

Flat Explosion Vent Panel VL

Vacuum resistance : 0.7 psi / 20" w.g.

APPLICATIONS

The **Flat Explosion Vent Panel VL** is suitable for all applications with low vacuum operating pressures. Typical applications include dust collectors, conveyors, cyclones, elevators, and silos.

The **Flat Explosion Vent Panel VL** is specifically designed to satisfy low pressure explosion venting requirements. It is designed with an integral gasketed flange that covers the breaking points, ensuring strong mechanical durability. A wide variety of standard and custom sizes and bolt patterns are available.

Standard burst pressure is **1.45 psi / 0.1 bar**. Application specific burst pressures between **1.45 psi up to 7 psi** are available for special orders.



CERTIFICATIONS & STANDARDS

Ex II GD

EN 14491 - EN 14994 - EN 14797 - EN 1127.1

EU Certificate : INERIS 15ATEX0001X

NFPA 68 - NFPA 69 Compliant

EN 16447

Production quality assurance notification :
INERIS 08ATEXQ406



STANDARD FEATURES

- Single Flat Panel **304 stainless steel**
- Full frame **black EPDM gasket** -40°F +176°F (-40°C +80°C)
- Integral **304L stainless steel** flange

OPTIONAL FEATURES

- **Stainless steel 316L** construction
- Full frame **white silicone FDA gasket**
-76°F +392°F (-60°C +200 °C)
- High temperature **graphite gasket**
-328°F +932°F (-200°C +500°C)
- Integral **316L stainless steel** flange with gasket

ACCESSORIES FOR VL

- Burst Sensor
- Thermal insulation
- Weather protection
- Duct discharge compatible
- Vacuum safety grid

FLAT EXPLOSION VENT PANEL DIMENSIONS

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft²	m²
7 x 19	170 x 470	10 x 22	250 x 550	0.845	0.078
11 x 18	270 x 458	14 x 21	350 x 538	1.313	0.122
12 x 20	300 x 500	15 x 23	380 x 580	1.593	0.148
12 x 18	305 x 457	15 x 21	386 x 538	1.491	0.138
12 x 24	305 x 610	15 x 27	386 x 690	1.986	0.184
14 x 26	350 x 650	17 x 29	430 x 730	2.427	0.225
18 x 35	457 x 890	21 x 38	537 x 970	4.348	0.404
19 x 23	490 x 590	22 x 26	570 x 670	3.084	0.286
23 x 36	586 x 920	26 x 39	666 x 1000	5.769	0.536
24 x 24	610 x 610	27 x 27	690 x 690	3.977	0.369
24 x 36	610 x 920	27 x 39	690 x 1000	6.230	0.561
36 x 44	915 x 1118	39 x 47	996 x 1198	10.978	1.020
36 x 36	920 x 920	39 x 39	1000 x 1000	9.068	0.842
44 x 44	1130 x 1130	48 x 48	1220 x 1220	13.690	1.272

Sizes are accurate in mm and rounded to the closest whole number in inches

Other sizes available

ROUND DIMENSIONS

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft²	m²
8	Ø 200	11	Ø 268	0.334	0.031
10	Ø 250	13	Ø 341	0.517	0.048
12	Ø 300	15	Ø 390	0.748	0.069
14	Ø 350	17	Ø 424	1.001	0.093
16	Ø 400	19	Ø 473	1.324	0.123
18	Ø 450	21	Ø 545	1.701	0.158
20	Ø 500	23	Ø 574	2.083	0.193
24	Ø 610	27	Ø 676	3.003	0.279
28	Ø 700	31	Ø 790	4.122	0.383
30	Ø 762	33	Ø 842	4.736	0.440
31	Ø 800	35	Ø 880	5.381	0.500
36	Ø 914	39	Ø 990	7.065	0.656
39	Ø 990	42	Ø 1070	8.290	0.770

Sizes are accurate in mm and rounded to the closest whole number in inches

Other sizes available

Custom sizes and shapes available