

XPLO-VENT FV-SA

SANITARY FLAMELESS VENTING (FV) PANEL

Sanitary explosion panels designed and certified for use inside the Xplo-Gard™ flameless vents



The FV-SA panels are designed specifically for hygienic applications in the food or pharmaceutical industries. The food-approved materials and clean finishing process provide an anti-bacterial barrier and help prevent contamination. All FV-SA panels meet FDA requirements.

The panels are suitable for applications such as spray dryers with a low vacuum or low working pressure (up to 50% of static burst pressure).

The standard burst pressure is 1.45 psi / 0.1 bar (max. 7 psi / 0.5 bar) at 22°C (72°F).

Size Range

- 24"x24" to 40"x40" / 610x610mm to 1020x1020 mm

Set Pressure Range

- 1.45 - 7 psi / 0.1 - 0.5 bar

Efficiency Ratio

- 80% - 100%

Common Applications

- Spray Dryers

Let us help you with all your pressure relief questions.

US office | Broken Arrow

+1 (918) 258 5626 | info@osecoelfab.com

UK office | North Shields

+44 (0)191 293 1234 | uksales@osecoelfab.com

osecoelfab.com

**REQUEST A QUOTE FOR
XPLO-GARD WITH THE
FV-SA PANEL**



QR code
goes
here

TECHNICAL SPECIFICATIONS



Size range	24" x 24" to 40" x 40" / 610 x 610mm to 1020 x 1020 mm
Set pressure range (Pstat @ 72°F / 22°C)	1.45 - 7 psi / 0.1 - 0.5 bar
Temperature range	14°F to 482°F / -10°C to 250°C
Efficiency Ratio	80% - 100%
Burst Tolerance	+/- 15%
Standard materials	Panel and integrated flange: 316L Stainless Steel Gasket: Food approved blue FKM gasket. Meets FDA and 1935/2004 CE standards.
Fragmentation	Non-fragmenting design
Vacuum Service	Max vacuum resistance: 0.7 psi / 50 mbar
Kst Max	500 bar m/s
Design Standards	Meets FDA, NFPA 68 and ATEX regulations

Certifications

ATEX Ex II GD:
INERIS 23ATEX0019X

ATEX Quality Assurance Notification:
ITS19ATEXQ05062

CE

FDA

Related Products

Flameless Vents

Xplo-Gard STAINLESS

General Dimensions



INTERNAL DIMENSIONS*		EXTERNAL DIMENSIONS*		MAX. RELIEF AREA*	
inches	mm	inches	mm	in ²	cm ²
7" x 19"	170 x 470	10" x 22"	250 x 550	121.7	785
11" x 18"	270 x 458	14" x 21"	350 x 538	189	1,220
12" x 20"	300 x 500	15" x 23"	380 x 580	229.4	1,480
12" x 24"	305 x 610	15" x 27"	386 x 690	286	1,845
14" x 26"	350 x 650	17" x 29"	430 x 730	349.5	2,255
19" x 23"	490 x 590	22" x 26"	570 x 670	444	2,865
24" x 24"	610 x 610	27" x 27"	690 x 690	572.7	3,695
18" x 35"	457 x 890	21" x 38"	537 x 970	626	4,040
23" x 36"	586 x 920	26" x 39"	666 x 1000	830.8	5,360
25" x 44"	645 x 1130	29" x 48"	735 x 1220	1,123	7,250
36" x 36"	920 x 920	39" x 39"	1000 x 1000	1,305	8,425
44" x 44"	1130 x 1130	48" x 48"	1220 x 1220	1,971	12,720

*The guiding dimensions are metric; conversions to inches are approximate.

Xplo-Vent FV-SA Dimensions for installation in Xplo-Gard



INTERNAL DIMENSIONS*		EXTERNAL DIMENSIONS*		MAX. RELIEF AREA*	
inches	mm	inches	mm	in ²	cm ²
24" x 24"	610 x 610	27" x 27"	690 x 690	572.7	3,695
36" x 36"	920 x 920	39" x 39"	1000 x 1000	1,305	8,425

*The guiding dimensions are metric; conversions to inches are approximate.

Xplo-Vent FV-SA Dimensions for standalone use

INTERNAL DIMENSIONS*		EXTERNAL DIMENSIONS*		MAX. RELIEF AREA*	
inches	mm	inches	mm	in ²	cm ²
24" x 24"	610 x 610	27" x 27"	690 x 690	572.7	3,695
23" x 36"	586 x 920	26" x 39"	666 x 1000	830.8	5,360
31" x 35"	782 x 882	35" x 35"	890 x 990	942.4	6,790
36" x 36"	920 x 920	39" x 39"	1000 x 1000	1,305	8,425
40" x 40"	1020 x 1020	43" x 43"	1100 x 1100	1,605	10,360

*The guiding dimensions are metric; conversions to inches are approximate.