

# MV-CD

## METAL VENT-CIRCULAR DOMED

Oseco's MV-CD (Metal Vent-Circular Domed) explosion vent is designed to be crowned and round for use with round ductwork. It 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.



### Oseco's MV-CD explosion vent is crowned round for use with round ductwork.

- Size Range 8" to 36"
- Set Pressure Range 1.5 psig to 10 psig (0.103 barg to 0.689 barg)
- Non-fragmenting design
- Withstands full vacuum
- Materials of Construction: 316 Stainless Steel and Fluoropolymer
- Meets NFPA 61 and NFPA 68 regulations
- **2 Year Warranty**

#### *Common Applications*

Bulk Storage

#### *Operating Ratio*

70%

#### *Burst Tolerance*

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



## Related Products

**SENSORS**  
SVT-03

**HOLDERS**  
**GASKETS**  
**FRAMES**

# MV-CD Technical Specifications

## MV-CD Explosion Vent Min/Max

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

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your pressure relief questions.  
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