

Features

- Top or side mount configurations
- Seamless cap
- Friction free valve assembly
- Spark arresting exhaust
- Can only be purchased in conjunction with corresponding Purge system or as a replacement

Function

The EPV (enclosure protection vents) are self-seating, gravity controlled, low pressure relief valve designed to ventilate excessive enclosure pressures created by the Rapid Exchange® process, or the failure of the enclosure pressure control devices.

Each vent features a seamless cap, a spark arresting (SA) style exhaust element, a friction-free valve assembly, a base, and a mounting hub. The mounting hub, along with associated pipe fittings, permits direct mounting through a round cutout on the top or side of a protected enclosure.

This device functions only in conjunction with Pepperl+Fuchs BebcO EPS® purge systems, to reduce the hazardous (classified) area rating within protected enclosure(s), in accordance with the NEC - NFPA 70, Article 500, NFPA 496, and ISA 12.4.

Assembly



BEBCO EPS®

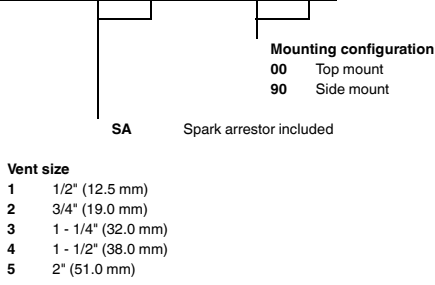
Connection

General specifications	
Series	EPV
Hazardous environment	gas or dust
Pneumatic parameters	
Protective gas supply	Instrument grade air or inert gas
Pressure requirement	2" ...5" wc (50.8 mm ... 127 mm wc)
Maximum pressure	5" ... 7" wc (127 mm ... 177 mm wc)
Breaking pressure	0.65" wc (16.5 mm wc)
Ambient conditions	
Ambient temperature	-29 ... 49 °C (-20.2 ... 120.2 °F)
Relative humidity	5 ... 95 %, noncondensing
Mechanical specifications	
Material	<p>Body:</p> <ul style="list-style-type: none"> cap - 3003 drawn aluminum base - A.S.E. 306, 308 cast aluminum mounting hub - zinc plated steel pipe fittings - schedule 40 3003 aluminum nameplates - Lexan® hardware - 316 SS <p>Exhaust elements:</p> <ul style="list-style-type: none"> spark arrestor - 316 SS element cap - 6061 aluminum <p>Valve assembly:</p> <ul style="list-style-type: none"> base - 14 Ga. machined 316 ss seat disc - 14 Ga. machined 316 SS hinge - Zytel® 8018, 14% glass fill pin & rivets - 316 SS disc adhesive - urethane epoxy
Mass	<p>EPV-1-SA-00: 3 lb (1.36 kg)</p> <p>EPV-1-SA-90: 4 lb (1.81 kg)</p> <p>EPV-2-SA-00: 3 lb (1.36 kg)</p> <p>EPV-2-SA-00: 4 lb (1.81 kg)</p> <p>EPV-3-SA-00: 4 lb (1.81 kg)</p> <p>EPV-3-SA-90: 5 lb (2.27 kg)</p> <p>EPV-4-SA-00: 7 lb (3.18 kg)</p> <p>EPV-4-SA-00: 9 lb (4.08 kg)</p> <p>EPV-5-SA-00: 10 lb (4.54 kg)</p> <p>EPV-5-SA-00: 12 lb (5.44 kg)</p>
Mounting	<p>-00: top mount</p> <p>-90: side mount</p>
General information	
Supplementary information	<p>EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com.</p> <p>Vents are only certified for use with Pepperl+Fuchs Bebeco EPS® purge and pressurization systems. See specific purge and pressurization system for associated certifications.</p>

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Type code/model number

E	P	V	-	1	-	S	A	-	0	0
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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