

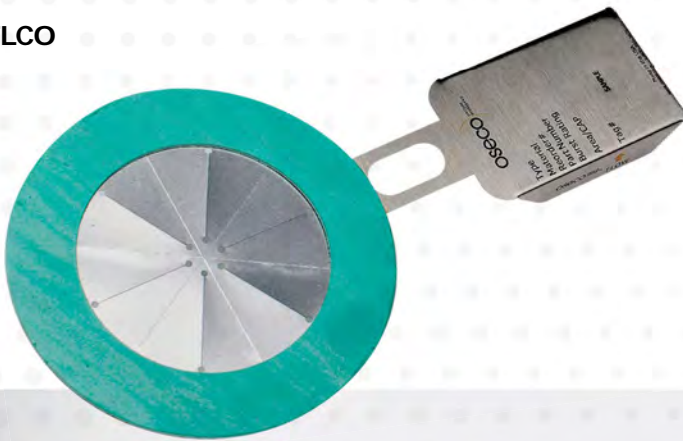
FLCO

FLAT LOW PRESSURE COMPOSITE RUPTURE DISC

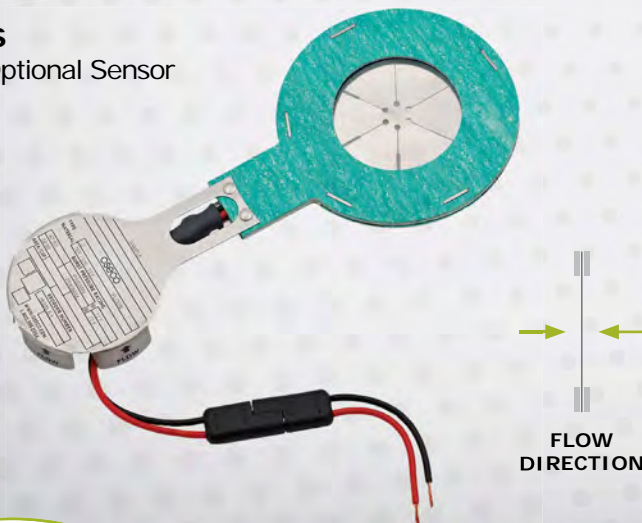
Oseco's FLCO rupture disc is easy to install and non-torque sensitive. This low pressure disc is suggested for applications which the normal operating pressure does not exceed 50% of the rated burst pressure.

Constructed with a metal center section, and lined on both sides with a fluoropolymer liner to form a corrosion resistant barrier. Klingersil C-4401 ring gaskets are standard and attached to both sides to form the completed assembly.

FLCO



FLCOS
With Optional Sensor



Oseco's FLCO is the easy to install low pressure rupture disc.

- Ideal for isolating relief valve outlets from a shared header
- No holders required, fits between ANSI flanges
- Non-torque sensitive
- Bi-directional (has same burst pressure in either direction)
- Low pressure relief
- Corrosion resistant fluoropolymer in contact with all process media
- Choice of gasket materials
- Optional integral sensor (FLCOS) combines overpressure protection and rupture detection.
- Standard materials of construction: 316 Series Stainless Steel, Nickel, Inconel® 600, Monel® and Hastelloy® C

Sizes
2" - 36"

Operating Ratio
50%

FLCOS Electrical Data

Max Voltage: 24V

Max Current: 150 mA

Max Preburst Resistance: 3 Ohms

Cable: 6ft. with PVC connector provided



Related Products

SENSORS
FLCOS

Certifications

PED 2014/68/EU

Oseco FLCO Technical Specifications

FLCO Min/Max Burst Pressure @ 72° F (psig) / 22° C (barg)
Max Temp @ 500° F (psig) / 260° C (barg)

| PIPE SIZE inches (metric) | MIN (psig) (barg) | MAX (psig) (barg) | DISC THICKNESS (inches) |
|------------------------------|----------------------|----------------------|----------------------------|
| 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 |

Burst Pressure and Burst Tolerance

| BURST PRESSURE (psig) | BURST PRESSURE TOLERANCE |
|--------------------------|-----------------------------|
| 1-4 | +2 psig to -0 psig |
| 5-20 | +2 psig to -2 psig |
| 21-40 | +/-4 psig |
| 41 and Up | +/-10% |

*FLCO family rupture discs are typically marked as MIN/MAX burst pressures.

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

