

MV-RD

METAL VENT-RECTANGULAR DOMED

The Oseco MV-RD (Metal Vent-Rectangular Domed) explosion vent is designed for high cycling applications, such as dust collectors and bag houses that experience vacuum pressure up to 12psig/24.4 inHg. It may be exposed to system pressures up to 80% of the stamped burst pressure range.

The MV-RD's high cycling characteristics reduce maintenance and increase the vents life cycle. It mounts on enclosures where dust explosions may occur, and will activate to safely relieve pressure in the event of a deflagration, thereby preventing a large explosion.

The MV-RD can also be used on bulk storage units and in ductwork applications requiring a rectangular explosion vent.



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Oseco's MV-RD is ideal for high cycling applications.

- Size Range 12" x 12" to 36" x 44"
- Set Pressure Range 1.5 psig to 14 psig (0.10 barg to 0.96 barg)
- Non-fragmenting design
- Vacuum Range 10 psig to 12 psig/20 inHg to 24inHg
- Temperature range -20° to 150° F
- 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
- US Patent #US20120248108A1
- **2 Year Warranty**
- **2 Day Lead Time Available**

Common Applications
Bag Houses, Bulk Storage and Dust Collection

Operating Ratio
80%

Burst Tolerance
+/-0.25 psig



Related Products

SENSORS
SVT-03

HOLDERS
FRAMES
GASKETS

MV-RD Technical Specifications

MV-RD Explosion Vent Min/Max

SIZE INCHES (mm)	RELIEF AREA in ² (m ²)	MIN psig (barg)	MAX psig (barg)	VACUUM psig (barg)
12" x 12" (305mm x 305mm)	129.0 (0.08)	2.5 (0.17)	14.0 (0.96)	12.0 (0.83)
12" x 24" (305mm x 610mm)	264.0 (0.17)	1.25 (0.08)	8.0 (0.55)	12.0 (0.83)
18" x 24" (457mm x 610mm)	405.0 (0.26)	1.25 (0.08)	6.25 (0.43)	10.0 (0.69)
24" x 24" (610mm x 610mm)	546.0 (0.35)	1.25 (0.08)	4.25 (0.29)	12.0 (0.83)
18" x 35" (457mm x 889mm)	595.0 (0.38)	1.5 (0.10)	6.75 (0.46)	12.0 (0.83)
24" x 36" (610mm x 914mm)	825.0 (0.53)	1.25 (0.08)	4.25 (0.29)	12.0 (0.83)
36" x 36" (914mm x 914mm)	1251.0 (0.80)	1.25 (0.08)	2.25 (0.15)	12.0 (0.83)
36" x 44" (914mm x 1118mm)	1533.0 (0.99)	1.0 (0.67)	2.0 (0.14)	10.0 (0.69)

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