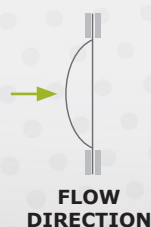
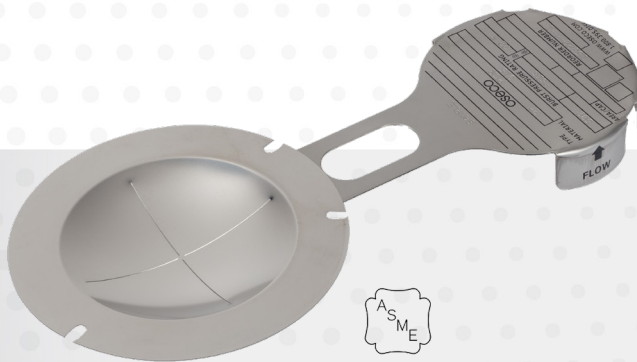


PSR

PRECISION SCORED REVERSE

The Oseco PSR (Precision Scored Reversing) rupture disk is designed and manufactured for high-performance and demanding rupture disk applications. The PSR is a reverse-buckling disk that opens along scored lines and is designed to be non-fragmenting.

The PSR rupture disk has a 90% operating ratio for applications requiring a high operating to set pressure ratio. Due to the high operating ratio and non-fragmenting design, the PSR rupture disk is an excellent choice for isolation of safety relief valves. Installing the leak-tight PSR rupture disk between the process media and the safety relief valve protects the valve and prevents emissions to the atmosphere.



The PSR from Oseco is non-fragmenting and excellent for relief valve isolation.

- Excellent service life in high-cycle applications
- Excellent for gas or liquid service
- Commonly used for relief valve isolation
- Non-fragmenting design
- Scored on the vent side to reduce buildup of process media and contamination
- Suitable for elevated temperatures up to 1,000°F
- Non-torque sensitive
- Withstands full vacuum
- Standard materials of construction: 316 Series Stainless Steel, Nickel 200/201 and Inconel® 600. Monel® 400 and Aluminium are available on request.

Sizes

1" - 8"

Operating Ratio

90%

K_R Value

K_{RGL}: 2.13

Manufacturing Range

0%

(5% and 10% also available.)

Note: All manufacturing ranges are calculated on the minus side of the requested burst pressure.)



Related Products

SENSORS

SVT
AMS

HOLDERS

PRDI
PRDI-P
PRDH

ONE PIECE UNIT

OSECO SAFETY CARTRIDGE™

Certifications

ASME UD

CRN

PED 2014/68/EU

PSR Technical Specifications

PSR Min/Max Burst Pressure @ 72° F (psig) / 22° C (barg)

SIZE inches (metric)	MATERIAL	MIN psig (barg)	MAX psig (barg)
1" DN 25	316 NI Inc	58 (4.0) 40 (2.8) 66 (4.6)	125 (8.6)
1.5" DN 40	316 NI Inc	47 (3.2) 25 (1.7) 28 (1.9)	100 (6.9)
2" DN 50	316 NI Inc	44 (3.03) 19 (1.31) 23 (1.6)	100 (6.9)
3" DN 80	316 NI Inc	31(2.1) 15 (1.03) 20 (1.4)	75 (5.2)
4" DN 100	316 NI Inc	29 (2.0) 15 (1.03) 20 (1.4)	75 (5.2)
6" DN 150	316 NI Inc	29 (2.0) 15 (1.03) 20 (1.4)	50 (3.4)
8" DN 200	316 NI Inc	29 (2.0) 15 (1.03) 20 (1.4)	50 (3.4)

Free Flow Area/Minimum Net Flow Area (MNFA)

DISC SIZE (Inch)	NET FLOW AREA (Sq. Inch)
1	0.6
1.5	1.3
2	2.5
3	4.8
4	8.0
6	18.0
8	32.0

K_R Values *(Frictional Loss Factor)

K _R	PSR
K _{RGL}	2.13

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 at **(800) 395-3475** or email us at info@oseco.com.

www.oseco.com

oseco) elfab