

# CRP

RUPTURE PANEL

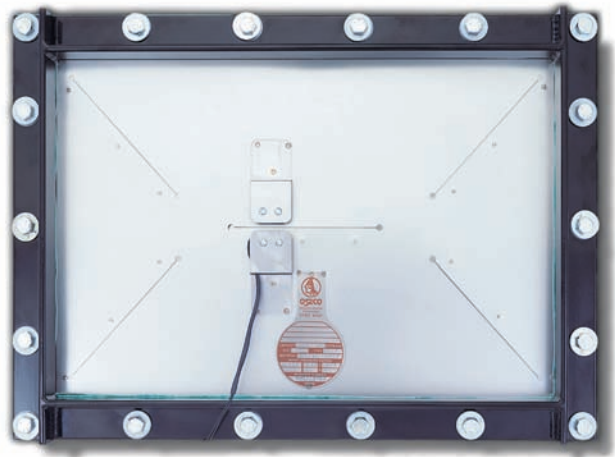
The Oseco CRP Rupture Panel is a lightweight rupture panel whose superior opening characteristics provide maximum relief area.

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

The CRP design allows for use in a variety of applications such as grain dust, plastic powder residue or dust accumulation from any process. The NFPA 68 and 61 guidelines were taken into consideration in the design and development of the CRP.

Since 1982, the CRP has been instrumental in the protection of personnel and equipment. The design allows for complete relief area and minimal, if any, fragmentation. When used with the SVT-03 sensor it can be relied upon to provide the best method of explosion venting and protection.

*Oseco's CRP provides explosion venting and protection.*



Recommended maximum ratio of system operating pressure to rated rupture pressure is:

- 50% for Flat Panels

Rupture Tolerances:

- $\pm 1/2$  PSI for Panels Rated Above 2 psig.
- $\pm 1/4$  PSI for Panels Rated 2 psig or Less.

ISO 9001

## CRP RUPTURE PANEL SPECIFICATIONS

SIZE INCHES (mm)	RELIEF AREA in <sup>2</sup> (m <sup>2</sup> )	RUPTURE PRESSURES AVAILABLE			
		FLUOROPOLYMER SEAL PSIG @ 72° F (bar)		ALUMINUM SEAL PSIG @ 72° F (bar)	
8" x 8" (203mm x 203mm)	64 (0.041)	1.5 (0.103)	10.0 (0.689)	N/A	N/A
9" x 12" (229mm x 305mm)	108 (0.069)	1.4 (0.097)	10.0 (0.689)	N/A	N/A
12" x 12" (305mm x 305mm)	144 (0.092)	1.3 (0.097)	10.0 (0.689)	N/A	N/A
12" x 18" (305mm x 457mm)	216 (0.139)	1.3 (0.090)	10.0 (0.689)	N/A	N/A
12" x 24" (305mm x 610mm)	288 (0.185)	1.3 (0.090)	10.0 (0.689)	N/A	N/A
16" x 18" (406mm x 457mm)	288 (0.185)	1.3 (0.090)	10.0 (0.689)	N/A	N/A
17"-1/8" x 17 1/8" (435mm x 435mm)	293 (0.189)	1.3 (0.090)	10.0 (0.689)	N/A	N/A
19" x 19" (500mm x 500mm)	387 (0.250)	1.25 (0.086)	10.0 (0.689)	6.6 (0.455)	10.0 (0.689)
18" x 24" (457mm x 610mm)	432 (0.278)	1.2 (0.083)	10.0 (0.689)	6.6 (0.455)	10.0 (0.689)
20" x 24" (508mm x 610mm)	480 (0.309)	1.2 (0.083)	10.0 (0.689)	6.4 (0.441)	10.0 (0.689)
18" x 28" (457mm x 711mm)	504 (0.325)	1.2 (0.083)	10.0 (0.689)	6.2 (0.427)	10.0 (0.689)
18" x 30" (457mm x 762mm)	540 (0.348)	1.2 (0.083)	10.0 (0.689)	6.0 (0.414)	10.0 (0.689)
24" x 24" (610mm x 610mm)	576 (0.371)	1.2 (0.083)	10.0 (0.689)	5.8 (0.400)	10.0 (0.689)
18" x 35" (457mm x 889mm)	630 (0.406)	1.2 (0.083)	10.0 (0.689)	5.5 (0.379)	10.0 (0.689)
18" x 36" (457mm x 914mm)	648 (0.418)	1.2 (0.083)	10.0 (0.689)	5.5 (0.379)	10.0 (0.689)
20.5" x 32.3" (520mm x 820mm)	660 (0.426)	1.2 (0.083)	10.0 (0.689)	5.5 (0.379)	10.0 (0.689)
18" x 37"-3/4" (457mm x 959mm)	679 (0.438)	1.2 (0.083)	10.0 (0.689)	5.5 (0.379)	10.0 (0.689)
24" x 30" (610mm x 762mm)	720 (0.464)	1.1 (0.076)	10.0 (0.689)	5.2 (0.356)	10.0 (0.689)
27" x 27.5" (686mm x 698mm)	742 (0.479)	1.1 (0.076)	10.0 (0.689)	5.2 (0.356)	10.0 (0.689)
27.6" x 27.6" (700mm x 700mm)	759 (0.490)	1.1 (0.076)	10.0 (0.689)	5.2 (0.356)	10.0 (0.689)
23.1" x 36.2" (586mm x 920mm)	835 (0.539)	1.1 (0.076)	10.0 (0.689)	5.2 (0.356)	10.0 (0.689)
24" x 36" (610mm x 914mm)	864 (0.557)	1.0 (0.069)	10.0 (0.689)	4.6 (0.317)	10.0 (0.689)

