

# PRO-S

## PRECISION REVERSE SANITARY RUPTURE DISC

The Oseco PRO-S is a high performance, reverse buckling rupture disc. The performance range of the PRO-S meets the majority of sanitary pressure management applications. It is ideal for SIP/CIP applications and is made to meet the highest bioprocessing standards.

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

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.

### The PRO-S is Oseco's most popular sanitary rupture disc.

- Excellent for high cycling applications
- Compatible with gas and liquid service
- Non-fragmenting design
- Withstands full vacuum
- Paintless tag meets ASME bioprocessing standards (ASME BPE-2009 SD-3.8(m))
- Electropolishing available
- 8-12Ra finish
- Standard materials of construction: Disc - 316L stainless steel, Gasket Materials Available - Silicone, Viton®, EPDM, other materials available upon request



#### Sizes

1" - 4"

#### Operating Ratio

90%

#### Manufacturing Range

0%



## Related Products

**SENSORS**  
OSS Sensor

**ACCESSORIES**  
Spacer  
Tri-Clamps

## Certifications

ASME UD  
CRN  
PED 2014/68/EU  
CU/TR 032

# Oseco PRO-S Technical Specifications

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

| LINE SIZE<br>inches | MINIMUM PRESSURE |          | MAXIMUM PRESSURE |          |
|---------------------|------------------|----------|------------------|----------|
|                     | MIN psig         | MIN barg | MAX psig         | MAX barg |
| 1"<br>DN 25         | 38               | 2.62     | 150              | 10.3     |
| 1.5"<br>DN 40       | 32               | 2.2      | 120              | 8.27     |
| 2"<br>DN 50         | 27               | 1.86     | 115              | 7.93     |
| 3"<br>DN 80         | 20               | 1.38     | 75               | 5.17     |
| 4"<br>DN 100        | 16               | 1.1      | 70               | 4.83     |

### Burst Tolerance

+/-5% above 40 psig

+/-2 psig below 40 psig

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)

