

DATA SHEET

S-SERIES PERFORMANCE VENT SINGLE ELEMENT DOMED EXPLOSION VENT PANEL

DESCRIPTION

The S-Series Performance Vent is a single layer explosion vent panel designed for near-atmospheric applications. This basic, economic vent panel is designed, manufactured and supported to the highest Fike standards. Its unique design guarantees best in class lifespan in pulsating applications and an outstanding leak resistance.

All applicable requirements of European Standard EN14797 Explosion Venting Devices and NFPA68 Guide for Venting of Deflagrations are met with this design.



APPROVALS:

 ATEX certified according EN14797

FEATURES AND BENEFITS

- Leak resistant
- Best in class cycle life proven through extensive testing
- Venting efficiency up to 100% according to EN14797
- Integrated hold down frame and gaskets
- No moving parts and essentially maintenance-free
- Non-fragmenting
- ATEX certified
- Optional rupture indicator Can be supplied fitted, or separate for retro-fitting

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SPECIFICATIONS

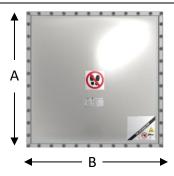
Туре	S-Series Performance Vent	
Shapes	Rectangular	
Materials of Construction	Wetted and non-wetted parts: 1.4301 (AISI type 304) Gaskets: EPDM sponge rubber with closed cell structure	
Max. Operating Pressure	50 mbarg at 22°C	
Max. Vacuum Rating	-50 mbarg at 22°C	
Burst Pressure / Tolerance	100 ± 25 mbarg at 22°C	
Ambient Temperature Range	-20°C up to 60°C	
Explosion Limits	$K_{st} \le 380 \text{ barg m.s}^{-1} - p_{red,max} \le 0.6 \text{ barg}$ $K_G \le 200 \text{ barg m.s}^{-1} - p_{red,max} \le 0.45 \text{ barg}$	

Туре	S-Series Rupture Indicator	
Function	NC contact with 2-wire flying lead (2m)	
ATEX certification II 2G Ex ib IIC T6 IID Ex ib IIIC T 80°C IP65		

STANDARD DIMENSIONS

Fike offers a range of S-Series Performance Vents in rectangular configurations with the following characteristics:

Nominal Size in mm	Relief Area in m ²	External Dimensions (AxB) in mm
470 x 570	0.289	570 x 670
625 x 625	0.416	735 x 735
566 x 900	0.539	666 x 1000
900 x 900	0.846	1000 x 1000
1000 x 1000	1.040	1100 x 1100



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