

MV-RF

METAL VENT-RECTANGULAR FLAT

Oseco's MV-RF (Metal Vent-Rectangular Flat) 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, such as bag houses or bulk storage units, where product buildup may be a concern.

It may be exposed to system pressures up to 60% of stamped burst pressure. The MV-RF is also available with FDA-approved gaskets for use in sanitary service applications.



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

- Size Range 8" x 8" to 44" x 69"
- Set Pressure Range 0.2 psig to 10 psig (0.014 barg to 0.689 barg)
- Non-fragmenting design
- Higher vacuum resistance than any other flat vent design
- Materials of Construction: 316 Stainless Steel, Silicone Sealant, Neoprene Gasket (other gasket materials, including FDA gasket, are also available)
- Meets NFPA 61 and 68 regulations
- **1 Year Warranty**
- **2 Day Lead Time Available**

Common Applications

Applications Where Product Buildup is a Concern

Operating Ratio

60%

Burst Tolerance

+/-0.5psig over 2 psig,
+/-0.25 psig at or below 2 psig



Oseco MV-RF

Technical Specifications

MV-RF Explosion Vent Min/Max

SIZE INCHES (mm)	RELIEF AREA in ² (m ²)	MIN psig (barg)	MAX psig (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)	5.0 (0.34)
12" x 24" (305mm x 610mm)	264.0 (0.17)	1.3 (0.09)	5.0 (0.34)
16" x 18" (406mm x 457mm)	266.0 (0.17)	1.3 (0.09)	5.0 (0.34)
17.125" x 17.125" (435mm x 435mm)	272.0 (0.17)	1.3 (0.09)	5.0 (0.34)
18" x 24" (457mm x 610mm)	405.0 (0.26)	1.2 (0.08)	5.0 (0.34)
20" x 24" (508mm x 610mm)	452.0 (0.29)	1.2 (0.08)	5.0 (0.34)
18" x 28" (457mm x 711mm)	474.0 (0.30)	1.2 (0.08)	5.0 (0.34)
18" x 30" (457mm x 762mm)	508.0 (0.32)	1.2 (0.08)	5.0 (0.34)
24" x 24" (610mm x 610mm)	546.0 (0.35)	1.2 (0.08)	5.0 (0.34)
18" x 35" (457mm x 889mm)	595.0 (0.38)	1.2 (0.08)	5.0 (0.34)
18" x 36" (457mm x 914mm)	612.0 (0.39)	1.2 (0.08)	5.0 (0.34)
24" x 30" (610mm x 762mm)	685.0 (0.44)	1.1 (0.07)	5.0 (0.34)
24" x 36" (610mm x 914mm)	825.0 (0.53)	1.0 (0.06)	5.0 (0.34)
30" x 30" (762mm x 762mm)	862.0 (0.55)	1.0 (0.06)	5.0 (0.34)
20" x 48" (508mm x 1219mm)	914.0 (0.58)	1.0 (0.06)	5.0 (0.34)
27" x 36" (686mm x 914mm)	931.0 (0.60)	1.0 (0.06)	5.0 (0.34)
25" x 40" (635mm x 1016mm)	957.0 (0.61)	1.0 (0.06)	5.0 (0.34)
27" x 39" (686mm x 991mm)	1010.0 (0.65)	1.0 (0.06)	5.0 (0.34)
24" x 44" (610mm x 1118mm)	1011.0 (0.65)	1.0 (0.06)	5.0 (0.34)
25" x 43" (635mm x 1092mm)	1030.0 (0.66)	1.0 (0.06)	5.0 (0.34)
27" x 40" (686mm x 1016mm)	1036.0 (0.66)	1.0 (0.06)	5.0 (0.34)
30" x 36" (762mm x 914mm)	1038.0 (0.66)	1.0 (0.06)	5.0 (0.34)
24" x 47" (610mm x 1194mm)	1081.0 (0.69)	1.0 (0.06)	5.0 (0.34)
24" x 48" (610mm x 1219mm)	1104.0 (0.71)	0.9 (0.06)	5.0 (0.34)
27" x 43" (686mm x 1092mm)	1115.0 (0.71)	0.9 (0.06)	5.0 (0.34)

Related Products

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SIZE INCHES (mm)	RELIEF AREA in ² (m ²)	MIN psig (barg)	MAX psig (barg)
25" x 47" (635mm x 1194mm)	1127.0 (0.72)	0.9 (0.06)	5.0 (0.34)
25" x 49" (635mm x 1245mm)	1176.0 (0.75)	0.9 (0.06)	5.0 (0.34)
36" x 36" (914mm x 914mm)	1251.0 (0.80)	0.8 (0.05)	5.0 (0.34)
30" x 44" (762mm x 1118mm)	1272.0 (0.82)	0.8 (0.05)	5.0 (0.34)
27" x 52" (686mm x 1321mm)	1351.0 (0.87)	0.7 (0.04)	5.0 (0.34)
30" x 48" (762mm x 1219mm)	1389.0 (0.89)	0.7 (0.04)	5.0 (0.34)
38" x 38" (965mm x 965mm)	1396.0 (0.90)	0.7 (0.04)	5.0 (0.34)
27" x 58" (686mm x 1473mm)	1509.0 (0.97)	0.7 (0.04)	5.0 (0.34)
27.5" x 57.1" (698mm x 1450mm)	1512.0 (0.97)	0.7 (0.04)	5.0 (0.34)
36" x 44" (914mm x 1118mm)	1533.0 (0.98)	0.7 (0.04)	5.0 (0.34)
25" x 66" (635mm x 1676mm)	1588.0 (1.02)	0.6 (0.04)	5.0 (0.34)
27" x 66" (686mm x 1676mm)	1719.0 (1.10)	0.5 (0.03)	5.0 (0.34)
30" x 60" (762mm x 1524mm)	1740.0 (1.12)	0.5 (0.03)	5.0 (0.34)
42" x 44" (1067mm x 1118mm)	1794.0 (1.15)	0.5 (0.03)	5.0 (0.34)
44" x 44" (1118mm x 1118mm)	1881.0 (1.21)	0.5 (0.03)	5.0 (0.34)
44.5" x 44.5" (1130mm x 1130mm)	1925.0 (1.24)	0.5 (0.03)	5.0 (0.34)
36" x 60" (914mm x 1524mm)	2097.0 (1.35)	0.5 (0.03)	5.0 (0.34)
44" x 60" (1118mm x 1524mm)	2573.0 (1.66)	0.3 (0.02)	5.0 (0.34)
42" x 65" (1067mm x 1651mm)	2660.0 (1.71)	0.3 (0.02)	5.0 (0.34)
44" x 69" (1118mm x 1753mm)	2962.0 (1.91)	0.2 (0.01)	5.0 (0.34)

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