

Domed Explosion Vent Panel VD

Vacuum resistance : 3 psi / 83" w.g.

APPLICATIONS

The **Domed Explosion Vent Panel VD** is specifically designed for high negative pressure applications and installations where high psi pulse cleaning mechanisms could cause metal fatigue over time. The dome design is optimal for Hi-Vac filter systems where explosion relief venting is required. Typical applications included dust collector filters, cyclones, and high pressure vessels.

The **Domed Explosion Vent Panel VD** is pressure tested and certified in compliance with a variety of test standards. It is ideal for **OEM** and retrofit applications. It is easy to install with premium gaskets and integral flanges.

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

Production quality assurance notification :

INERIS 08ATEXQ406



STANDARD FEATURES

- Single domed **304 stainless steel**
- Full frame Gasket, **black EPDM** rated -40 F+176 F (-40 C+80 C)
- **Integral 304L stainless steel** flange with gasket

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 VD

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

DOMED EXPLOSION VENT PANEL DIMENSIONS

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft ²	m ²
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	0.185
14 x 26	350 x 650	17 X 29	430 x 730	2.427	0.226
18 x 35	470 x 880	22 x 39	550 x 1000	4.595	0.413
19 x 23	490 x 590	22 X 26	570 x 670	3.084	0.287
23 x 36	586 x 920	26 X 39	666 x 1000	5.770	0.536
24 x 24	610 x 610	27 X 27	690 x 690	3.977	0.370
24 x 36	610 x 920	27 x 30	690 x 765	6,040	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	1.842

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.	ft ²	m ²
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