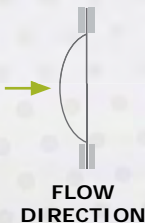
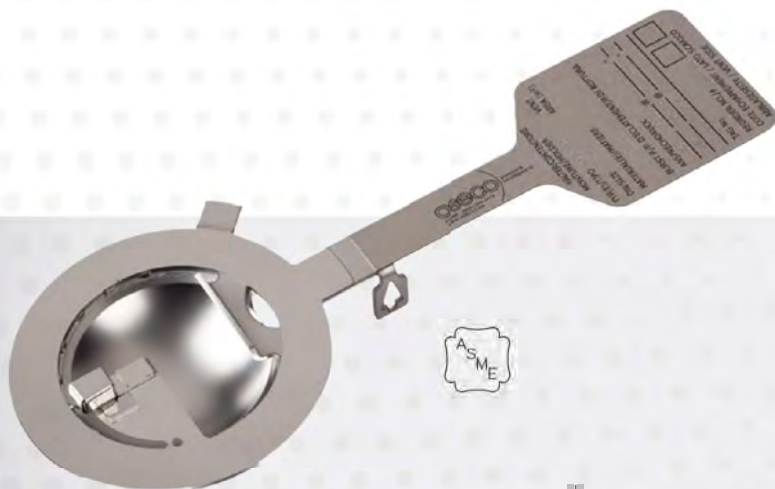


OPTI-GARD

REVERSE BUCKLING RUPTURE DISC

Oseco's Opti-Gard is an advanced rupture disc peripherally scored on the vent side for accurate burst control. With a 95% operating to burst pressure ratio, the Opti-Gard provides a single disc solution across a wide range of sizes and burst pressures. The Opti-Gard offers the highest performance characteristics for liquid, gas or vapor applications.

Available in the Oseco Safety Cartridge™



The Opti-Gard is Oseco's highest performing disc.

- Safety Relief Valve Isolation
- Excellent for gas, liquid and vapor service
- Non-fragmenting design
- Excellent for high cycling applications
- Offers unique non-invasive detection
- Withstands full vacuum
- Standard materials of construction: 316 Series Stainless Steel and Nickel
- Designed to meet ASME Section VIII standards

Sizes
1" - 12"

Operating Ratio
95%

K_R Value
OPR - K_{RGL} : 0.78

Manufacturing Range
0%

Related Products

SENSORS
FLO-TEL+

HOLDERS
OPTI-GARD

ONE PIECE UNIT
OSECO SAFETY CARTRIDGE™

Certifications

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

Opti-Gard Technical Specifications

Opti-Gard Min/Max Burst Pressure @ 72° F (psig) / 22° C (barg)

SIZE inches (metric)	OPR (LOW PRESSURE)		OPK (HIGH PRESSURE)	
	MIN psig* (barg)	MAX psig (barg)	MIN psig* (barg)	MAX psig (barg)
1" DN 25	100 (6.89)	250 (17.24)	100 (6.89)	1160 (79.98)
1.5" DN 40	25 (1.72)	250 (17.24)	100 (6.89)	1087 (74.95)
2" DN 50	15 (1.03)	250 (17.24)	100 (6.89)	1015 (69.98)
3" DN 80	8 (0.55)	200 (13.79)	100 (6.89)	507 (34.96)
4" DN 100	5 (0.34)	175 (12.07)	100 (6.89)	363 (25.03)
6" DN 150	13 (1.03)	100 (6.89)	75 (5.17)	320 (22.06)
8" DN 200	13 (1.31)	100 (6.89)	50 (3.45)	300 (20.68)
10" DN 250	13 (1.31)	100 (6.89)	50 (3.45)	274 (18.89)
12" DN 300	13 (1.31)	100 (6.89)	50 (3.45)	250 (17.24)

*Mins increase with the addition of a Flo-Tel

Free Flow Area/Minimum Net Flow Area (MNFA)

DISC SIZE	OPR (LOW PRESSURE)	OPK (HIGH PRESSURE)
inches	inch ²	inch ²
1	0.78	0.79
1.5	1.69	1.71
2	2.84	2.90
3	6.81	7.03
4	10.96	11.17
6	23.38	24.18
8	44.18	45.46
10	65.05	67.64
12	94.86	99.29

Burst Tolerance

+/-5% above 40
psig

+/-2 psig at or below
40 psig

K_R Values *(Frictional Loss Factor)

K _R	OPR	OPK	OPFTR	OPFTK
K _{RGL}	0.78	1.5	1.7	2.77

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

