

CRVC RUPTURE PANEL

Oseco's Model CRVC Rupture Panel is a domed, rectangular design that withstands higher positive or negative system operating pressures than flat panel designs. Panel frame vacuum support bars that may restrict flow are not required. The CRVC is well-suited for high-cycling service.

The side-hinged design guarantees excellent performance while providing a safe, dependable and economical solution for limiting the damaging effects characteristic of deflagrations.

The precision in design, manufacturing techniques and testing assures a superior product that provides over-pressure protection with minimal or no fragmentation.

Oseco's CRVC is well-suited for high-cycling service.



Insulated Crowned Rupture Panels (CRVCI) are available for special applications. Please consult factory.

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

- 70% for Crowned 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

CRVC RUPTURE PANEL SPECIFICATIONS

SIZE INCHES (mm)	RELIEF AREA in ² (m ²)	RUPTURE PRESSURES AVAILABLE			
		FLUOROPOLYMER SEAL PSIG @ 72° F (bar)		ALUMINUM SEAL PSIG @ 72° F (bar)	
8" x 8" (203mm x 203mm)	42 (0.035)	N/A	N/A	N/A	N/A
9" x 12" (229mm x 305mm)	78 (0.050)	2.4 (0.165)	10.0 (0.689)	N/A	N/A
12" x 12" (305mm x 305mm)	110 (0.071)	2.4 (0.165)	10.0 (0.689)	N/A	N/A
12" x 18" (305mm x 457mm)	173 (0.111)	2.3 (0.159)	10.0 (0.689)	N/A	N/A
12" x 24" (305mm x 610mm)	236 (0.152)	2.3 (0.159)	10.0 (0.689)	N/A	N/A
16" x 18" (406mm x 457mm)	239 (0.154)	2.3 (0.159)	10.0 (0.689)	7.8 (0.538)	10.0 (0.689)
17-1/8" x 17 1/8" (435mm x 435mm)	244 (0.157)	2.3 (0.159)	10.0 (0.689)	7.7 (0.531)	10.0 (0.689)
19" x 19" (500mm x 500mm)	330 (0.213)	2.25 (0.155)	10.0 (0.689)	7.5 (0.517)	10.0 (0.689)
18" x 24" (457mm x 610mm)	371 (0.239)	1.9 (0.131)	10.0 (0.689)	7.5 (0.517)	10.0 (0.689)
20" x 24" (508mm x 610mm)	416 (0.268)	1.9 (0.131)	10.0 (0.689)	7.5 (0.517)	10.0 (0.689)
18" x 28" (457mm x 711mm)	437 (0.282)	1.9 (0.131)	10.0 (0.689)	7.5 (0.517)	10.0 (0.689)
18" x 30" (457mm x 762mm)	470 (0.303)	1.9 (0.131)	10.0 (0.689)	7.0 (0.483)	10.0 (0.689)
24" x 24" (610mm x 610mm)	506 (0.326)	1.9 (0.131)	10.0 (0.689)	6.8 (0.469)	10.0 (0.689)
18" x 35" (457mm x 889mm)	552 (0.356)	1.9 (0.131)	10.0 (0.689)	6.5 (0.448)	10.0 (0.689)
18" x 36" (457mm x 914mm)	569 (0.367)	1.9 (0.131)	10.0 (0.689)	6.5 (0.448)	10.0 (0.689)
20.5" x 32.3" (520mm x 820mm)	584 (0.376)	1.9 (0.131)	10.0 (0.689)	6.5 (0.448)	10.0 (0.689)
18" x 37-3/4" (457mm x 959mm)	598 (0.385)	1.9 (0.131)	10.0 (0.689)	6.5 (0.448)	10.0 (0.689)
24" x 30" (610mm x 762mm)	641 (0.413)	1.9 (0.131)	10.0 (0.689)	6.2 (0.427)	10.0 (0.689)
27" x 27.5" (686mm x 698mm)	663 (0.427)	1.9 (0.131)	10.0 (0.689)	6.2 (0.427)	10.0 (0.689)
27.6" x 27.6" (700mm x 700mm)	679 (0.438)	1.8 (0.124)	10.0 (0.689)	6.2 (0.427)	10.0 (0.689)
23.1" x 36.2" (586mm x 920mm)	748 (0.483)	1.8 (0.124)	10.0 (0.689)	5.6 (0.386)	10.0 (0.689)
24" x 36" (610mm x 914mm)	776 (0.500)	1.8 (0.124)	10.0 (0.689)	5.6 (0.386)	10.0 (0.689)

