

Domed Explosion Panels EV-VD Vacuum resistance : 3 psi / 83" w.g.

APPLICATIONS

EcoMAXX®/VigilEX EV-VD explosion relief panels are 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.

EcoMAXX®/VigilEX EV-VD explosion panels are pressure tested and certified in compliance with a variety of test standards. EV-VD panels are ideal for OEM and retrofit applications. They are 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

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 EV-VD

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

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PRODUCT CODE: 51502

DIMENSIONS

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft ²	m ²
6 x 24	150 x 600	9 X 27	230 x 680	0.953	0.088
* 7 x 19	170 x 470	10 x 22	250 x 550	0.845	0.078
8 x 11	205 x 290	11 X 15	285 x 370	0.624	0.058
9 x 17	220 x 420	12 X 20	300 x 500	0.979	0.091
9 x 9	229 x 229	12 X 12	310 x 310	0.554	0.051
9 x 12	229 x 305	12 X 15	310 x 386	0.743	0.069
10 x 24	247 x 610	13 X 27	327 x 690	1.598	0.148
* 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
13 x 15	340 x 385	16 X 18	404 x 449	1.345	0.125
13 x 17	340 x 440	16 X 20	404 x 504	1.539	0.143
* 14 x 26	350 x 650	17 X 29	430 x 730	2.427	0.226
15 x 26	375 x 655	18 X 29	460 x 740	2.632	0.244
16 x 16	410 x 410	19 X 19	480 x 480	1.787	0.166
20 x 28	457 x 890	21 X 38	537 x 970	4.348	0.404

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft ²	m ²
18 x 24	470 x 610	22 X 27	550 x 690	3.062	0.284
18 x 35	470 x 880	22 x 39	550 x 1000	4.595	0.413
19 x 19	490 x 490	22 X 22	570 x 570	2.562	0.238
* 19 x 23	490 x 590	22 X 26	570 x 670	3.084	0.287
21 x 26	525 x 668	25 X 30	630 x 765	3.659	0.340
* 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
24 x 44	610 x 1118	27 X 47	690 x 1198	7.303	0.678
25 x 25	645 x 645	29 X 29	735 x 735	4.445	0.413
25 x 44	645 x 1130	29 X 48	735 x 1220	12.547	0.413
26 x 26	653 x 653	29 X 29	740 x 740	4.585	0.426
* 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
36 x 54	920 x 1380	39 X 57	1000 x 1460	13.368	1.242
39 x 39	980 x 980	43 X 43	1080 x 1080	10.332	1.960
40 x 40	1020 x 1020	43 X 43	1100 x 1100	11.150	1.036

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

* Sizes permanently in stock

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

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft ²	m ²
* 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

* Sizes permanently in stock

Other sizes available

Custom sizes and shapes available