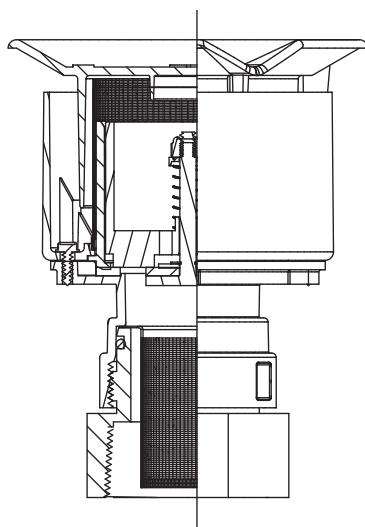


## OPW 623V Pressure Vacuum Vent

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.



## Materials

**Top/Body:** Polypropylene  
**Base:** Anodized aluminum  
**Poppet:** Anodized aluminum  
**Screen:** Stainless-steel mesh  
**Gasket:** Closed-cell foam



**623V**  
Vent Must Be Mounted Vertically

## Features

- ◆ **Pressure/Vacuum Setting** – 2.5" to 6" water-column pressure settings and -6" to -10" water-column vacuum settings are factory preset and tested
- ◆ **Reliable Service** – cycle tested to the equivalent of 80 years of service in the most severe environment without leakage problems
- ◆ **Corrosion-Resistant Construction** – a Duratuff® composite body ensures a long service life
- ◆ **Easy Installation** – the 623V is available in 2" and 3" threaded versions
- ◆ **Complies with NFPA 30 Requirements** – for venting gasoline vapors upward
- ◆ **Manifold Vent Pipes** – vent pipes may be manifolded to produce a single Pressure Vacuum Vent line. The 623V is designed to exceed California's requirements of a maximum vapor leak rate of 0.17 SCFH at 2.00 inches H<sub>2</sub>O
- ◆ **High Maximum Flow Rate** – 6450 SCFH at 2 psi (0.1 bar) pressure drop
- ◆ **Leak Rate** – multiple pressure vacuum vents may be installed on a single site. The 623V exceeds California standards with a leak rate of 0.05 SCFH or less at 2.00 inches H<sub>2</sub>O
- ◆ **Maintenance** – no tools required. A removable snap-fit top allows for easy maintenance (recommended yearly)
- ◆ **100-Mesh Stainless-Steel Wire Screens** – helps prevent debris and insects from entering the tank-vent lines. An added screen installed at the base prevents debris from intruding from the vent stack
- ◆ **Adaptor Bushing** – removable hex-threaded bushing designed for easy installation on NPT-threaded risers. Allows easy access to lower screen
- ◆ **ATEX Approved** – for flame-arrestor applications

## Ordering Specifications

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

Product #	Description	Identification Label Color	lb.	kg
623V-2203	2" Thread, 2.5" to 6" WC Pres., -6" to -10" WC Vac. Thread-On	Yellow	1.55	.70
623V-3203	3" Thread, 2.5" to 6" WC Pres., -6" to -10" WC Vac. Thread-On	Yellow	2.20	1.00

## Replacement Parts

Part #	Description
C05086M	Lower Screen
H14895M	Upper Screen
C05089	2" Threaded Base Adaptor
C05122	3" Threaded Base Adaptor

623V Instruction Sheet  
Order Number: H14898M

## Listings and Certifications



OPW 623V & 523V



ATEX Approved

Patent No.  
WO2004/036096AZ