VIGILEX®
SAFETY PROTECTION By STIF

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Domed Explosion Vent Panel VD

Vacuum level: -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 high vacuum filter systems where explosion relief venting is required. Typical applications include 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 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
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 VD

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

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PRODUCT CODE: 51502

RECTANGULAR & SQUARE DIMENSIONS

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft²	m²
6x24	150x600	**9x27**	230x680	**0.953**	0.089
6x19	170x470	**10x22**	250x550	**0.845**	0.079
8x11	205x290	**11x15**	285x370	**0.624**	0.058
9x17	220x420	**12x20**	300x500	**0.980**	0.091
9x9	229x229	**12x12**	310x310	**0.554**	0.052
9x12	229x305	**12x15**	310x386	**0.743**	0.069
10x24	247x610	**13x27**	327x690	**1.604**	0.149
11x18	270x458	**14x21**	350x538	**1.313**	0.122
12x20	300x500	**15x23**	380x580	**1.593**	0.148
12x18	305x457	**15x21**	386x538	**1.496**	0.139
12x24	305x610	**15x28**	386x690	**1.991**	0.185
13x15	340x385	**16x18**	404x449	**1.345**	0.125
13x17	340x440	**16x20**	404x504	**1.539**	0.143
14x26	350x350	**17x29**	430x730	**2.433**	0.226
15x26	375x655	**18x29**	460x740	**2.637**	0.245
16x16	410x410	**19x19**	480x480	**1.787**	0.166

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft²	m²
20x28	457x890	**21x38**	537x970	**4.349**	0.404
18x24	470x610	**22x27**	550x690	**3.062**	0.285
19x19	490x490	**22x22**	570x570	**2.562**	0.238
19x23	490x590	**22x26**	570x670	**3.084**	0.287
21x26	525x668	**25x30**	630x765	**3.660**	0.340
23x36	586x920	**26x39**	666x1000	**5.769**	0.536
24x24	610x610	**27x27**	690x690	**3.977**	0.370
24x44	610x1118	**27x47**	690x1198	**7.303**	0.679
25x25	645x645	**29x29**	735x735	**4.445**	0.413
25x44	645x1130	**29x44**	735x1220	**7.804**	0.725
26x26	653x653	**29x29**	740x740	**4.585**	0.426
36x44	915x1118	**39x47**	996x1198	**10.979**	1.020
36x36	920x920	**39x39**	1000x1000	**9.069**	0.843
36x54	920x1380	**39x57**	1000x1460	**13.369**	1.242
39x39	980x980	**43x43**	1080x1080	**10.333**	0.960
40x40	1020x1020	**43x43**	1100x1100	**11.151**	1.036

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

Other sizes available
Subject to longer lead times

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 600	**27**	Ø 676	**3.003**	0.279
28	Ø 700	**31**	Ø 790	**4.122**	0.383
30	Ø 750	**33**	Ø 842	**4.736**	0.440
31	Ø 800	**35**	Ø 880	**5.381**	0.500
36	Ø 900	**39**	Ø 990	**7.065**	0.656
39	Ø 980	**42**	Ø 1070	**8.290**	0.770
47	Ø 1200	**51**	Ø 1290	**12.665**	1.177

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

Other sizes available
Custom sizes and shapes available
Subject to longer lead times

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