

CRP

COMPOSITE RUPTURE PANEL

The Oseco CRP Explosion Vent is a lightweight explosion vent with superior opening characteristics that provide the maximum relief area.

The "four-petal" opening gives you a complete opening and instantaneous relief for deflagrations that occur in milliseconds.

When used with the SVT-03 sensor it can be relied upon to provide the best method of explosion venting and protection with little, if any, fragmentation.

The CRP is available with an aluminum seal for high temperature applications up to 800° F.



The CRP provides a four-petal unrestricted opening for maximum relief during deflagrations

- Designed for use in:
 - power applications with electrical cabinets
 - pulverizers
 - plastic powder residue
 - processes where gas and dust accumulate
- Meets NFPA regulations
- Non-fragmenting design
- Vacuum capable when used with frame equipped with vacuum bars
- Materials of construction: 316 Stainless Steel, Fluoropolymer seal / Aluminium seal

Sizes

8"x8" to 44"x69"

Operating Ratio

50%

Set pressure range

0.2 psig (0.014) barg to 10 psig (0.689 barg)

Burst tolerance

± 0.5 psig above 2 psig and
±0.25 psig at or below 2 psig



CRP

Technical Specifications

CRP Min/Max Burst Pressure @ 72° F (psig) / 22° C (barg)

SIZE inches (mm)	RELIEF AREA in ² (mm ²)	Fluoropolymer seal		Aluminium seal	
		MIN psig (barg)	MAX psig (barg)	MIN psig (barg)	MAX psig (barg)
8x8 (203x203)	64.0 (0.04)	1.5 (0.10)	10.0 (0.68)	n/a	n/a
9x12 (229x305)	108.0 (0.06)	1.4 (0.09)	10.0 (0.68)	n/a	n/a
12x12 (305x305)	144.0 (0.09)	1.4 (0.09)	10.0 (0.68)	n/a	n/a
12x18 (305x457)	216.0 (0.13)	1.3 (0.09)	10.0 (0.68)	n/a	n/a
12x24 (305x 610)	288.0 (0.18)	1.3 (0.09)	10.0 (0.68)	n/a	n/a
16x18 (406x 457)	288.0 (0.18)	1.3 (0.09)	10.0 (0.68)	n/a	n/a
17.1x17.1 (435x435)	293.0 (0.18)	1.3 (0.09)	10.0 (0.68)	n/a	n/a
18x24 (457x610)	432.0 (0.27)	1.2 (0.08)	10.0 (0.68)	6.6 (0.45)	10.0 (0.68)
20x24 (508x610)	480.0 (0.30)	1.2 (0.08)	10.0 (0.68)	6.4 (0.44)	10.0 (0.68)
18x28 (457x711)	504.0 (0.32)	1.2 (0.08)	10.0 (0.68)	6.2 (0.42)	10.0 (0.68)
18x30 (457x762)	540.0 (0.34)	1.2 (0.08)	10.0 (0.68)	6.0 (0.41)	10.0 (0.68)
24x24 (610x610)	576.0 (0.37)	1.2 (0.08)	10.0 (0.68)	5.8 (0.40)	10.0 (0.68)
18x35 (457x889)	630.0 (0.40)	1.2 (0.08)	10.0 (0.68)	5.5 (0.37)	10.0 (0.68)
18x36 (457x914)	648.0 (0.41)	1.2 (0.08)	10.0 (0.68)	5.5 (0.37)	10.0 (0.68)
18x37.75 (457x959)	679.0 (0.43)	1.2 (0.08)	10.0 (0.68)	5.5 (0.37)	10.0 (0.68)
24x30 (610x762)	720.0 (0.46)	1.1 (0.07)	10.0 (0.68)	5.2 (0.35)	10.0 (0.68)
24x36 (610x914)	864.0 (0.55)	1.0 (0.06)	10.0 (0.68)	4.6 (0.31)	10.0 (0.68)
30x30 (762x762)	900.0 (0.58)	1.0 (0.06)	10.0 (0.68)	4.5 (0.31)	10.0 (0.68)
20.5x44 (521x1118)	902.0 (0.58)	1.0 (0.06)	10.0 (0.68)	4.5 (0.31)	10.0 (0.68)
20x48 (508x1219)	960.0 (0.61)	1.0 (0.06)	10.0 (0.68)	4.4 (0.30)	10.0 (0.68)
27x39 (686x991)	1053.0 (0.67)	1.0 (0.06)	9.6 (0.66)	4.1 (0.28)	9.6 (0.66)
24x44 (610x1118)	1056.0 (0.68)	1.0 (0.06)	9.6 (0.66)	4.1 (0.28)	9.6 (0.66)
25x43 (635x1092)	1075.0 (0.69)	1.0 (0.06)	9.5 (0.65)	4.0 (0.27)	9.5 (0.65)

Related Products

SENSORS

SVT-03 Burst sensor

HOLDERS

Gaskets
Frames

CRP Technical Specifications cont.