SIZE INCHES (mm)	RELIEF AREA in ² (m ²)	RUPTURE PRESSURES AVAILABLE			
		FLUOROPOLYMER SEAL PSIG @ 72° F (bar)		ALUMINUM SEAL PSIG @ 72° F (bar)	
30" x 30" (762mm x 762mm)	812 (0.524)	1.8 (0.124)	10.0 (0.689)	5.5 (0.379)	10.0 (0.689)
20.5" x 44" (521mm x 1118mm)	807 (0.521)	1.8 (0.124)	10.0 (0.689)	5.5 (0.379)	10.0 (0.689)
20" x 48" (508mm x 1219mm)	860 (0.555)	1.8 (0.124)	10.0 (0.689)	5.4 (0.372)	10.0 (0.689)
27" x 36" (686mm x 914mm)	879 (0.567)	1.8 (0.124)	10.0 (0.689)	5.3 (0.365)	10.0 (0.689)
25" x 40" (635mm x 1016mm)	904 (0.583)	1.8 (0.124)	10.0 (0.689)	5.2 (0.359)	10.0 (0.689)
27" x 39" (686mm x 991mm)	956 (0.616)	1.8 (0.124)	9.6 (0.662)	5.1 (0.352)	9.6 (0.662)
24" x 44" (610mm x 1118mm)	956 (0.616)	1.8 (0.124)	9.6 (0.662)	5.1 (0.352)	9.6 (0.662)
25" x 43" (635mm x 1092mm)	975 (0.629)	1.8 (0.124)	9.5 (0.655)	5.0 (0.345)	9.5 (0.655)
27" x 40" (686mm x 1016mm)	981 (0.633)	1.8 (0.124)	9.5 (0.655)	5.0 (0.345)	9.5 (0.655)
30" x 36" (762mm x 914mm)	983 (0.634)	1.8 (0.124)	9.5 (0.655)	5.0 (0.345)	9.5 (0.655)
25.5" x 43.1" (648mm x 1096mm)	1000 (0.645)	1.7 (0.117)	9.5 (0.655)	5.0 (0.345)	9.5 (0.655)
24" x 47" (610mm x 1194mm)	1023 (0.660)	1.7 (0.117)	9.2 (0.634)	4.9 (0.338)	9.2 (0.634)
24" x 48" (610mm x 1219mm)	1046 (0.675)	1.7 (0.117)	9.1 (0.627)	4.8 (0.331)	9.1 (0.627)
27" x 43" (686mm x 1092mm)	1058 (0.682)	1.7 (0.117)	9.1 (0.627)	4.8 (0.331)	9.1 (0.627)
25" x 47" (635mm x 1194mm)	1069 (0.689)	1.7 (0.117)	9.1 (0.627)	4.8 (0.331)	9.1 (0.627)
27.5" x 44.3" (698mm x 1126mm)	1112 (0.717)	1.7 (0.117)	9.1 (0.627)	4.8 (0.331)	9.1 (0.627)
25" x 49" (635mm x 1245mm)	1116 (0.720)	1.7 (0.117)	9.1 (0.627)	4.8 (0.331)	9.1 (0.627)
31.5" x 39.4" (800mm x 1000mm)	1135 (0.732)	1.7 (0.117)	9.1 (0.627)	4.8 (0.331)	9.1 (0.627)
36" x 36" (914mm x 914mm)	1190 (0.767)	1.7 (0.117)	8.6 (0.593)	4.7 (0.324)	8.6 (0.593)
30" x 44" (762mm x 1118mm)	1211 (0.781)	1.7 (0.117)	8.6 (0.593)	4.7 (0.324)	8.6 (0.593)
27" x 52" (686mm x 1321mm)	1287 (0.830)	1.7 (0.117)	8.4 (0.579)	4.6 (0.317)	8.4 (0.579)
27.5" x 51.6" (698mm x 1310mm)	1300 (0.839)	1.7 (0.117)	8.4 (0.579)	4.6 (0.317)	8.4 (0.579)

