



VIGILEX[®]VD-HV[®] VACUUM RESISTANCE: 200 - 600 MBAR

APPLICATIONS

The VIGILEX VD-HV is a strong domed panel, designed for use in applications where the operating pressure approaches the burst pressure, or where high vacuum pressure may exist. In the need for applications where the explosion vent is exposed to pulsating duty such as reverse jet cleaning systems on dust collectors with high vacuum.

With a large flange and gasket included, the one layer domed panel VIGILEX VD-HV meets all your safety issue to protect equipment and facilities. The standard burst pressure is **0.1 bar (max. 0.5 bar)** at 22°C (72°F).

STANDARD CHARACTERISTICS

- Design: Single flat sst 304 L
- Fully frame black EPDM gasket (-40°+80°C)
- Integrated stainless steel flange



**Fully frame
black EPDM gasket (-40°+80°C)**

OPTIONS

- Panel material stainless steel 316L
- Fully frame white silicone FDA gasket and 1935/2004 CE (-60°+200°C)
- High temperature graphite gasket (-200°+500°C)
- Integrated stainless steel 316L flange

CERTIFICATIONS

Ex II GD
EN14 491
EN14 994
EN14 797
EN11271



EU Certificate: *INERIS 15ATEX0001X*
Production quality assurance notification:
INERIS 08ATEXQ406

ACCESSORIES for VIGILEX VD-HV *(See pages 36-37)*

- Burst Sensor
- Weather protection vigilex WI
- Vacuum safety grid
- Duct discharge

Explosion vent panel **dimensions:** VIGILEX[®] VD-HV[®]

RECTANGULAR & SQUARE

INTERNAL DIMENSION		EXTERNAL DIMENSION	AREA
(mm)	Inches	(mm)	(cm ²)
150 x 600	6 x 24	230 x 680	885
170 x 470	6 x 19	250 x 550	785
205 x 290	8 x 11	285 x 370	580
220 x 420	9 x 17	300 x 500	910
229 x 229	9 x 9	310 x 310	515
229 x 305	9 x 12	310 x 386	690
247 x 610	10 x 24	327 x 690	1485
270 x 458	11 x 18	350 x 538	1220
300 x 500	12 x 20	380 x 580	1480
305 x 457	12 x 18	386 x 538	1385
305 x 610	12 x 24	386 x 690	1845
340 x 385	13 x 15	404 x 449	1250
340 x 440	13 x 17	404 x 504	1430
350 x 650	14 x 26	430 x 730	2255
375 x 655	15 x 26	460 x 740	2445
410 x 410	16 x 16	480 x 480	1660

INTERNAL DIMENSION		EXTERNAL DIMENSION	AREA
(mm)	Inches	(mm)	(cm ²)
457 x 890	20 x 28	537 x 970	4040
470 x 610	18 x 24	550 x 690	2845
490 x 490	19 x 19	570 x 570	2380
490 x 590	19 x 23	570 x 670	2865
525 x 668	21 x 26	630 x 765	3400
586 x 920	23 x 36	666 x 1000	5360
610 x 610	24 x 24	690 x 690	3695
610 x 1118	24 x 44	690 x 1198	6785
645 x 645	25 x 25	735 x 735	4130
645 x 1130	25 x 44	735 x 1220	7250
653 x 653	26 x 26	740 x 740	4260
915 x 1118	36 x 44	996 x 1198	10200
920 x 920	36 x 36	1000 x 1000	8425
920 x 1380	36 x 54	1000 x 1460	12420
980 x 980	39 x 39	1080 x 1080	9600
1020 x 1020	40 x 40	1100 x 1100	10360

Other sizes available

ROUND

INTERNAL DIMENSION		EXTERNAL DIMENSION	AREA
(mm)	Inches	(mm)	(cm ²)
Ø 200	8	Ø 268	310
Ø 250	10	Ø 341	480
Ø 300	12	Ø 390	695
Ø 350	14	Ø 424	930
Ø 400	16	Ø 473	1230
Ø 450	18	Ø 545	1580
Ø 500	20	Ø 574	1935

INTERNAL DIMENSION		EXTERNAL DIMENSION	AREA
(mm)	Inches	(mm)	(cm ²)
Ø 600	24	Ø 676	2790
Ø 700	28	Ø 790	3830
Ø 750	30	Ø 842	4400
Ø 800	31	Ø 880	5000
Ø 900	36	Ø 980	6280
Ø 980	39	Ø 1070	7510
Ø 1200	47	Ø 1290	11766

Other sizes available

TECHNICAL INFORMATION

STIF MODEL	DESIGN	Pstat @ 22 °C	EFFICIENCY RATIO	MAX VACUUM	KST MAX
VD	Single domed Integrated frame	0,1 to 0,5 bar (±15%)	80 % -100 %	200 mbar	500 bar.m/s