

FLCO

FLCO • RUPTURE DISCS

FLAT LOW-PRESSURE COMPOSITE

The Oseco FLCO is the easy-to-install low-pressure rupture disc

- **Sizes 2"-24"** (consult factory for larger sizes)
- **No special holders required-fits between ANSI RF flanges**
- **Non-torque-sensitive**
- **Bi-directional (has same burst pressure in either direction)**
- **Low-pressure relief**
- **Burst Tolerance: ±5% 40 psig & up, ±2 psig 3 psig up to 40 psig, +2, -0 psig Below 3 psig**
- **Corrosion-resistant fluoropolymer in contact with all process media**
- **Damage-resistant**
- **Choice of gasket materials**
- **Maximum temperature 500° F**
- **Optional integral sensor (FLCOS)**

FLCO

Oseco's FLCO is easy to install and non-torque-sensitive. This low-pressure disc is suggested for applications in which the normal operating pressure does not exceed 50% of the rated burst pressure.

Constructed with a metal center section of Nickel, Monel®, Inconel® 600 or 316 Series Stainless Steel, the section is lined on both sides with a fluoropolymer liner to form a corrosion barrier. Klingsil C-4401 ring gaskets are standard and attached to both sides to form the completed assembly.



COMMON APPLICATIONS

Safety relief valve outlet

OPERATING RATIO

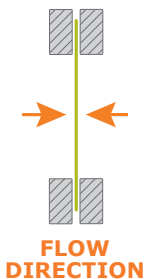
50%

BURST TOLERANCE

Consult Factory

MANUFACTURING RANGE

Consult Factory



oseco pressure intelligence

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A HALMA COMPANY

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Related products

SENSORS

Available in FLCOS with integrated sensor

HOLDERS

No holder required. Installs between flanges.

FLCO Minimum & Maximum Burst Pressure @ 72° F (psig) / 22° C (barg)

PIPE SIZE	BURST PRESSURE				APPROX THICKNESS (inches)
	MIN (psig) (barg)		MAX (psig) (barg)		
2" DN 50	10	0.7	100	6.9	1/8
2.5" DN 65	8	0.6	80	5.5	1/8
3" DN 80	7	0.5	70	4.8	1/8
4" DN 100	5	0.3	55	3.8	1/8
6" DN 150	3	0.2	40	2.8	1/8
8" DN 200	3	0.2	30	2.1	1/8
10" DN 250	2	0.1	25	1.7	1/8
12" DN 300	2	0.1	22	1.5	3/16
14" DN 350	2	0.1	20	1.4	3/16
16" DN 400	2	0.1	18	1.2	3/16
18" DN 450	1	0.1	16	1.1	3/16
20" DN 500	1	0.1	14	1.0	3/16
24" DN 550	1	0.1	12	0.8	3/16
28" DN 600	1	0.1	11	0.8	3/16
30" DN 650	1	0.1	10	0.7	3/16
32" DN 700	1	0.1	10	0.7	3/16
36" DN 750	1	0.1	10	0.7	3/16
Max Temp	500° F	260° C	500° F	260° C	

Burst Tolerance

±5% at or above 40 psig	±2 psig from 3-40 psig	+2, -0 below 3 psig
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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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