

Opti-Gard™

REVERSE OPERATING

OPTI-GARD • RUPTURE DISCS

The Opti-Gard is Oseco's advanced rupture disc

- **Non-torque sensitive**
- **Tested to more than 100,000 cycles**
- **Non-fragmenting design**
- **Manufactured in 316 Series Stainless Steel, Hastelloy® C, Monel®, and Inconel® 600 Series as standard**
- **Full vacuum service**
- **Allows for potential stock reduction of up to 65 percent**
- **Unique in offering non-invasive detection as standard**
- **In place testing available using Test-Tel™**
- **ASME Approved**

Opti-Gard

Peripherally scored on the vent side for accurate burst control, Opti-Gard is an advanced rupture disc. With a 95% operating to burst-pressure ratio and a performance tolerance of 3 percent, Opti-Gard provides a single disc solution across a wide range of sizes and burst pressures. With architecturally engineered burst pressures, Opti-Gard offers the highest performance characteristics for liquid, gas, or vapor applications.



COMMON APPLICATIONS

Relief valve isolation with built in burst detection

OPERATING RATIO

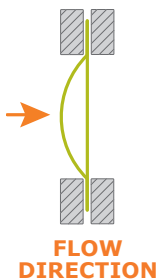
95%

BURST TOLERANCE

±3%

MANUFACTURING RANGE

0%



oseco pressure intelligence

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A HALMA COMPANY

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Related products

SENSORS

Flo-Tel+

HOLDERS

Opti-Gard Holder

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

SIZE (inches)	LOW PRESSURE		HIGH PRESSURE	
	MIN (barg)	MAX (barg)	MIN (barg)	MAX (barg)
1	47 3.24	250 17.24	250 17.24	1160 79.98
1.5	25 1.72	250 17.24	250 17.24	1087 74.95
2	15 1.03	250 17.24	250 17.24	1015 69.98
3	8 0.55	250 17.24	200 13.79	507 34.96
4	5 0.34	175 12.07	175 12.07	363 25.03
6	15 1.03	100 6.89	100 6.89	320 22.06
8	19 1.31	100 6.89	100 6.89	300 20.68
10	19 1.31	100 6.89	100 6.89	274 18.89
12	19 1.31	100 6.89	100 6.89	250 17.24

Performance Tolerance (Zero Manufacturing Design Range)

<65 psig	±2 psig
>65 psig	±3%

Free Flow Area/Minimum Net Flow Area (MNFA)

NORMAL BORE		LOW PRESSURE		HIGH PRESSURE	
inch	mm	inch ²	mm ²	inch ²	mm ²
1	25	0.78	500	0.79	511
1.5	40	1.69	1092	1.71	1102
2	50	2.84	1834	2.90	1870
3	80	6.81	4393	7.03	4535
4	100	10.96	7072	11.17	7208
6	150	23.38	15085	24.18	15601
8	200	44.18	28506	45.46	29327
10	250	65.05	41969	67.64	43641
12	300	94.86	61203	99.29	64055



Let us help you with all your pressure relief questions. Contact Oseco at **800-395-3475** or email us at info@oseco.com.

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