

HPSR

HIGH PRESSURE SCORED REVERSE WELDED ASSEMBLY

Oseco's HPSR is designed and manufactured for demanding gas and liquid applications. Its welded design eliminates leak paths and allows for easy installation. Able to withstand full vacuum, elevated temperatures and 95% operating conditions. The Oseco HPSR rupture disc assembly is an ideal solution for your most demanding applications, including those considered to be extremely high cycling.



The HPSR is Oseco's high-pressure, reverse buckling, welded disc assembly.

- Specifically designed for high pressure applications 2500 psig and above
- Non-torque sensitive
- Hydrostatically tested
- Non-fragmenting, leak-proof design
- Withstands full vacuum
- High cycle rupture disc, tested to 48 million cycles
- Excellent for gas and liquid applications
- Available materials of construction: Hastelloy® C, 316 Series Stainless Steel, and Inconel® 600
- Designed to meet ASME Section VIII standards

Sizes
1" - 8"

Operating Ratio
95%

K_R Value
K_{RL}: 13.5

Manufacturing Range
0%



Related Products

ONE PIECE UNIT
OSECO SAFETY CARTRIDGE™

Certifications

ASME UD
CRN

Oseco HPSR Technical Specifications

HPSR Min/Max Burst Pressure

SIZE inches (metric)	MATERIAL	MIN psig (barg)	MAX psig (barg)
1" DN 25	316 Inc Hast C	2500 (172.4)	6000 (413.7)
2" DN 50	316 Inc Hast C	2500 (172.4)	6000 (413.7)
3" DN 80	316 Inc Hast C	2500 (172.4)	6000 (413.7)
4" DN 100	316 Inc Hast C	2500 (172.4)	6000 (413.7)
6" DN 150	316 Inc Hast C	2500 (172.4)	6000 (413.7)
8" DN 200	316 Inc Hast C	2500 (172.4)	6000 (413.7)

*Consult factory for additional sizes and pressures.

K_R Values *(Frictional Loss Factor)

K _R	HPSR
K _{RL}	13.5

Burst Tolerance

+/-5%

Free Flow Area Minimum Net Flow Area (MNFA)

DISC SIZE (Inch)	NET FLOW AREA (Sq. Inch)
1	0.31
2	0.994
3	2.074
4	3.715
6	7.52
8	13.17

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

