



# FLCOS

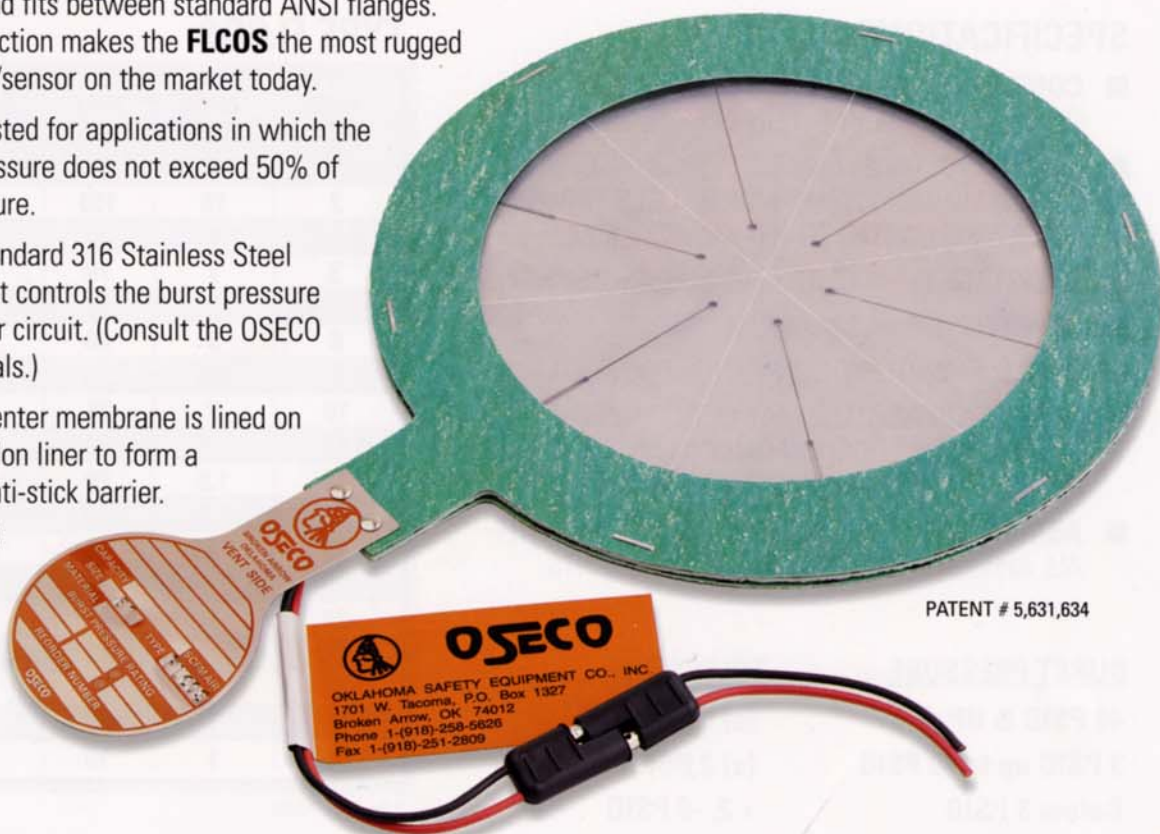
## RUPTURE DISK & SENSOR COMBINATION

The OSECO **FLCOS** is a combination rupture disk and sensor. It is easy to install and fits between standard ANSI flanges. The Uni-body construction makes the **FLCOS** the most rugged and dependable disk/sensor on the market today.

The **FLCOS** is suggested for applications in which the normal operating pressure does not exceed 50% of the rated burst pressure.

The **FLCOS** has a standard 316 Stainless Steel center membrane that controls the burst pressure and is also the sensor circuit. (Consult the OSECO factory for other metals.)

The stainless steel center membrane is lined on both sides with a Teflon liner to form a corrosion resistant anti-stick barrier. Klingersil C-4401 ring gaskets are standard and attached to both sides to form the completed assembly.



PATENT # 5,631,634

### FLCOS: FEATURES, ADVANTAGES AND BENEFITS:

- **NO SPECIAL HOLDERS REQUIRED**  
*Fits between standard 150# ANSI RF flanges.*
- **2 PRODUCTS IN 1**  
*Patented design eliminates need for separate disk & sensor*
- **BI-DIRECTIONAL**  
*Same burst pressure in either direction.  
Can **NOT** be installed incorrectly.*
- **LOW PRESSURE RELIEF**  
*OSECO exclusive.*
- **CORROSION RESISTANT TEFLON IN CONTACT WITH ALL PROCESS MEDIA**  
*Isolates rupture disk from corrosion.  
Cost savings due to combined rupture disk/sensor.*
- **DAMAGE RESISTANT**
- **MAX. TEMPERATURE 500° F**  
*High temperature ratings due to Teflon & gasket material.  
Meets wider range of temperature applications.*
- **RELIEF VALVE DISCHARGE ISOLATION**



# FLCOS

## Rupture Disk/Sensor Combination

### SPECIFICATIONS:

- **CONTINUITY-TYPE SENSOR:** NORMALLY CLOSED; ALARM CONDITION IS AN OPEN CIRCUIT.
- **SUPPLY VOLTAGE:** ANY SUPPLY VOLTAGE i.e. 24VDC, 110VAC, 220VAC MAY BE USED PROVIDED CURRENT IS LIMITED TO 150mA MAXIMUM.
- **RESISTANCE:** MAXIMUM PRE-BURST = 3 OHMS
- **CURRENT:** 150mA MAXIMUM
- **CABLE:** 6" WITH PVC CONNECTOR PROVIDED.
- **SIMPLE APPARATUS:** MAY BE INSTALLED IN A HAZARDOUS LOCATION **ONLY** IN AN INTRINSICALLY SAFE CIRCUIT.
- **ASME CODE:** OSECO MEETS OR COMPLIES WITH ALL APPLICABLE ASME CODE REQUIREMENTS.

### BURST PRESSURE

40 PSIG & UP

3 PSIG up to 40 PSIG

Below 3 PSIG

### TOLERANCE

(±) 5%

(±) 2 PSIG

+ 2, -0 PSIG

ENTIRE MANUFACTURING RANGE IS INCLUDED IN THE BURST PRESSURE TOLERANCE

*For unlisted pressures, gasket material options, and other sizes...please consult factory.*



### TYPE FLCOS

PIPE SIZE (IN)	MIN BP (PSIG)	MAX BP (PSIG)*	APPROX THICKNESS (IN)
2	10	100	1/8
2 1/2	8	80	1/8
3	7	70	1/8
4	5	55	1/8
6	3	40	1/8
8	2.5	30	1/8
10	2	25	1/8
12	1.5	22	3/16
14	1.5	20	3/16
16	1.5	18	3/16
18	1.25	16	3/16
20	1.25	14	3/16
24	1	12	3/16
28	1	11	3/16
30	1	10	3/16
32	1	10	3/16
36	1	10	3/16

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Represented by:

*Quality Products to Meet Industry Needs!*

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