

REQUIRED COMPONENT
Models YZ102, YZ103 & YZ104

OPTIONAL COMPONENT
Models YZ101A, YZ101B & YZ101C

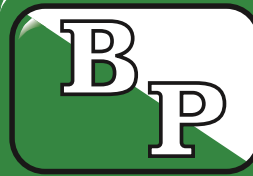
Product Description

The Model PV Purge Vent is a gravity operated enclosure pressure relieving device designed to relieve excess pressure inside a protected enclosure, while preventing any sparks or burning material from escaping into a classified location.

Model PV Purge Vents are designed for use exclusively with Best Purging Systems purge and pressurization products. Model PV is constructed of an aluminum cap, base and pipe fitting and features a stainless steel filter element and fasteners, to ensure maximum resistance against corrosive environments.

Model PV Purge Vents will begin to open when enclosure pressure exceeds approximately 0.8" w.c. and will fully open when enclosure pressure exceeds approximately 1.5".

All Model PV Purge Vents **MUST** be installed in a true vertical position for proper operation and are available in "T" (top mount) and "S" (side mount) configurations. The vents feature a conduit hub with sealing gasket to connect easily to a protected enclosure, or may be mounted remotely. - please contact factory for more details



Model PV Spark Arresting Purge Vent Assembly

Designed Exclusively for use with Best Purging
Systems Purge & Pressurization Products

Technical Bulletin PV TB-R0

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PV - 4 - T



PV - 3 - T



PV - 2 - T

Top Mount Style Purge Vents



PV - 4 - S



PV - 3 - S



PV - 2 - S

Side Mount Style Purge Vents

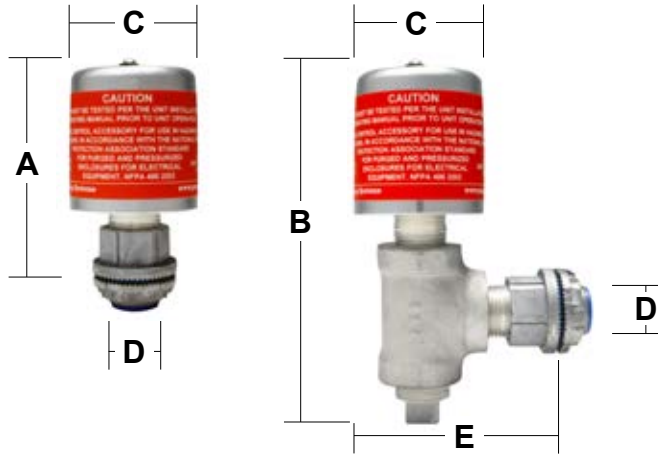


Best Purging Systems
Enclosure Purging & Pressurization Solutions

4725 Lawndale • La Marque, Texas 77568

Phone: 1.844.PURGE IT • 1.844.787.4348
www.purgeit.com • sales@purgeit.com

Purge Vent Dimensions



Vent Model	PV-2	PV-3	PV-4
Hub Size	3/4"	1 1/4"	1 1/2"
A - Top Mnt. Hgt.	4.5"	4.5"	6.0"
B - Side Mnt. Hgt.	6.5"	8"	10"
C - Cap Diameter	2.5"	3.5"	5.5"
D - Hub Knockout	1.125"	1.75"	2"
E - Overall Width	5.25"	5.5"	7.75"

Hub Size Indicates trade size. All dimensions in inches. All vents require 4" to 6" underside clearance for testing.

Technical Specifications

	<u>PV-2</u>	<u>PV-3</u>	<u>PV-4</u>
Top Mount Shipping Weight:	1 lb.	1.5 lbs.	2.5 lbs.
Side Mount Shipping Weight:	1 lb.	2.5 lbs.	4 lbs.
Mounting Hub Diameter:	3/4"	1 1/4"	1 1/2"
Purge Flow Rate:	4 scfm	12 scfm	30 scfm
Purge Enclosure Pressure:	*2.8" w.c.	3.2" w.c.	4.8" w.c.
Operating Temperature Range:	-20°F to 120°F		

* Enclosure Integrity determines actual Pressure

** 1/2" supply @ 100 psi, totally sealed test enclosure

Model Number Matrix

Typical Model Number:

PV - 3 - T - *

Series Model Number

Purge Vent Size

2 - 3/4"

3 - 1-1/4"

4 - 1-1/2"

Mounting Style

T - Top Mount (top of enclosure)

S - Side Mount (side of enclosure)

Optional Special Use Characters

This designator is utilized to denote specific customer requested modifications and special assemblies to include but not limited to extended or metric mounting hubs, special coatings, materials and lift off pressures.

Material Specifications

Vent Cap:	Machined 3003 Aluminum
Vent Base:	Machined 3003 Aluminum
Vent Cover:	Seamless Drawn Aluminum
Mounting Hub:	Copper-Free Aluminum
Spark Arresting Element:	80 micron 316 SS
Fastening Hardware:	316 Stainless Steel
Pipe Fittings:	Aluminum
Relief Ball:	Polypropylene
Vent Nameplate:	Lexan®

Lexan® is a registered trademark of the General Electric Company

Compatibility Chart

Purge Vent Models

PV-2-T & PV-2-S

PV-3-T & PV-3-T

PV-4-T & PV-4-T

Purge & Pressurization Units

YZ101A & YZ102

YZ101B & YZ103

YZ101C & YZ104

Specifications subject to change without notice. Warranty & liability statements available upon request.