



*The PCR is Oseco's
compression-loaded,
high-performance
rupture disk.*



PCR

**PRECISION CROSS-SCORED
REVERSE-BUCKLING**

R U P T U R E • D I S K

PCR

PRECISION CROSS-SCORED REVERSE-BUCKLING RUPTURE DISK

The Oseco PCR is a cross-scored, reverse-buckling rupture disk. Reversal occurs when the disk reaches the rated pressure and it opens along the score lines. Since there are no knife blades, the flow is unrestricted.

The PCR is excellent for relief valve isolation (gas/vapor service) and excels in extreme cycling or high vacuum/back-pressure applications.



Oseco PCR Rupture Disk

- Sizes available: 1" through 8"
- Standard materials are 316 Stainless Steel, Inconel-600, Monel-400, Nickel-200/201 and Aluminum. For highly corrosive applications, Teflon liners are available on the process side of the PCR rupture disk.
- Designed for gas or vapor applications only
- Excellent service life in high cycle applications
- Excellent for vacuum service without an additional vacuum support
- Non-fragmenting design
- Excellent service life in applications operating up to 90% of the rated burst pressure
- Non-torque sensitive
- Rupture tolerance:
 - ± 5% for disk ratings > 40 psig
 - ± 2 psig for disks rated ≤ 40 psig
- If damaged or installed incorrectly, the PCR will fail at a maximum of 1.5 times its rated pressure when the disk is free vented.
- Manufacturing ranges:
 - 0%, 5% & 10% manufacturing ranges are available in all standard materials of construction.
 - Note:** For 5% & 10% manufacturing ranges, the total manufacturing range is placed on the minus side of the requested burst pressure.

TABLE 1**PCR Minimum & Maximum Burst Pressure @ PSIG @ 72°F**

Size in Inches	Pressure	316 S.S.	Inconel	Monel	Nickel	Aluminum
1	Minimum	114	132	94	58	70
	Maximum	1250	1250	1260	1260	125
1.5	Minimum	185	86	86	71	55
	Maximum	1150	1150	1025	1025	90
2	Minimum	145	76	75	45	45
	Maximum	1150	1150	1025	1025	75
3	Minimum	140	60	58	49	35
	Maximum	1150	1150	1000	1000	60
4	Minimum	112	47	50	45	30
	Maximum	870	870	800	870	50
6	Minimum	95	45	40	30	25
	Maximum	800	800	700	700	40
8	Minimum	95	45	40	30	-
	Maximum	700	700	700	700	-
Maximum Temp. (°F)		900	900	800	750	250

SENSORS

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

HOLDERS

The PCR is most commonly used in the PRDI non-torque sensitive insert-style holder. The PCR may also be used in the PRDI (P) pre-torqued holder as well as PRDH bolted 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

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