

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.

Size	25mm - 100mm
Burst Pressure	1.1 - 20 barg
Operating Ratio	90%
Performance Tolerance	+/- 5%
Manufacturing Range	0%

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

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**REQUEST A QUOTE FOR
THE PRO-S**



TECHNICAL SPECIFICATIONS



Size range	25-100mm (1"-4")
Burst pressure range	1.1 barg to 10.3 barg (16 psig to 150 psig)
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
DN (mm)	inches	barg (psig)	barg (psig)
25	1	2.62 (38)	10.3 (150)
40	1.5	2.2 (32)	8.27 (120)
50	2	1.86 (27)	7.93 (115)
80	3	1.38 (20)	5.17 (75)
100	4	1.1 (16)	4.83 (70)

Burst Tolerance

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

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