

MV-RD

METAL VENT - RECTANGULAR DOMED

OsecoElfab's MV-RD is ideal for bag houses, dust collectors bulk storage units requiring a rectangular vent.



Buy online - 10 day lead time
for common sizes

Size Range

- 12" x 12" to 36" x 44"

Set Pressure Range

- 1.5 psig to 14 psig

Warranty

- 2 year warranty as standard

Common Applications

- Ductwork, Bag Houses, Bulk Storage, Dust Collection

OsecoElfab's MV-RD explosion vent is designed for high cycling applications such as dust collectors and bag houses, and for bulk storage units and ductwork applications requiring a rectangular vent.

It may be exposed to system pressures up to 80% of the stamped burst pressure range, and is suitable for applications that experience vacuum pressure up to 12psig/24.4 inHg.

The MV-RD's high cycling characteristics reduce maintenance and increase the vent's 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.

Let us help you with all
your pressure relief questions.

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TECHNICAL SPECIFICATIONS



Size range	12" x 12" to 36" x 44"
Set pressure range	1.5 - 14 psig (0.1 - 0.96 barg)
Temperature range	-20°F to 150°F (-28°C to 65°C)
Operating Ratio	80%
Burst Tolerance	+/-0.25 psig
Standard materials	316 Stainless Steel Silicone Sealant Neoprene Gasket (other gasket materials, including FDA gaskets, are available)
Fragmentation	Non-fragmenting design
Vacuum Service	Vacuum Range 10 psig to 12 psig/20 inHg to 24inHg
Design Standards	Meets NFPA 61 and NFPA 68 regulations

Related Products

Sensors

SVT-03

Accessories

Gaskets

Frames

Burst Pressure Ranges

MV-RD Explosion Vent Min/Max Burst Pressures



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