

Flat Explosion Panels EV-VL Vacuum resistance : 0.7 psi / 20" w.g.

APPLICATIONS

The EcoMAXX®/VIGILEX-VL is suitable for all applications with low vacuum or working pressure (**up to 50 % of static burst pressure**) such as elevators, conveyors, silos, cyclones.

The EcoMAXX®/VIGILEX-VL meets all of your safety requirements and it is ready to install with an integral flange which covers the breaking points of the panel thus ensuring strong mechanical durability. The attached wide gasket provides the EcoMAXX®/VIGILEX-VL with a perfect dustproof seal.

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

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 EV-VL

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

DIMENSIONS

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft ²	m ²
4 x 11	110 x 290	7 x 14	174 x 354	0.312	0.029
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
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 24	300 x 600	14 x 26	366 x 666	1.727	0.160
* 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
12 x 30	319 x 765	16 x 33	405 x 850	2.669	0.248
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	0.225
15 x 25	375 x 655	18 x 29	460 x 740	2.632	0.244
15 x 24	390 x 620	19 x 28	470 x 700	2.578	0.239
16 x 16	410 x 410	19 x 19	480 x 480	1.787	0.166
16 x 20	420 x 520	20 x 20	500 x 600	2.330	0.216
16 x 36	420 x 920	20 x 39	500 x 1000	4.128	0.383
* 18 x 35	457 x 890	21 x 38	537 x 970	4.348	0.404
18 x 24	470 x 610	22 x 27	550 x 690	3.062	0.284
19 x 27	480 x 680	23 x 31	580 x 780	3.509	0.326
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	0.286

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft ²	m ²
20 x 20	520 x 520	24 x 24	600 x 600	2.884	0.268
20 x 24	520 x 620	24 x 28	600 x 700	3.444	0.320
20 x 40	520 x 1020	24 x 39	600 x 1000	5.672	0.527
23 x 46	580 x 1180	26 x 50	670 x 1270	7.324	0.680
* 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
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	740 x 740	4.445	0.413
25 x 44	645 x 1130	29 x 48	735 x 1220	7.803	0.725
26 x 26	653 x 653	29 x 29	740 x 740	4.585	0.426
27 x 27	680 x 680	31 x 31	780 x 780	4.946	0.459
28 x 40	720 x 1020	31 x 43	800 x 1100	7.857	0.730
30 x 31	780 x 780	35 x 35	880 x 880	6.544	0.608
30 x 46	780 x 1180	35 x 50	880 x 1280	9.859	0.916
31 x 40	800 x 1000	35 x 43	890 x 1090	8.567	0.796
35 x 35	880 x 880	39 x 39	980 x 980	8.287	0.770
* 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
39 x 39	980 x 980	43 x 43	1080 x 1080	10.332	0.960
40 x 40	1000 x 1000	42 x 42	1056 x 1056	10.418	0.968
40 x 40	1020 x 1020	43 x 43	1100 x 1100	11.150	1.036
42 x 42	1080 x 1080	46 x 46	1180 x 1180	12.485	1.160
* 44 x 44	1130 x 1130	48 x 48	1220 x 1220	13.690	1.272
46 x 46	1180 x 1180	50 x 50	1280 x 1280	14.934	1.387
40 x 79	1000 x 2000	43 x 82	1080 x 2080	21.461	1.994

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

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

APPLICATIONS

EcoMAXX®/VIGILEX-VD explosion vent 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 panels are required. Typical applications include filters, cyclones and high pressure vessels.

EcoMAXX®/VIGILEX-VD explosion relief panels are pressure tested and certified in compliance with a variety of certified test standards. EV-VD panels are ideal for OEM and retrofit applications. They are easy to install with premium gaskets and integral flanges with superior sealing technology.

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

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

Domed Explosion Panels EV-VD-HV

Vacuum resistance:
3-9 psi / 83-250" w.g.

APPLICATIONS

EcoMAXX®/VIGILEX-VD-HV explosion vent panels are specifically engineered to be an ideal solution for applications where negative operating pressures exceed **3 psi** or operational metal fatigue is anticipated. Some high energy pulse-jet filter cleaning mechanisms, and systems operating under extreme high pressure, have been known to significantly shorten the life standard explosion panels.

EcoMAXX®/VIGILEX-VD-HV explosion relief panels are pressure tested and certified under a variety of certified test standards. **EV-VD-HV** panels are ideal for **OEM** and retrofit extreme duty applications. They are easy to install with premium gaskets and integral flanges with create superior sealing technology.

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

- Mechanically Reinforced single dome 304L stainless steel
- Full frame Gasket, **black EPDM** rated -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 EV-VD HV

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

DIMENSIONS : RECTANGULAR & SQUARE

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

INTERNAL DIMENSION		EXTERNAL DIMENSION		AREA	
Inches	mm.	Inches	mm.	ft ²	m ²
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
18 x 24	470 x 610	22 X 27	550 x 690	3.062	0.284
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 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

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

* Sizes permanently in stock

Other sizes available

DIMENSIONS : ROUND

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 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 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