



# MV-RF

METAL VENT RECTANGULAR FLAT

The MV-RF is Oseco's all metal explosion vent

### SPECIFICATIONS

- **COMMON APPLICATIONS**  
Applications where product buildup is a concern
- **BURST TOLERANCE**  
± 0.5 psig above 2 psig and ±0.25 psig at or below 2 psig
- **SIZE RANGE**  
8" x 8" to 44" x 69"
- **OPERATING RATIO**  
60% of stamped burst pressure
- **SET PRESSURE RANGE**  
0.2 psig to 10 psig (0.014 barg to 0.689 barg)
- **NON-FRAGMENTING DESIGN**
- **VACUUM RANGE**  
Higher vacuum resistance than any other flat vent design.
- **MATERIAL OF CONSTRUCTION**  
316 Stainless Steel w/silicone sealant

## MV-RF

Oseco's MV-RF explosion vent is an all metal design (no Fluoropolymer) using a stainless steel controlling membrane. No holes or slits are visible which makes the MV-RF vent excellent for applications where product buildup may be a concern. The MV-RF may be used in applications where the positive pressure does not exceed 60% of the minimum tolerance.

The MV-RF is also available with FDA-approved gaskets for use in sanitary service applications.

**2-Day Lead Time Available.** Learn more about the Explosion Vent Stocking Program at the end of this section.



Meets NFPA regulations.



## MV-RF Explosion Vent Min/Max

SIZE INCHES (mm)	RELIEF AREA in <sup>2</sup> (m <sup>2</sup> )	RUPTURE PRESSURES AVAILABLE PSIG @ 72° F	
		MIN (barg)	MAX (barg)
8" x 8" (203mm x 203mm)	54.0 (0.03)	1.5 (0.10)	10.0 (0.68)
12" x 12" (305mm x 305mm)	129.0 (0.08)	1.4 (0.09)	10.0 (0.68)
12" x 18" (305mm x 457mm)	196.0 (0.12)	1.3 (0.09)	10.0 (0.68)
12" x 24" (305mm x 610mm)	264.0 (0.17)	1.3 (0.09)	10.0 (0.68)
16" x 18" (406mm x 457mm)	266.0 (0.17)	1.3 (0.09)	10.0 (0.68)
17-1/8" x 17 1/8" (435mm x 435mm)	272.0 (0.17)	1.3 (0.09)	10.0 (0.68)
18" x 24" (457mm x 610mm)	405.0 (0.26)	1.2 (0.08)	10.0 (0.68)
20" x 24" (508mm x 610mm)	452.0 (0.29)	1.2 (0.08)	10.0 (0.68)
18" x 28" (457mm x 711mm)	474.0 (0.30)	1.2 (0.08)	10.0 (0.68)
18" x 30" (457mm x 762mm)	508.0 (0.32)	1.2 (0.08)	10.0 (0.68)
24" x 24" (610mm x 610mm)	546.0 (0.35)	1.2 (0.08)	10.0 (0.68)
18" x 35" (457mm x 889mm)	595.0 (0.38)	1.2 (0.08)	10.0 (0.68)
18" x 36" (457mm x 914mm)	612.0 (0.39)	1.2 (0.08)	10.0 (0.68)
24" x 30" (610mm x 762mm)	685.0 (0.44)	1.1 (0.07)	10.0 (0.68)
24" x 36" (610mm x 914mm)	825.0 (0.53)	1.0 (0.06)	10.0 (0.68)
30" x 30" (762mm x 762mm)	862.0 (0.55)	1.0 (0.06)	10.0 (0.68)
20" x 48" (508mm x 1219mm)	914.0 (0.58)	1.0 (0.06)	10.0 (0.68)
27" x 36" (686mm x 914mm)	931.0 (0.60)	1.0 (0.06)	10.0 (0.68)
25" x 40" (635mm x 1016mm)	957.0 (0.61)	1.0 (0.06)	10.0 (0.68)
27" x 39" (686mm x 991mm)	1010.0 (0.65)	1.0 (0.06)	9.6 (0.66)
24" x 44" (610mm x 1118mm)	1011.0 (0.65)	1.0 (0.06)	9.6 (0.66)
25" x 43" (635mm x 1092mm)	1030.0 (0.66)	1.0 (0.06)	9.5 (0.65)
27" x 40" (686mm x 1016mm)	1036.0 (0.66)	1.0 (0.06)	9.5 (0.65)