SIZE INCHES (mm)	RELIEF AREA in <sup>2</sup> (m <sup>2</sup> )	RUPTURE PRESSURES AVAILABLE			
		FLUOROPOLYMER SEAL PSIG @ 72° F (bar)		ALUMINUM SEAL PSIG @ 72° F (bar)	
30" x 30" (762mm x 762mm)	900 (0.580)	1.0 (0.069)	10.0 (0.689)	4.5 (0.310)	10.0 (0.689)
20.5" x 44" (521mm x 1118mm)	902 (0.581)	1.0 (0.069)	10.0 (0.689)	4.5 (0.310)	10.0 (0.689)
20" x 48" (508mm x 1219mm)	960 (0.619)	1.0 (0.069)	10.0 (0.689)	4.4 (0.303)	10.0 (0.689)
27" x 36" (686mm x 914mm)	972 (0.627)	1.0 (0.069)	10.0 (0.689)	4.3 (0.296)	10.0 (0.689)
25" x 40" (635mm x 1016mm)	1000 (0.645)	1.0 (0.069)	10.0 (0.689)	4.2 (0.290)	10.0 (0.689)
27" x 39" (686mm x 991mm)	1053 (0.679)	1.0 (0.069)	9.6 (0.662)	4.1 (0.283)	9.6 (0.662)
24" x 44" (610mm x 1118mm)	1056 (0.681)	1.0 (0.069)	9.6 (0.662)	4.1 (0.283)	9.6 (0.662)
25" x 43" (635mm x 1092mm)	1075 (0.693)	1.0 (0.069)	9.5 (0.655)	4.0 (0.276)	9.5 (0.655)
27" x 40" (686mm x 1016mm)	1080 (0.696)	1.0 (0.069)	9.5 (0.655)	4.0 (0.276)	9.5 (0.655)
30" x 36" (762mm x 914mm)	1080 (0.696)	1.0 (0.069)	9.5 (0.655)	4.0 (0.276)	9.5 (0.655)
25.5" x 43.1" (648mm x 1096mm)	1100 (0.710)	1.0 (0.069)	9.5 (0.655)	4.0 (0.276)	9.5 (0.655)
24" x 47" (610mm x 1194mm)	1128 (0.727)	1.0 (0.069)	9.2 (0.634)	3.9 (0.269)	9.2 (0.634)
24" x 48" (610mm x 1219mm)	1152 (0.743)	0.9 (0.062)	9.1 (0.627)	3.8 (0.262)	9.1 (0.627)
27" x 43" (686mm x 1092mm)	1161 (0.749)	0.9 (0.062)	9.1 (0.627)	3.8 (0.262)	9.1 (0.627)
25" x 47" (635mm x 1194mm)	1175 (0.758)	0.9 (0.062)	9.1 (0.627)	3.8 (0.262)	9.1 (0.627)
27.5" x 44.3" (698mm x 1126mm)	1218 (0.785)	0.9 (0.062)	9.1 (0.627)	3.8 (0.262)	9.1 (0.627)
25" x 49" (635mm x 1245mm)	1225 (0.790)	0.9 (0.062)	9.1 (0.627)	3.8 (0.262)	9.1 (0.627)
31.5" x 39.4" (800mm x 1000mm)	1240 (0.800)	0.9 (0.062)	9.1 (0.627)	3.8 (0.262)	9.1 (0.627)
36" x 36" (914mm x 914mm)	1296 (0.836)	0.8 (0.055)	8.6 (0.593)	3.7 (0.255)	8.6 (0.593)
30" x 44" (762mm x 1118mm)	1320 (0.851)	0.8 (0.055)	8.6 (0.593)	3.7 (0.255)	8.6 (0.593)
27" x 52" (686mm x 1321mm)	1404 (0.905)	0.7 (0.048)	8.4 (0.579)	3.5 (0.241)	8.4 (0.579)
27.5" x 51.6" (698mm x 1310mm)	1417 (0.914)	0.7 (0.048)	8.4 (0.579)	3.5 (0.241)	8.4 (0.579)

