

VAPRO-S Temperature Limits

Girdle Material	Temperature Limit	
	Minimum	Maximum
Fluoropolymer	-25° F	150° F
316 SS	-25° F	400° F

VAPRO-S Ranges of Vacuum and Positive Pressure Relief

VAPRO-S Rupture Disc Size	Vacuum Relief (Inches H2O)				Positive Pressure Relief (PSIG@ 72° F)			
	FP* Girdle		316 Girdle		Minimum Burst Pressure		Maximum Burst Pressure (VRDI Holder)	
	Range of Starting Relief Points Available		Range of Starting Relief Points Available					
	(In H2O)	(mbarg)	(In H2O)	(mbarg)	(psig)	(barg)	(psig)	(barg)
4" DN 100	1-30	2.5-74.6	6-30	14.9-74.6	11	0.8	150	10.3
6" DN 150	1-30	2.5-74.6	6-30	14.9-74.6	8	0.6	125	8.6
8" DN 200	1-30	2.5-74.6	6-30	14.9-74.6	6	0.4	100	6.9
10" DN 250	1-20	2.5-74.6	6-30	14.9-74.6	5	0.3	75	5.2
12" DN 300	-	-	6-30	14.9-74.6	4	0.3	50	3.4

Example: VAPRO-S Required Relief Spread

Operator requests 6" VAPRO-S rupture disc with fluoropolymer girdle to relieve at 30" H₂O vacuum. VAPRO-S will puncture at above 30" H₂O and achieve maximum flow at or below 36" H₂O.

*FP indicates Virgin Fluoropolymer. PFA, FEP or PTFE may be product-specific and used at Oseco's discretion.

Positive Burst Tolerance

±5% above 40 psig	±2 psig at or below 40 psig
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