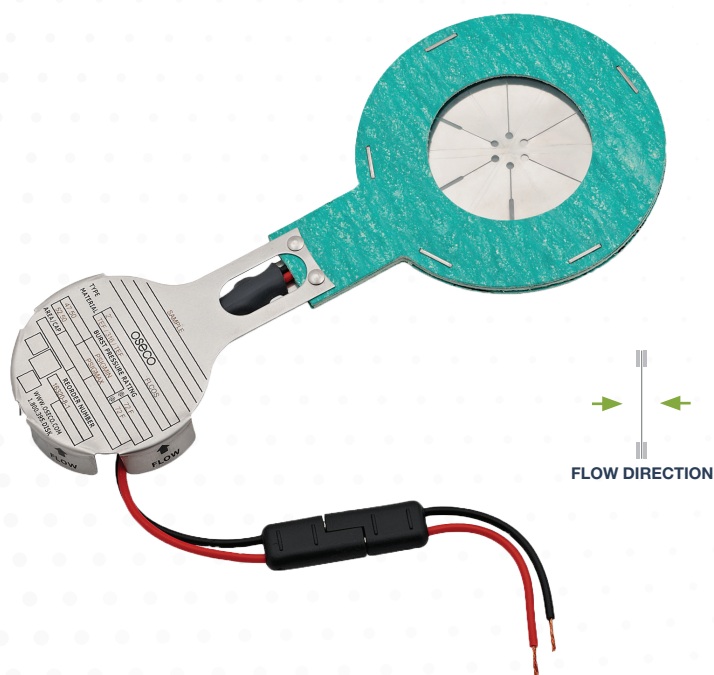


# FLCOS

FLAT LOW-PRESSURE COMPOSITE DISC WITH SENSOR

*Combines overpressure protection and burst detection in a **single, holderless device***



The uni-body construction of the FLCOS makes this device the most rugged and dependable disc+sensor combination on the market, and eliminates the need for a separate disc and sensor.

The FLCOS fits between standard 150# ANSI RF flanges with no need for a holder. As a flat, bi-directional device with the same burst pressure in either direction, it cannot be installed incorrectly.

The FLCOS is suggested for low-pressure applications where the normal operating pressure does not exceed 50% of the rated burst pressure.

**Eliminate installation errors**

**Low pressure**

**High temperature**

**Non-torque sensitive**

**Suitable for relief valve discharge isolation**

**Disc available without sensor (FLCO)**

**Disc available with vacuum support (FLCOV)**

**Let us help you with all  
your pressure relief questions.**

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# TECHNICAL SPECIFICATIONS



|                           |   |
|---------------------------|---|
| Standard materials        | <ul style="list-style-type: none"><li>• 316 Stainless Steel centre membrane simultaneously controls the burst pressure and forms the sensor circuit.</li><li>• Fluoropolymer liners on both sides</li><li>• Klingersil C-4401 ring gaskets on both sides as standard</li><li>• Teflon</li></ul> |
| Cable                     | 6ft with PVC connector provided   |
| Maximum voltage           | 24V AC/DC   |
| Maximum current           | 150 mA  |
| Max. pre-burst resistance | 3 Ohms  |
| Max. Operating Ratio      | 50%   |
| Performance Tolerance     | +/-5%   |
| Torque requirements       | Non-torque sensitive  |
| Protective Linings        | Fluoropolymer linings on both sides form a corrosion-resistant and anti-stick barrier   |
| Relief Valve Isolation    | Suitable for relief valve discharge isolation   |
| Temperature range         | High temperature rating enabled by the fluoropolymer and gasket materials   |

## Burst Tolerance

+/-5% 40 psig and above  
+/-2 psig 3 psig up to 40 psig  
+2, -0 psig below 3 psig

## Related Products

**Rupture Discs**  
FLCO