SIZE INCHES (mm)	RELIEF AREA in <sup>2</sup> (m <sup>2</sup> )	RUPTURE PRESSURES AVAILABLE			
		FLUOROPOLYMER SEAL PSIG @ 72° F (bar)		ALUMINUM SEAL PSIG @ 72° F (bar)	
30" x 48" (762mm x 1219mm)	1440 (0.929)	0.7 (0.048)	8.4 (0.579)	3.5 (0.241)	8.4 (0.579)
36" x 38" (965mm x 965mm)	1444 (0.931)	0.7 (0.048)	8.4 (0.579)	3.5 (0.241)	8.4 (0.579)
25.5" x 57.1" (648mm x 1450mm)	1456 (0.939)	0.7 (0.048)	8.4 (0.579)	3.5 (0.241)	8.4 (0.579)
31.5" x 47.2" (800mm x 1200mm)	1488 (0.960)	0.7 (0.048)	8.3 (0.572)	3.5 (0.241)	8.3 (0.572)
39.4" x 39.4" (1000mm x 1000mm)	1550 (1.000)	0.7 (0.048)	8.3 (0.572)	3.5 (0.241)	8.3 (0.572)
27" x 58" (686mm x 1473mm)	1566 (1.010)	0.7 (0.048)	8.2 (0.565)	3.5 (0.241)	8.2 (0.572)
27.5" x 57.1" (698mm x 1450mm)	1568 (1.012)	0.7 (0.048)	7.9 (0.545)	3.4 (0.234)	7.9 (0.545)
36" x 44" (914mm x 1118mm)	1584 (1.021)	0.7 (0.048)	7.9 (0.545)	3.4 (0.234)	7.9 (0.545)
25" x 66" (635mm x 1676mm)	1650 (1.064)	0.6 (0.041)	7.8 (0.538)	3.3 (0.228)	7.8 (0.538)
27" x 66" (686mm x 1676mm)	1782 (1.149)	0.5 (0.034)	7.4 (0.510)	3.2 (0.221)	7.4 (0.510)
36.2" x 49.4" (920mm x 1254mm)	1788 (1.153)	0.5 (0.034)	7.4 (0.510)	3.2 (0.221)	7.4 (0.510)
30" x 60" (762mm x 1524mm)	1800 (1.161)	0.5 (0.034)	7.4 (0.510)	3.2 (0.221)	7.4 (0.510)
42" x 44" (1067mm x 1118mm)	1848 (1.192)	0.5 (0.034)	7.4 (0.510)	3.1 (0.214)	7.4 (0.510)
44" x 44" (1118mm x 1118mm)	1936 (1.249)	0.5 (0.034)	7.2 (0.496)	3.1 (0.214)	7.2 (0.496)
44.5" x 44.5" (1130mm x 1130mm)	1980 (1.277)	0.5 (0.034)	7.1 (0.490)	3.0 (0.207)	7.1 (0.490)
36" x 60" (914mm x 1524mm)	2160 (1.393)	0.5 (0.034)	7.0 (0.483)	3.0 (0.207)	7.0 (0.483)
39" x 66.5" (990mm x 1690mm)	2593 (1.673)	0.3 (0.021)	6.4 (0.441)	2.8 (0.193)	6.4 (0.441)
44" x 60" (1118mm x 1524mm)	2640 (1.703)	0.3 (0.021)	6.4 (0.441)	2.8 (0.193)	6.4 (0.441)
42" x 65" (1067mm x 1651mm)	2730 (1.761)	0.3 (0.021)	6.3 (0.434)	2.8 (0.193)	6.3 (0.434)
44" x 69" (1118mm x 1753mm)	3036 (1.958)	0.2 (0.014)	6.1 (0.421)	2.7 (0.186)	6.1 (0.421)

*For Sizes Or Pressures Not Listed, Please Consult Factory*