

MVRB

RUPTURE PANEL

The Oseco MVRB (Metal Vent Reverse-Buckling) is designed and manufactured for high performance and the most demanding panel applications. The MVRB is a reverse-buckling panel with a smooth surface in contact with the process. It is ideal for hygienic and sanitary services.

High Operating Ratio

The MVRB can be used to prevent catastrophic explosions by providing adequate venting area in accordance with NFPA 68. It should be used to protect dust collectors, conveyor systems, dryers, and most other equipment that requires precise overpressure protection.

The MVRB is Oseco's high performance, reverse-buckling panel.



Oseco MVRB Rupture Panel

- Standard sizes: 12" through 36", 42" available upon special request.
- Standard materials: 316 Stainless Steel, Nickel 200/201, Inconel®-600 and Monel®-400.
- Operates to 90% of stamped minimum burst pressure.
- High-cycling service.
- Burst tolerance: ± 0.5 psig above 2 psig and ± 0.25 psig at or below 2 psig.
- Damage Ratio: If damaged, will burst at or below stamped burst pressure.
- Can be designed to withstand vacuum condition upon request.
- Smooth surface on process side to reduce process buildup and contamination.
- Nonfragmenting design.
- Contains silicone sealant.
- Elevated temperatures up to 700° F.
- Easily installs into either bolted or welded rolled-angle ring frames. Can also be fitted to ANSI flanges upon request.
- Optional SVT-03 sensor can be used to provide electronic indication of a panel burst.

MVRB Panel Specifications

Nominal Size (in.)	Relief Area (sq. in.)	Min Burst Pressure (psig)	Max Burst Pressure (psig)
12	101	3.0	10.0
14	135	2.6	10.0
16	176	2.3	10.0
18	227	2.0	10.0
20	279	1.8	10.0
24	415	1.5	10.0
28	530	1.5	10.0
30	650	1.5	10.0
32	754	1.5	10.0
34	855	1.5	10.0
36	955	1.5	10.0

SENSORS

The SVT-03 sensor is designed for use with the MVRB.

HOLDERS

The MVRB uses custom built holders or standard Oseco PRDI holders. Consult Oseco for more information.