

# PRO-LP

## LOW PRESSURE HOLDERLESS DISC

The PRO-LP Low Pressure Disc is designed for demanding low-pressure applications such as protecting lithium-ion battery enclosures.

The PRO-LP is a reverse buckling, high-performing rupture disc. The design allows it to be installed directly on the enclosure without the need of a traditional holder.

Additionally, the PRO-LP can be used in a standard PRDI holder mounted between ANSI flanges, or in a customer's integrated holder for differing application types.



## The PRO-LP is designed for demanding low-pressure applications

- Commonly used in lithium-ion battery applications
- Non-fragmenting design
- Withstands full vacuum
- Designed to meet ASME Section VIII standards
- Low  $K_R$  (flow resistance)
- Low profile design

### Sizes

1" - 4"

Larger sizes available on request

### Operating Ratio

95%

### $K_R$ Value

0.29

### Manufacturing Range

0%



## Related Products

**HOLDERS**  
PRDI

# PRO-LP Technical Specifications

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

SIZE inches (metric)	MATERIAL*	MIN psig (barg)	MAX psig (barg)
1" - 4" (DN 25 - DN 100)	316SS Inconel Nickel Hastelloy C	5 (0.345)	Contact us

\* Contact us for pressures or sizes outside the standard range shown in this table.

### Free Flow Area/Minimum Net Flow Area (MNFA)

DISC SIZE (Inch)	NET FLOW AREA (Sq. Inch)
1	0.864
1.5	2.036
2	3.355
3	7.393
4	12.73

### K<sub>R</sub> Values \*(Frictional Loss Factor)

K <sub>R</sub>	PRO-LP
K <sub>RG</sub>	0.29

### Burst Tolerance

+/-5% above 40 psig	+/-2 psig at or below 40 psig
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Let us help you with all your pressure relief questions.

Call us on **+1 800-395-3475** or email us at **info@oseco.com**

**www.oseco.com**

Call us on **+44 (0)191 293 1234** or email us at **sales@elfab.com**

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