

# PRO-S

## HIGH PERFORMANCE REVERSE BUCKLING SANITARY RUPTURE DISC

*The PRO-S is a technically advanced rupture disc designed for use in bioprocessing equipment*



**FDA  
USP Class VI  
3A STANDARD  
ASME BPE**

Meets bioprocessing requirements

The PRO-S is precision scored on the vent side, leaving a smooth process side that is finished to 8-12 Ra microinches. It is made to the highest bioprocessing standards and is ideal for applications requiring SIP/CIP cleaning processes.

The PRO-S is non-fragmenting, temperature tested, and vacuum-ready. The disc requires no special or proprietary disc holder, as it is designed for easy installation into standard ferrule connections.

<b>Size</b>	1" - 4"1
<b>Burst Pressure</b>	16 - 150 psig
<b>Operating Ratio</b>	90%
<b>Performance Tolerance</b>	+/- 5%
<b>Manufacturing Range</b>	0%

**Let us help you with all  
your pressure relief questions.**

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# TECHNICAL SPECIFICATIONS



Size range	1"-4" (25-100mm)
Burst pressure range	16 psig to 150 psig (1.1 barg to 10.3 barg)
Suitable for CIP/SIP processes	Yes. Suitable for temperatures up to 200°C (392°F).
Standard materials	Disc: 316 Stainless Steel Gasket: Silicone, Viton®, EPDM, other materials available upon request.
Max. Operating Ratio	90%
Performance Tolerance	+/-5%
Manufacturing Range	0%
Fragmentation	Non-fragmenting design
Vacuum Service	Withstands full vacuum
Fluid compatibility	Gas service, liquid service
Tag	Paintless tag meets ASME BPE-2009 SD-3.8(m)
Surface finish	Meets SF1 standard surface-finish requirements. Electropolishing available.
Design Standards	Manufactured to ASME XIII standards

## Certifications

Meets FDA requirements  
Meets ASME BPE requirements  
Meets USP Class VI requirements  
ASME UD  
CRN  
PED 2014/68/EU

## Related Products

### Rupture Discs

Pure-Gard  
Opti-Gard Ferrule  
Opti-Gard SoLo  
Ferrule

### Sensors

OSS Sensor

### Accessories

Tri-Clamps  
Spacers

# Burst Pressure Ranges

PRO-S Min/Max Burst Pressure @ 72°F (22°C)



SIZE		MIN	MAX
inches	DN (mm)	psig (barg)	psig (barg)
1	25	38 (2.62)	150 (10.3)
1.5	40	32 (2.2)	120 (8.27)
2	50	27 (1.86)	115 (7.93)
3	80	20 (1.38)	75 (5.17)
4	100	16 (1.1)	70 (4.83)

## Burst Tolerance

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

+/- 0.14 barg below 2.8 barg  
+/- 5% above 2.8 barg