MV-RF Explosion Vent Min/Max (continued)

SIZE INCHES (mm)	RELIEF AREA in <sup>2</sup> (m <sup>2</sup> )	RUPTURE PRESSURES AVAILABLE PSIG @ 72° F	
		MIN (barg)	MAX (barg)
30" x 36" (762mm x 914mm)	1038.0 (0.66)	1.0 (0.06)	9.5 (0.65)
24" x 47" (610mm x 1194mm)	1081.0 (0.69)	1.0 (0.06)	9.2 (0.63)
24" x 48" (610mm x 1219mm)	1104.0 (0.71)	0.9 (0.06)	9.1 (0.62)
27" x 43" (686mm x 1092mm)	1115.0 (0.71)	0.9 (0.06)	9.1 (0.62)
25" x 47" (635mm x 1194mm)	1127.0 (0.72)	0.9 (0.06)	9.1 (0.62)
25" x 49" (635mm x 1245mm)	1176.0 (0.75)	0.9 (0.06)	9.1 (0.62)
36" x 36" (914mm x 914mm)	1251.0 (0.80)	0.8 (0.05)	8.6 (0.59)
30" x 44" (762mm x 1118mm)	1272.0 (0.82)	0.8 (0.05)	8.6 (0.59)
27" x 52" (686mm x 1321mm)	1351.0 (0.87)	0.7 (0.04)	8.4 (0.57)
30" x 48" (762mm x 1219mm)	1389.0 (0.89)	0.7 (0.04)	8.4 (0.57)
38" x 38" (965mm x 965mm)	1396.0 (0.90)	0.7 (0.04)	8.4 (0.57)
27" x 58" (686mm x 1473mm)	1509.0 (0.97)	0.7 (0.04)	8.2 (0.56)
27.5" x 57.1" (698mm x 1450mm)	1512.0 (0.97)	0.7 (0.04)	7.9 (0.54)
36" x 44" (914mm x 1118mm)	1533.0 (0.98)	0.7 (0.04)	7.9 (0.54)
25" x 66" (635mm x 1676mm)	1588.0 (1.02)	0.6 (0.04)	7.8 (0.53)
27" x 66" (686mm x 1676mm)	1719.0 (1.10)	0.5 (0.03)	7.4 (0.51)
30" x 60" (762mm x 1524mm)	1740.0 (1.12)	0.5 (0.03)	7.4 (0.51)
42" x 44" (1067mm x 1118mm)	1794.0 (1.15)	0.5 (0.03)	7.4 (0.51)
44" x 44" (1118mm x 1118mm)	1881.0 (1.21)	0.5 (0.03)	7.2 (0.49)
44.5" x 44.5" (1130mm x 1130mm)	1925.0 (1.24)	0.5 (0.03)	7.1 (0.49)
36" x 60" (914mm x 1524mm)	2097.0 (1.35)	0.5 (0.03)	7.0 (0.48)
44" x 60" (1118mm x 1524mm)	2573.0 (1.66)	0.3 (0.02)	6.4 (0.44)
42" x 65" (1067mm x 1651mm)	2660.0 (1.71)	0.3 (0.02)	6.3 (0.43)
44" x 69" (1118mm x 1753mm)	2962.0 (1.91)	0.2 (0.01)	6.1 (0.42)

Related products

**SENSORS**

SVT-03 Burst Sensor

**HOLDERS**

Gaskets, Frames



Let us help you with all your pressure relief questions. Contact Oseco at **800-395-3475** or email us at [info@oseco.com](mailto:info@oseco.com).

**Oseco Inc**

1701 W. Tacoma  
Broken Arrow Oklahoma 74012 USA  
Tel: (918) 258-5626  
Fax: (918) 251-2809



Visit the products section of [oseco.com](http://oseco.com) to ensure you have the most recent information.

[www.oseco.com](http://www.oseco.com)