

# VAPRO-S

## VACUUM PRESSURE PROTECTION SANITARY RUPTURE DISC

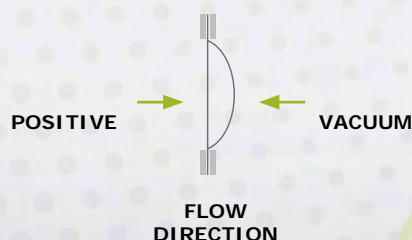
The Oseco VAPRO-S rupture disc is designed for sanitary applications requiring both positive and vacuum pressure protection. The VAPRO-S operates over a range of 6" W.C.

The VAPRO-S is used in sanitary applications requiring extremely low vacuum pressure relief. It can operate as low as 1" W.C. and up to 150 psig.

The VAPRO-S may be supplied with perforated, composite-style controlling membranes, fluoropolymer seals and a 316 Stainless Steel girdle.

**Oseco's VAPRO-S provides extremely low positive pressure protection for large vessels.**

- Vacuum Burst Pressure Range 6" - 30" W.C.
- Positive Burst Pressure Range 4 psig to 150 psig
- Temperature Range -25° to 400° F



### Sizes

4" - 12"

### Operating Ratio

80%

### Manufacturing Range

-4 psig from 5-40 psig  
For Positive Pressure Relief:  
-10%, -5% or 0% over 40 psig



## Related Products

SENSORS  
OSS

HOLDERS  
POSS

# VAPRO-S Technical Specifications

## VAPRO-S Ranges of Vacuum and Positive Pressure Relief

SIZE Inches	VACUUM RELIEF (Inches H <sub>2</sub> O) (Range of Starting Relief Points Available)	POSITIVE PRESSURE RELIEF (psig @ 72° F)	
	316 SS GIRDLE H <sub>2</sub> O (mbarg)	MIN psig (barg)	MAX VRDS 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-S Required Relief Spread  
Operator requests 6" VAPRO-S with 316 Stainless Steel girdle to relieve at 30" H<sub>2</sub>O vacuum. VAPRO-S will puncture at above 30" H<sub>2</sub>O and achieve maximum flow area at or below 36" H<sub>2</sub>O positive pressure.

## VAPRO-S Temperature Limits

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

## Burst Tolerance - Positive

+/-5% above 40 psig	+/-2 psig at or below 40 psig
---------------------	-------------------------------

## Burst Tolerance - Vacuum

6" W.C.
---------

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

[www.oseco.com](http://www.oseco.com)

