



**VIGILEXVD®** VACUUM RESISTANCE: 200 MBAR

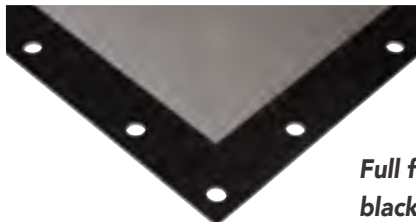
## APPLICATIONS

The VIGILEX VD is a domed panel, designed to protect plants with a vacuum and pulsating processes. The domed design is optimal for pneumatic operated vessels like filters and cyclones with strong vibration.

With an integral flange ready to be installed and gasket included, the VIGILEX VD meets all your safety issues with the most demand in your application. The attached wide gasket provides the VIGILEX VD a perfect dustproof seal. The standard burst pressure is 0.1 bar (max. 0.5 bar) at 22°C (72°F).

## STANDARD CHARACTERISTICS

- Design: single domed SST 304 L
- Full frame black EPDM gasket (-40°+80°C)
- Integrated stainless steel flange



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

## OPTIONS

- Panel material stainless steel 316L
- Full frame white silicon FDA gasket (-60°+200°C)
- High temperature graphite gasket (-200°+500°C)
- Integrated stainless steel 316L flange

Available from:

**FILQUIP Pty Limited**

5/126 Compton Rd, Underwood,  
Qld 4119 Australia  
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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 VD (See page 24)

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

# Explosion vent panel **dimensions: VIGILEX VD®**

## RECTANGULAR & SQUARE

| INTERNAL DIMENSION |         | EXTERNAL DIMENSION | AREA                |
|--------------------|---------|--------------------|---------------------|
| ( mm )             | Inches  | ( mm )             | ( cm <sup>2</sup> ) |
| 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 <sup>2</sup> ) |
| 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 26 | 735 x 735          | 4130                |
| 645 x 1130         | 25 x 44 | 735 x 1220         | 4130                |
| 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 <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                |

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## TECHNICAL INFORMATION

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