



EXPLOSION VENT TYPE VV-S

Description

The VV-S type vent is a composite membrane, high performance explosion vent. VV-S vents are lightweight and specifically designed for dynamic non-fragmenting operation during venting of explosions from industrial equipment. All applicable requirements of EN 13237, European Standard for Explosion Venting Devices (pending) and NFPA 68, Guide for Venting of Deflagrations, are met with this design. This explosion vent provides excellent service life for vacuum operating pressure, severe process cycling, high operating pressures.

→ Venting Efficiency:

VV-S type vents have a venting efficiency of 100% according to the requirements as defined by EN 13237.

→ Certified Burst Pressure:

The burst pressure, P_{stat} , is determined by destructive testing and certified as required by the applicable standards.

→ No Maintenance:

VV-S vents have no moving parts and are therefore maintenance-free, offering lowest cost of ownership.

→ Operating Ratio:

The ratio of maximum operating pressure to minimum burst pressure is defined as the operating ratio. VV-S vents have a 60% operating ratio, making them ideal for demanding applications.

→ Vacuum Rating:

Explosion vents are often used on equipment that operates under vacuum working conditions. VV-S vents can operate up to a level of vacuum suitable for most industrial applications, without restricting the explosion relief area.

→ Non-fragmenting:

VV-S vents have a controlled full opening and are of non-fragmenting design.

→ ATEX-compliant:

VV-S explosion vents are compliant to the requirements of EC-directive 94/9/EC



Specifications

Materials of Construction	Stainless Steel / Teflon / Stainless Steel
Maximum Operating Pressure	60% of the minimum burst pressure
Maximum Vacuum Rating	Up to 50 mbar vacuum for all sizes
Burst Pressure Tolerance	± 15 mbarg
Operating Temperature Range	-20°C up to 60°C

STANDARD DIMENSIONS

Relief Area m ²	Nom. Size (mm)	Nominal Burst Pressure mbarg (± 15% at 20°C)	Vacuum Rating mbarg
0.27	470x570	100	50
0.39	625x625	100	50
0.51	566x900	100	50
0.81	900 x 900	100	50
1.00	1000 x 1000	100	50

All above data are subject to change without notice. They must not be used unless confirmed in writing.

8.3490.00.0



Fike Europe B.v.b.a. • Toekomstlaan 52 • B2200 Herentals • Belgium
 Tel. +32 14 210031 • Fax +32 14 210743 • email fike-europe@fike.com • website: <http://www.fike.be>
 Fike United Kingdom • Maidstone • England
 Tel. (01622)677081 • Fax (01622)685737 • email sales@fike.co.uk • Website <http://www.fike.co.uk>