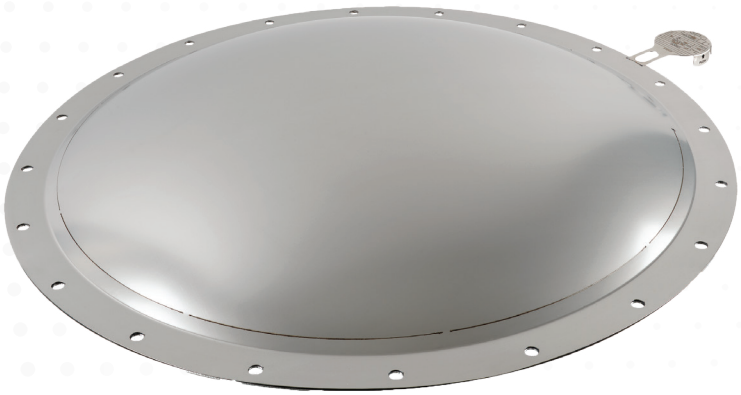
DATASHEET /
TECHNICAL SPECIFICATIONS

OsecoElfab

MV-CD

METAL VENT - CIRCULAR DOMED

OsecoElfab's MV-CD is **crowned round,** *for* **use with round ductwork**



OsecoElfab's MV-CD (Metal Vent-Circular Domed) explosion vent is designed to be crowned and round for use with round ductwork. The vent may be exposed to system pressures up to 70% of the stamped burst pressure range with good service life.

The MV-CD's perimeter stitching of the top section allows utilization of much thicker materials than other domed designs, which allows for a high cycling vent.

The MV-CD can withstand full vacuum without the need for vacuum support bars on the frame.

Size Range
- 8" to 36"

Set Pressure Range
- 1.5 psig to 10 psig

Warranty
- 2 year warranty as standard

Common Applications
- Bulk Storage

Let us help you with all your pressure relief questions.

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TECHNICAL SPECIFICATIONS

Size range	8" to 36"
Set pressure range	1.5 - 10 psig (0.103 - 0.68 barg)
Operating Ratio	70%
Burst Tolerance	+/-0.5 over 2 psig +/-0.25 psig at or below 2 psig
Standard materials	316 Stainless Steel and Fluropolymer
Fragmentation	Non-fragmenting design
Vacuum Service	Withstands full vacuum
Design Standards	Meets NFPA 61 and NFPA 68 regulations

Related Products

Sensors
SVT-03

Accessories
Gaskets
Frames

Burst Pressure Ranges

MV-CD Explosion Vent Min/Max Burst Pressures

SIZE		STANDARD ANGLE FRAME I.D.	RELIEF AREA in^2 (m^2)	FLUOROPOLYMER SEAL (psig @ 72° F)	
inches	mm			MIN psig (barg)	MAX psig (barg)
8	200	8.125 (206)	45.0 (0.029)	4.5 (0.310)	10.0 (0.689)
10	250	10.125 (257)	72.0 (0.046)	3.6 (0.248)	10.0 (0.689)
12	300	12.1875 (310)	101.0 (0.065)	3.0 (0.207)	10.0 (0.689)
14	350	14.1875 (360)	135.0 (0.087)	2.6 (0.179)	10.0 (0.689)
16	400	16.25 (413)	176.0 (0.113)	2.3 (0.159)	10.0 (0.689)
18	450	18.25 (464)	227.0 (0.146)	2.0 (0.138)	10.0 (0.689)
20	500	20.25 (514)	279.0 (0.180)	1.8 (0.124)	10.0 (0.689)
24	600	24.25 (616)	415.0 (0.267)	1.5 (0.103)	10.0 (0.689)
28	700	28.25 (718)	530.0 (0.342)	1.5 (0.103)	10.0 (0.689)
30	750	30.25 (768)	650.0 (0.419)	1.5 (0.103)	10.0 (0.680)
32	800	32.25 (819)	754.0 (0.486)	1.5 (0.103)	10.0 (0.689)
34	850	34.25 (870)	855.0 (0.551)	1.5 (0.103)	10.0 (0.689)
36	900	36.25 (921)	955.0 (0.616)	1.5 (0.103)	9.7 (0.669)

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