CRP Min/Max Burst Pressure @ 72° F (psig) / 22° C (barg)

SIZE inches ()	RELIEF AREA in ² (²)	Fluoropolymer seal		Aluminium seal	
		MIN psig (barg)	MAX psig (barg)	MIN psig (barg)	MAX psig (barg)
27x40 (686 x 1016)	1080.0 (0.69)	1.0 (0.06)	9.5 (0.65)	4.0 (0.27)	9.5 (0.65)
30x36 (762 x 914)	1080.0 (0.69)	1.0 (0.06)	9.1 (0.62)	4.0 (0.27)	9.5 (0.65)
24x48 (610 x 1219)	1152.0 (0.74)	0.9 (0.06)	9.1 (0.62)	3.8 (0.26)	9.1 (0.62)
27x43 (686 x 1092)	1161.0 (0.74)	0.9 (0.06)	9.1 (0.62)	3.8 (0.26)	9.1 (0.62)
25x47 (635 x 1194)	1175.0 (0.75)	0.9 (0.06)	9.1 (0.62)	3.8 (0.26)	9.1 (0.62)
25x49 (635 x 1245)	1225.0 (0.79)	0.9 (0.06)	9.1 (0.62)	3.8 (0.26)	9.1 (0.62)
36x36 (914 x 914)	1296.0 (0.83)	0.8 (0.05)	8.6 (0.59)	3.7 (0.25)	8.6 (0.59)
30x44 (762 x 1118)	1320.0 (0.85)	0.8 (0.05)	8.6 (0.59)	3.7 (0.25)	8.6 (0.59)
27x52 (686 x 1321)	1404.0 (0.90)	0.7 (0.04)	8.4 (0.57)	3.5 (0.24)	8.4 (0.57)
30x48 (762 x 1219)	1440.0 (0.92)	0.7 (0.04)	8.4 (0.57)	3.5 (0.24)	8.4 (0.57)
38x38 (965 x 965)	1440.0 (0.92)	0.7 (0.04)	8.4 (0.57)	3.5 (0.24)	8.4 (0.57)
27x58 (686 x 1473)	1566.0 (1.01)	0.7 (0.04)	8.2 (0.56)	3.5 (0.24)	8.2 (0.56)
27.5x57.1 (698 x 1450)	1568.0 (1.01)	0.7 (0.04)	7.9 (0.54)	3.4 (0.23)	7.9 (0.54)
36x44 (914 x 1118)	1584.0 (1.02)	0.7 (0.04)	7.9 (0.54)	3.4 (0.23)	7.9 (0.54)
25x66 (635 x 1676)	1650.0 (1.06)	0.6 (0.04)	7.8 (0.53)	3.3 (0.22)	7.8 (0.53)
27x66 (686 x 1676)	1782.0 (1.14)	0.5 (0.03)	7.4 (0.51)	3.2 (0.22)	7.4 (0.51)
42x44 (1067 x 1118)	1848.0 (1.19)	0.5 (0.03)	7.4 (0.51)	3.1 (0.21)	7.4 (0.51)
44x44 (1118x1118)	1936.0 (1.24)	0.5 (0.03)	7.2 (0.49)	3.1 (0.21)	7.2 (0.49)
36x60 (914x1524)	2160.0 (1.39)	0.3 (0.02)	7.0 (0.48)	3.0 (0.20)	7.0 (0.48)
39x66.5 (990x1690)	2593.0 (1.67)	0.3 (0.02)	6.4 (0.44)	2.8 (0.19)	6.4 (0.44)
44x60 (1118x1524)	2640.0 (1.70)	0.3 (0.02)	6.4 (0.44)	2.8 (0.19)	6.4 (0.44)
42x65 (1067x1651)	2730.0 (1.76)	0.2 (0.01)	6.3 (0.43)	2.8 (0.19)	6.3 (0.43)
44x69 (1118x1753)	3036.0 (1.95)	0.2 (0.01)	6.1 (0.42)	2.7 (0.18)	6.1 (0.42)

Let us help you with all
your pressure relief questions.

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