

PRO-S RUPTURE DISK

Oseco's PRO-S brings our high-performance, reverse-buckling disk technology to a new level of low-pressure reliability. With burst pressures as low as 16 psig, the PRO-S is the "problem-solver" disk for pharmaceutical and biochemical manufacturers and food processors.

The PRO-S is precision-scored on its vent side and utilizes Oseco's unique computerized load cell technology, enabling its smooth side to face your process materials with minimal product buildup.

The PRO-S does not require special liners or "baked-on" coatings, so it operates smoothly in hygienic-controlled, FDA-sensitive environments, at up to 90% of its burst pressure. It is recommended for either liquid or vapor processes.

The PRO-S is nonfragmenting, temperature-tested, and vacuum-ready. Find out how the PRO-S can demonstrate the Oseco Advantage by solving problems for your plant today!

Consult factory for pricing and availability for USP Class VI Gaskets.

The PRO-S is Oseco's streamlined, sanitary low-pressure reliever.



Oseco's PRO-S Precision Rupture Disk

- Standard sizes: 1" – 4" diameter. Consult Oseco for other available sizes.
- Standard materials: 316 Stainless Steel, with gaskets in a choice of FDA-approved elastomers: white silicon, Viton®, or EPDM. Other materials are available upon request.
- Pressure range: from 16 psig to 150 psig.
- Manufacturing range: All Oseco PRO-S disks are designed to meet a standard zero manufacturing range.
- Minimum and maximum burst pressures are listed for all standard sizes and standard materials.
- Burst tolerance of 5% for requested burst pressures of 40 psig or more (2 psig for requested burst pressure below 40 psig).
- If damaged, the PRO-S will still burst at or below its marked burst pressure.
- The PRO-S can be exposed to operating pressure up to 90% of the stamped burst pressure. It is excellent for high-cycling applications.
- Withstands full vacuum and requires no vacuum support.
- Temperature range for the PRO-S is 32° F to 450° F for silicone gaskets. Maximum temperature for Viton® is 400° F and 300° F for EPDM.

TABLE 1
Minimum and Maximum Burst Pressure for
Stainless Steel 316 PRO-S Rupture Disks at 72° F* / (22° C)

Line Size	Min Pressure		Max Pressure	
	psig	barg	psig	barg
1.0" DN 25	40	2.8	150	10.3
1.5" DN 40	32	2.2	120	8.3
2.0" DN 50	27	1.9	90	6.2
3.0" DN 80	20	1.4	75	5.2
4.0" DN 100	16	1.1	70	4.8

*Other materials are available upon request. Pressures outside standard range are also possible. Consult the Oseco factory for availability.



The PRO-S is easy to install, with its new three-dimensional disk nameplate and its elastomer gaskets. Simply follow the supplied installation instructions.

The PRO-S does not require any special disk holders, as it fits within standard ferrule connections, making it ideal for hygienic service applications.

With Oseco's unique in-house technologies, the PRO-S can be provided with extremely quick delivery in the case of emergency orders. Ask about our SureShip program for emergency response and find out how much downtime we can save you.

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