



*The PLR is Oseco's
low-pressure, reverse-
buckling disk*



PLR

**PRECISION LOW-PRESSURE
REVERSE-BUCKLING**

R U P T U R E • D I S K

PLR PRECISION LOW-PRESSURE REVERSE-BUCKLING RUPTURE DISK

The Oseco PLR is a precision, low-pressure, non-fragmenting, reverse-buckling rupture disk. It offers extremely low burst pressures in an all-metal design. The armored construction of the PLR protects the disk from damage that affects the performance of other low-pressure rupture disks.

Standard disk materials are 316 Stainless Steel, Inconel-600, Monel-400, and Nickel-200/201. (Consult factory for other materials of construction.) For additional corrosion protection, a PFA Teflon liner is available on the process side (please specify type PLRL). The top portion / retainer ring on the atmospheric side of the PLR is always 316 Stainless Steel.

The PLR is excellent for use in protecting and isolating safety relief valves. Due to the large opening characteristics, in some sizes an extended outlet holder may be required when installed directly under a SRV. See Table 1 for specifications.



Oseco PLR Rupture Disk

- Sizes available: 1" through 8"
- Excellent for gas or liquid service applications
- Excellent for high cycling service
- Excellent for vacuum service
- Damage resistant due to unique armor construction
- Manufacturing ranges:
 - 0% Range for Pressures \leq 40 psig
 - 0%, 5% & 10% Range-Available $>$ 40 psig
- Rupture Tolerance:
 - \pm 5% for disk ratings $>$ 40 psig
 - \pm 1 psig for disks rated $<$ 15 psig
 - \pm 2 psig from 15 to 40 psig
- Reverse buckling design
- 3-D Tag verifies correct installation
- Non-fragmenting design
- Ideal for safety relief valve isolation. **See Table 1.**
- Non-torque-sensitive design
- Excellent service life in applications operating up to 90% of rated burst pressure

TABLE 1
PRDI Insert Rupture Disk Holder Dimensional Data

Size in Inches	ANSI Rating	O.D.	Overall Height	
			Standard PRDI	PRDI: For Safety Relief Valve Isolation
1"	150 #	2.5"	1.75"	1.75"
1.5"	150 #	3.25"	1.75"	2.75"
2"	150 #	4.0"	1.75"	3.0 "
3"	150 #	5.25"	1.93"	3.9375"
4"	150 #	6.75"	2.31"	5.6250"
6"	150 #	8.62"	2.81"	8.125"
8"	150 #	10.87"	3.43"	10.375"

TABLE 2
PLR: Minimum / Maximum Burst Pressure @ PSIG @ 72°F

Size in Inches	Pressures	Nickel	Monel	Inconel	316 S/S	Hast. C	Minimum Pressure w/Teflon Liner
1	Minimum	12	11	13	12	12	17.5
	Maximum	60	80	56	91	100	-
1.5	Minimum	7	6	10	9	19	11
	Maximum	77	104	116	132	165	-
2	Minimum	8	6	8	6	9	8
	Maximum	50	67	60	92	118	-
3	Minimum	4	3	4	3	4	6
	Maximum	35	42	45	64	96	-
4	Minimum	3	2	3	2	3	4.5
	Maximum	39	50	35	65	91	-
6	Minimum	2	2	2	2	2	3
	Maximum	29	49	40	50	78	-
8	Minimum	2	2	2	2	2	3
	Maximum	30	50	40	50	75	-
Maximum Temp ° F.		750	750	800	800	800	500
Not Available in Aluminum or sizes other than those listed							
Maximum Temperature Allowable with Teflon Liner is 500° F*.							

* Certain types of Teflon have different temperature limitations, PFA is used unless otherwise specified. Temperature maximums are subject to decrease if PFA is not used.

SENSORS

Sensors that can be used with the Oseco PLR are the SVT, AMS and AMSX.

HOLDERS

Holders that can be used with the Oseco PLR are the PRDI and the PRDI(P) insert and insert pre-torqued holders.

The OSECO Advantage...

DELIVERY

Orders for most custom-made products are shipped from Oseco within three weeks of receiving the order. Oseco utilizes its own in-house laser, which allows us to provide reduced delivery times for emergency orders. In most cases, **same-day** service is available!

QUALITY

Only Oseco utilizes single-craftsperson responsibility: Our pride is assured by the maker's signature on each and every order. This, coupled with a quality control program that exceeds the requirements of ISO 9001, assures you that we have supplied you the highest-quality product.

COMPETITIVE PRICING

Oseco's products are the highest-quality industry-wide. They are offered at very competitive pricing and with the fastest delivery available.

BEST OVERALL SERVICE

Our goal at Oseco is to provide you, the customer, with the best delivery, quality, and overall performance for your rupture disk needs.

Let us prove our commitment to this goal—contact your local Oseco representative and ask us for a Rupture Disk Review. Your representative and a factory technician will review all of your rupture disk applications, suggest changes where applicable, and provide you with a competitive quotation guaranteed to save you money, at no charge.

OSECO WILL PROVIDE YOU WITH WHAT YOU NEED MOST...VALUE!!!

Visit the Oseco web site at www.oseco.com, write us at info@oseco.com, or call Oseco toll-free at **1.800.395.disk** for more information or to receive your free Rupture Disk Review



OSECO

A handwritten signature in blue ink that reads "Joe Ragosta".

Joseph M. Ragosta
President, Oseco

Made in the USA Since 1981

Oseco, Inc.

OSECO
1701 West Tacoma, **Broken Arrow, Okla.** 74012, U.S.A.
voice 1.918.258.5626 • fax 1.918.251.7662

EUROPE: OSECO EUROPE BV
Box 23, 8330AA **Steenwijk, the Netherlands**
voice 31.521.522.578 • fax 31.521.510.405

ASIA: HALMA ASIA OSECO DIVISION
Pantech Complex, Block 192 Pandan Loop #501, **Singapore** 128381
voice 65.745.2936 • fax 65.745.0467

www.oseco.com • 1.800.395.disk • info@oseco.com