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		FLUOROPOLYMER SEAL PSIG @ 72° F (bar)		ALUMINUM SEAL PSIG @ 72° F (bar)	
30" x 48" (762mm x 1219mm)	1325 (0.855)	1.7 (0.117)	8.4 (0.579)	4.6 (0.317)	8.4 (0.579)
36" x 38" (965mm x 965mm)	1332 (0.859)	1.7 (0.117)	8.4 (0.579)	4.6 (0.317)	8.4 (0.579)
25.5" x 57.1" (648mm x 1450mm)	1334 (0.904)	1.7 (0.117)	8.4 (0.579)	4.6 (0.317)	8.4 (0.579)
31.5" x 47.2" (800mm x 1200mm)	1372 (0.885)	1.7 (0.117)	8.3 (0.572)	4.6 (0.317)	8.3 (0.572)
39.4" x 39.4" (1000mm x 1000mm)	1434 (0.925)	1.6 (0.110)	8.3 (0.572)	4.5 (0.310)	8.3 (0.572)
27" x 58" (686mm x 1473mm)	1440 (0.929)	1.6 (0.110)	8.2 (0.565)	4.4 (0.303)	8.2 (0.572)
27.5" x 57.1" (698mm x 1450mm)	1444 (0.931)	1.6 (0.110)	7.9 (0.545)	4.4 (0.303)	7.9 (0.545)
36" x 44" (914mm x 1118mm)	1466 (0.946)	1.6 (0.110)	7.9 (0.545)	4.4 (0.303)	7.9 (0.545)
25" x 66" (635mm x 1676mm)	1515 (0.977)	1.6 (0.110)	7.8 (0.538)	4.3 (0.296)	7.8 (0.538)
27" x 66" (686mm x 1676mm)	1644 (1.061)	1.6 (0.110)	7.4 (0.510)	4.2 (0.290)	7.4 (0.510)
36.2" x 49.4" (920mm x 1254mm)	1662 (1.072)	1.6 (0.110)	7.4 (0.510)	4.2 (0.290)	7.4 (0.510)
30" x 60" (762mm x 1524mm)	1667 (1.075)	1.6 (0.110)	7.4 (0.510)	4.2 (0.290)	7.4 (0.510)
42" x 44" (1067mm x 1118mm)	1721 (1.110)	1.6 (0.110)	7.4 (0.510)	4.1 (0.283)	7.4 (0.510)
44" x 44" (1118mm x 1118mm)	1806 (1.165)	1.5 (0.103)	7.2 (0.496)	4.1 (0.283)	7.2 (0.496)
44.5" x 44.5" (1130mm x 1130mm)	1849 (1.196)	1.5 (0.103)	7.1 (0.490)	4.0 (0.276)	7.1 (0.490)
36" x 60" (914mm x 1524mm)	2018 (1.302)	1.5 (0.103)	7.0 (0.483)	4.0 (0.276)	7.0 (0.483)
39" x 66.5" (990mm x 1690mm)	2437 (1.572)	1.4 (0.097)	6.4 (0.441)	3.8 (0.262)	6.4 (0.441)
44" x 60" (1118mm x 1524mm)	2486 (1.604)	1.4 (0.097)	6.4 (0.441)	3.8 (0.262)	6.4 (0.441)
42" x 65" (1067mm x 1651mm)	2571 (1.659)	1.4 (0.097)	6.3 (0.434)	3.8 (0.262)	6.3 (0.434)
44" x 69" (1118mm x 1753mm)	2868 (1.850)	1.3 (0.090)	6.1 (0.421)	3.7 (0.255)	6.1 (0.421)

For Sizes Or Pressures Not Listed, Please Consult Factory