oz. pressure settings and 8" water-column or 1/2 oz. vacuum settings are factory preset and tested
- ◆ **Reliable Service** – self-guided poppet assembly ensures consistent seating of the pressure/vacuum valve
- ◆ **Corrosion-Resistant Construction** – Duratuff® composite body assures long service life
- ◆ **Easy Installation** – 523V is available in 2" and 3" threaded versions or slip-on models that provide for attachment to the vent line with Allen-head screws and radial sealing O-ring



- ◆ **Complies with NFPA 30 Requirements** – for venting gasoline vapors upward
- ◆ **High Maximum Flow Rate** – 7000 SCFH at 2 psi pressure drop
- ◆ **40-Mesh Stainless-Steel Wire Screen** – helps prevent debris and insects from entering the tank-vent lines

OPW 523V Pressure Vacuum Vent

Pressure Vacuum Vents are installed on the top of vent pipes from underground or aboveground fuel-storage tanks. The vent-cap and internal wire screen are designed to protect the tank-vent lines against intrusion and blockage from water, debris or insects. A normally closed poppet in the valve opens at a predetermined pressure or vacuum setting to allow the tank to vent.

Conversion Table

Measurement Units		In H ₂ O (WC)		In Hg (Merc)	Bar
	=	Oz.	PSI		
Bar In. Hg (Mercury)	x	236.0	14.5	401.4	29.53
	x	7.843	0.49	13.6	0.034
In H ₂ O (WC)	x	0.578	0.04	0.074	0.002
	x	16.00	27.68	2.04	0.069
PSI Oz.	x	0.063	1.73	0.128	0.004
	x				

Ordering Specifications

Product #	Description	Identification Label Color	lb.	kg
523V-1100	2" 8 oz Pres., 1/2 oz. vac. thread-on	Red	1.65	.75
523V-1150	2" 8 oz Pres., 1/2 oz. vac. slip-on	Red	1.65	.75
523V-3100	3" 8 oz Pres., 1/2 oz. vac. thread-on	Red	3.2	1.45
523V-3150	3" 8 oz Pres., 1/2 oz. vac. slip-on	Red	3.2	1.45
523V-2200	2" 1 oz Pres., 1/2 oz. vac. thread-on	Silver	1.65	.75
523V-2250	2" 1 oz Pres., 1/2 oz. vac. slip-on	Silver	1.65	.75
523V-3200	3" 1 oz Pres., 1/2 oz. vac. thread-on	Silver	3.2	1.45
523V-2203	2" 3" WC Pres., 8" WC vac. thread-on	Yellow	1.65	.75
523V-2253	2" 3" WC Pres., 8" WC vac. slip-on	Yellow	1.65	.75
523V-3203	3" 3" WC Pres., 8" WC vac. thread-on	Yellow	3.2	1.45
523V-3253	3" 3" WC Pres., 8" WC vac. slip-on	Yellow	3.2	1.45

Replacement Parts

Part #	Description
H11432M	O-Ring for 2" Thread
H11456M	O-Ring for 3" Thread

523V Instruction Sheet
Order Number: **H11972M**

Materials

Body: Aluminum
O-Ring: Nitrile



OPW 523V Series Adaptor Bushings

The 523V Series Adaptor Bushings are designed to thread into the base of 2" threaded 523V vents. The adaptor bushings convert a 2" 523V to 3" threaded, 2" slip-on or 3" slip-on connection.

Ordering Specifications

Product #	Description	in.	mm	lb.	kg
523A-1003	3" Thread-On Adaptor for use with 523V Pressure / Vacuum Vents	2x3	51x76	.47	.213
523SA-1003	3" Slip-On Adaptor for use with 523V Pressure / Vacuum Vents	2x3	51x76	.63	.286
523SA-1002	2.5" Slip-On Adaptor for use with 523V Pressure / Vacuum Vents	2x2	51x51	.31	.141