

CRVC

COMPOSITE RUPTURE VENT CROWNED

The CRVC is a heavy-duty, domed explosion vent designed to withstand high operating pressures and high-cycling processes.



OsecoElfab's CRVC vent is a rectangular, domed explosion vent. The heavy-duty design incorporates much thicker materials than standard explosion vents. The CRVC can withstand higher positive or negative system operating pressures than flat vents. Positive system pressure should be limited to 70% of set pressure (Pstat).

The precision in design, manufacturing techniques and testing assures a superior product that provides overpressure protection with minimal or no fragmentation. The CRVC is excellent for use in high cycling applications such as dust collectors.

For high temperature applications, we offer the CRVCI with internal insulation.

| | |
|------------------------------|--|
| Size | 12"x12" to 44"x69" |
| Burst Pressure | 1.3 - 10 psig |
| Operating Ratio | 70% |
| Performance Tolerance | +/- 0.5 psig over 2 psig +/- 0.25 psig at or below 2 psig |
| Common Applications | High Cycling Applications |

**Let us help you with all
your pressure relief questions.**

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**REQUEST A QUOTE FOR
THE CRVC / CRVCI**



TECHNICAL SPECIFICATIONS



| | |
|---------------------------|--|
| Size range | 12" x 12" to 44" x 69" (305 x 305mm to 1118 x 1753mm) |
| Burst pressure range | 1.3 - 10 psig (0.09 - 0.68 barg) |
| Standard materials | 316 Series Stainless Steel and Fluoropolymer |
| Max. Operating Ratio | 70% |
| Performance Tolerance | +/- 0.5 psig over 2 psig +/- 0.25 psig at or below 2 psig |
| Fragmentation | Non-fragmenting design |
| Vacuum Service | Vacuum capable |
| Cycling or static service | Cycling service |
| Design Standards | Meets NFPA 61 and NFPA 68 regulations |

Related Products

Vents

CRVCI

Gaskets

Frames

Sensors

SVT-03seco Safety
Cartridge

Accessories

Burst Pressure Ranges

CRVC Explosion Vent Min/Max Burst Pressure @ 72°F (psig) / 22°C (barg)



| SIZE | | RELIEF AREA Sq. inch (m²) | FLUOROPOLYMER SEAL | |
|-----------|-----------------|------------------------------|--------------------|--------------------|
| inches | mm | | MIN psig (barg) | MAX psig (barg) |
| 12" x 18" | 305mm x 457mm | 173.0 (0.11) | 2.3 (0.15) | 10.0 (0.68) |
| 12" x 24" | 305mm x 610mm | 236.0 (0.15) | 2.3 (0.15) | 10.0 (0.68) |
| 16" x 18" | 406mm x 457mm | 239.0 (0.15) | 2.3 (0.15) | 10.0 (0.68) |
| 18" x 30" | 457mm x 762mm | 470.0 (0.30) | 1.9 (0.13) | 10.0 (0.68) |
| 24" x 24" | 610mm x 610mm | 506.0 (0.32) | 1.9 (0.13) | 10.0 (0.68) |
| 18" x 35" | 457mm x 889mm | 552.0 (0.35) | 1.9 (0.13) | 10.0 (0.68) |
| 18" x 36" | 457mm x 914mm | 569.0 (0.36) | 1.9 (0.13) | 10.0 (0.68) |
| 24" x 30" | 610mm x 762mm | 641.0 (0.41) | 1.9 (0.13) | 10.0 (0.68) |
| 24" x 36" | 610mm x 914mm | 776.0 (0.50) | 1.8 (0.12) | 10.0 (0.68) |
| 24" x 48" | 610mm x 1219mm | 1046.0 (0.67) | 1.7 (0.11) | 9.1 (0.62) |
| 36" x 36" | 914mm x 914mm | 1190.0 (0.76) | 1.7 (0.11) | 8.6 (0.59) |
| 30" x 44" | 762mm x 1118mm | 1211.0 (0.78) | 1.7 (0.11) | 8.6 (0.59) |
| 30" x 60" | 914mm x 1118mm | 1466.0 (0.94) | 1.6 (0.11) | 7.9 (0.54) |
| 44" x 44" | 762mm x 1524mm | 1667.0 (1.07) | 1.6 (0.11) | 7.4 (0.51) |
| 36" x 60" | 1118mm x 1118mm | 1806.0 (1.16) | 1.5 (0.10) | 7.2 (0.49) |
| 36" x 60" | 914mm x 1524mm | 2018.0 (1.30) | 1.5 (0.10) | 7.0 (0.48) |
| 44" x 69" | 1118mm x 1753mm | 2868.0 (1.85) | 1.3 (0.09) | 6.1 (0.42) |