



## VIGILEX VL-S® VACUUM RESISTANCE : 50 MBAR

### APPLICATIONS

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

It is provided without flange and with a gasket covering the breaking points.

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
- Black EPDM gasket (-40°+80°C)

### OPTIONS

- Panel material stainless steel 316L
- Silicon FDA gasket (-60°+200°C)
- High temperature CARBON gasket (-200°+500°C)



**Black EPDM gasket**  
(-40°+80°C)

Available from:

**FILQUIP Pty Limited**

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### CERTIFICATIONS

Ex II GD

EN 14491

EN 14994

EN 14797

EN 1127.1

EU Certificate: INERIS 15ATEX0001X

Production quality assurance notification :  
INERIS 08ATEXQ406

### ACCESSORIES for VIGILEX VL-S (See page 24)

- Burst Sensor
- Thermal insulation vigilex TI
- Weather protection vigilex WI
- Discharge duct
- Vacuum safety grid

## Explosion vent panel dimensions: **VIGILEX VL-S**

### RECTANGULAR & SQUARE

INTERNAL DIMENSION		EXTERNAL DIMENSION	AREA
( mm )	Inches	( mm )	( cm <sup>2</sup> )
110 x 290	4 x 11	174 x 354	290
150 x 600	6 x 24	230 x 680	885
170 x 470	7 x 19	250 x 550	785
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
300 x 600	12 x 24	366 x 666	1605
305 x 457	12 x 18	386 x 538	1385
305 x 610	12 x 24	386 x 690	1845
319 x 765	12 x 30	405 x 850	2480
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 25	460 x 740	2445
390 x 620	15 x 24	470 x 700	2395
410 x 410	16 x 16	480 x 480	1660
420 x 520	16 x 20	500 x 600	2165
420 x 920	16 x 36	500 x 1000	3835
457 x 890	20 x 28	537 x 970	4040
470 x 610	18 x 24	550 x 690	2845
480 x 680	19 x 27	580 x 780	3260
490 x 490	19 x 19	570 x 570	2380
490 x 590	19 x 23	570 x 670	2865

INTERNAL DIMENSION		EXTERNAL DIMENSION	AREA
( mm )	Inches	( mm )	( cm <sup>2</sup> )
520 x 520	20 x 20	600 x 600	2680
520 x 620	20 x 24	600 x 700	3200
520 x 1020	20 x 40	600 x 1000	5270
580 x 1180	23 x 46	670 x 1270	6805
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 26	740 x 740	4130
645 x 1130	25 x 44	735 x 1220	7250
653 x 653	26 x 26	740 x 740	4260
680 x 680	27 x 27	780 x 780	4595
720 x 1020	28 x 40	800 x 1100	7300
780 x 780	30 x 31	880 x 880	6080
780 x 1180	30 x 46	880 x 1280	9160
800 x 1000	31 x 40	890 x 1090	7960
880 x 880	35 x 35	980 x 980	7700
915 x 1118	36 x 44	996 x 1198	10200
920 x 920	36 x 36	1000 x 1000	8425
980 x 980	39 x 39	1080 x 1080	9600
1000 x 1000	40 x 40	1056 x 1056	9680
1020 x 1020	40 x 40	1100 x 1100	10360
1080 x 1080	42 x 42	1180 x 1180	11600
1130 x 1130	44 x 44	1220 x 1220	12720
1180 x 1180	46 x 46	1280 x 1280	13875
1000 x 2000	40 x 79	1080 x 2080	19940

Other sizes available

### ROUND

INTERNAL DIMENSION		EXTERNAL DIMENSION	AREA
( mm )	Inches	( mm )	( cm <sup>2</sup> )
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 <sup>2</sup> )
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

Other sizes available

### TECHNICAL INFORMATION

STIF MODEL	DESIGN	Pstat@22 °C	EFFICIENCY RATIO	MAX VACUUM	KST MAX
VL-S	Single flat Integrated frame	0,1 to 0,5 bar (±15%)	80 % - 100 %	50 mbar	500 bar.m/s