

# **EXPLOSION VENTS**

# Composite, high performance explosion vents Type VV-S

#### Description

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**FIKE EUROPE** 

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.



#### **Features and Benefits**

- Venting efficiency of 100% according to EN 13237
- Burst pressure, P<sub>stat</sub>, is determined by destructive testing as required by the applicable standards
- · No moving parts and maintenance-free
- 60% operating ratio
- Can operate up to a level of vacuum suitable for most industrial applications, without restricting the explosion relief area
- Non-fragmenting
- ATEX-compliant

## **Specifications**

Туре	<b>VV-S</b> 470 x 570 mm to 1000 x 1000 mm		
Sizes			
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 (m²)	Nominal Size (mm)	Nominal Burst Pressure (mbarg) (± 15% at 20°C)	Vacuum Rating (mbarg)
0.268	470 x 570	100	50
0.390	625 x 625	100	50
0.509	566 x 900	100	50
0.810	900 x 900	100	50
1.000	1000 x 1000	100	50

 CORONA
 CORONA SERWIS Sp. z o.o.

 Baildona 16/27, 40-115 Kalowice
 ul Baildona 16/27, 40-115 Kalowice

 S E R W I S
 ul Baildona 16/27, 40-115 Kalowice

 tel. +48 32 2255 53 53, travel 83 2720 20 88

 New 1 S
 ul Baildona 16/27, 40-115 Kalowice

 tel. +48 32 2255 53 53, travel 83 2720 20 88

 tel. +68 53 2255 53 53, travel 83 2720 20 88

 tel. +68 53 2255 53 53, travel 83 2720 20 88

 tel. +68 54 228 1-266

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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. +44 1 622 677081 • Fax +44 1 622 685737 • email sales@fike.co.uk • website: http://www.fike.co.uk