

PRO+KRGL

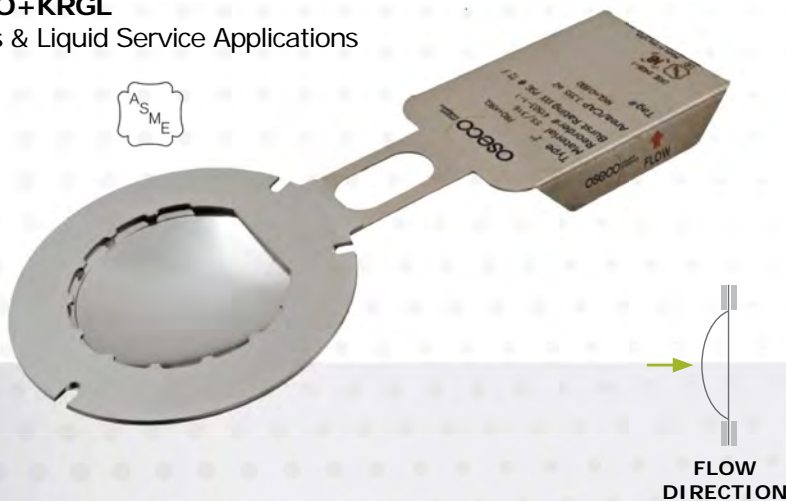
PRECISION REVERSE OPERATING

The Oseco PRO+KRGL rupture disc is designed and manufactured for high performance and demanding rupture disc applications. The PRO+KRGL is a fully opening, perimeter-scored design. This is achieved by Oseco's unique computerized load cell technology. This process yields a high-performance disc to withstand the most difficult applications.

The PRO+KRGL is Oseco's high-performance rupture disc for demanding applications.

- Well suited for high cycling applications
- Ideal for safety relief valve isolation
- Excellent for gas and liquid service
- Non-fragmenting design
- Elevated temperatures up to 900° F
- Withstands full vacuum (14.7 psi) without separate vacuum support
- Fluoropolymer liner available on process side
- Smooth surface on process side to minimize product build-up
- Standard materials of construction: Hastelloy® C, 316 Series Stainless Steel, Nickel, Inconel® 600, and Monel®
- Designed to meet ASME Section VIII standards

PRO+KRGL
Gas & Liquid Service Applications



PRO+
Gas Service Applications



Sizes

1" - 10"

Operating Ratio

95%

K_R Value

PRO+KRGL - K_{RGL} : 0.69

PRO+ - K_{RG} : 0.29

Manufacturing Range

0%



Related Products

SENSORS

AMS
SVT

HOLDERS

PRDI
PRDI-P
PRDH

Certifications

ASME UD
CRN
PED 2014/68/EU
CU/TR 032

Oseco PRO+KRGL Technical Specifications

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

SIZE inches (metric)	MATERIAL	MIN psig (barg)	SAFETY RELIEF VALVE ISOLATION	PRIMARY & SECONDARY RELIEF *
			MAX psig (barg)	MAX psig** (barg)
1" DN 25	316	30 (2.1)	400 (27.6)	1000 (68.9)
	NI	22 (1.5)		
	Inc	30 (2.1)		
	Mon	21 (1.4)		
	Hast C	29 (2.0)		
1.5" DN 40	316	15 (1.0)	400 (27.6)	1000 (68.9)
	NI	14 (1.0)		
	Inc	15 (1.0)		
	Mon	14 (1.0)		
	Hast C	23 (1.6)		
2" DN 50	316	9 (0.6)	300 (20.7)	1000 (68.9)
	NI	8 (0.6)		
	Inc	9 (0.6)		
	Mon	8 (0.6)		
	Hast C	9 (0.6)		
3" DN 80	316	9 (0.6)	200 (13.8)	900 (62.0)
	NI	8 (0.6)		
	Inc	9 (0.6)		
	Mon	8 (0.6)		
	Hast C	9 (0.6)		
4" DN 100	316	9 (0.6)	200 (13.8)	800 (55.1)
	NI	8 (0.6)		
	Inc	9 (0.6)		
	Mon	8 (0.6)		
	Hast C	9 (0.6)		
6" DN 150	316	7 (0.5)	100 (6.9)	750 (51.7)
	NI	6 (0.4)		
	Inc	7 (0.5)		
	Mon	6 (0.4)		
	Hast C	7 (0.5)		
8" DN 200	316	6	25 (1.7)	500 (34.4)
	NI	(0.4)		
	Inc			
	Mon			
	Hast C			
10" DN 250	316	4	15 (1.03)	250 (17.2)
	NI	(0.3)		
	Inc			
	Mon			
	Hast C			

*Minimal fragmentation.

**PRO+ Max Pressure Values may differ slightly.

K_R Values * (Frictional Loss Factor)

K _R	PRO+	PRO+KRGL
K _{RG}	0.29	
K _{RGL}		0.69

Burst Tolerance

+/-5% above 40 psig	+/-2 psig at or below 40 psig
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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
6	28.89
8	50
10	78.9

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your pressure relief questions.
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