



GRO

GRAPHITE REPLACEMENT

The GRO is an economical alternative to graphite rupture discs

- **Standard sizes 1" to 8" diameter**
- **Standard burst pressures: 2.5 psig to 150 psig**
- **Manufacturing Range: All Oseco GR discs meet a standard zero manufacturing range**
- **Burst Tolerance: $\pm 5\%$ for disc ratings > 40 psig, ± 1 psig for discs rated < 15 psig, ± 2 psig from 15 to 40 psig**
- **UD Stamping Available**
- **Temperature Range: Maximum 500°F for GR and GRR (maximum 420° F for GRO)**
- **Excellent for either gas or liquid service**
- **Fully opening vacuum supports available**
- **ASME Approved**

GRO

Oseco's GRO pressure relief devices provide an economical, high-performance solution to graphite discs. The fluoropolymer-encapsulated stainless steel GR series gives you superior pressure relief protection for the pharmaceutical and chemical process industries.

The GRO is precision-cut by Oseco's unparalleled in-house, five-axis laser to exacting standards, resulting in a precision disc with burst pressures as low as 2.5 psig. The Oseco advantage is the GR's particular suitability for corrosive applications, since it is non-fragmenting, non-torque-sensitive, and highly resistant to corrosion and breakage.

The GRO is excellent for applications where fragmentation is a problem, due to its non-fragmenting design. It is an ideal, economical solution for low-pressure explosion prevention.



COMMON APPLICATIONS

Alternative for low-cost graphite applications

OPERATING RATIO

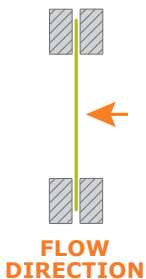
60%

BURST TOLERANCE

$\pm 5\%$ above 40 psig
 ± 2 psig from 15 to 40 psig
 ± 1 psig below 15 psig

MANUFACTURING RANGE

0%



oseco pressure intelligence

EKOTECH PTY LTD PH: 03 9457 3700 FAX: 03 9457 3800 E: sales@ekotech.com.au

Related products

SENSORS

AMS
SVT

HOLDERS

No holder requires. Installs between flanges.

GRO Min/Max Burst Pressure @ 72° F (psig) / 22° C (barg)

PIPE SIZE	BURST PRESSURE			
	MIN (psig) (barg)		MAX (psig) (barg)	
1" DN 25	20	1.4	150	10.3
1.5" DN 40	13	0.9	150	10.3
2" DN 50	10	0.7	150	10.3
3" DN 80	7	0.5	150	10.3
4" DN 100	5	0.3	150	10.3
6" DN 150	3	0.2	100	6.9
8" DN 200	2.5	0.2	100	6.9

Burst Tolerance

±5% above 40 psig	±2 psig from 15 to 40 psig	±1 psig below 15 psig
-------------------	----------------------------	-----------------------

Free Flow Area/Minimum Net Flow Area (MNFA)

Disc Size (Inch)	Net Flow Area (Sq. In.)
1	0.714
1.5	1.606
2	2.856
3	6.426
4	11.425
6	25.706
8	45.699
10	71.405



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

Oseco Inc
1701 W. Tacoma
Broken Arrow Oklahoma 74012 USA
Tel: (918) 258-5626
Fax: (918) 251-2809

