

VAPRO

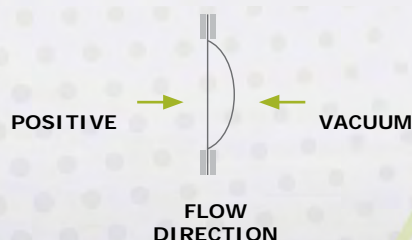
VACUUM PRESSURE PROTECTION RUPTURE DISC

The Oseco VAPRO rupture disc is an economical alternative for applications requiring both positive and vacuum pressure protection. The VAPRO operates over a range of 6" W.C.

The VAPRO is used in applications requiring extremely low vacuum pressure relief. It can activate as low as 6" W.C. vacuum.

Oseco's VAPRO rupture disc provides bidirectional pressure protection.

- Vacuum Burst Pressure Range 6" - 30" W.C.
- Positive Burst Pressure Range 4 psig to 150 psig
- Temperature Range -25° to 400° F
- Standard materials of construction: perforated, composite-style controlling membranes, fluoropolymer seals and a 316 Stainless Steel girdle.



Sizes
3" - 10"

Operating Ratio

Vacuum: Within 1" W.C. below 10" W.C.,
90% of min. vacuum burst pressure
above 10" W.C.
Positive: 80%

Manufacturing Range

Vacuum:
6" W.C. MIN/MAX
Positive:
0%, 5%, 10%



Related Products

SENSORS
LPSF

HOLDERS
VRDI

VAPRO

Technical Specifications

VAPRO Ranges of Vacuum and Positive Pressure Relief

SIZE Inches	VACUUM RELIEF (Inches H ₂ O) (Range of Starting Relief Points Available)	POSITIVE PRESSURE RELIEF (psig @ 72° F)	
	316 SS GIRDLE H ₂ O (mbarg)	MIN psig (barg)	MAX psig (barg)
3" DN 80	6-30 (14.9-74.6)	11 (0.8)	150 (10.3)
4" DN 100	6-30 (14.9-74.6)	8 (0.6)	125 (8.6)
6" DN 150	6-30 (14.9-74.6)	6 (0.4)	100 (6.9)
8" DN 200	6-30 (14.9-74.6)	5 (0.3)	75 (5.2)
10" DN 250	6-30 (14.9-74.6)	4 (0.3)	50 (3.4)

Example: VAPRO Required Relief Spread
Operator requests 6" VAPRO with 316 Stainless Steel girdle to relieve at 30" H₂O vacuum. VAPRO will puncture at above 30" H₂O and achieve maximum flow area at or below 36" H₂O positive pressure.

VAPRO Temperature Limits

GIRDLE MATERIAL	TEMPERATURE LIMIT	
	MINIMUM	MAXIMUM
316 Stainless Steel	-25° F	400° F

Burst Tolerance - Vacuum

6" W.C. MIN/MAX

Burst Tolerance - Positive

+/-5% above 40 psig

+/-2 psig at or below 40 psig

Let us help you with all
your pressure relief questions.
Call us at (800) 395-3475
or email us at info@oseco.com.

www.oseco.com

