

CMS

CROWNED METAL RUPTURE DISC SENSOR

The Crowned Metal Sensor is designed for use with larger rupture disks, where the disk crown may extend beyond the holder outlet



Our CMS (Crowned Metal Sensor) is used with larger rupture disks, where the disk crown may extend beyond its holder and interfere with standard flat sensors.

The CMS is corrosion-resistant and suitable for temperatures up to 400°F / 204°C. This is achieved by using high-alloy, corrosion-resistant membranes, 316 Stainless Steel and strong cable connections with a shielded, insulated cable.

The CMS is installed on the vent side of a rupture disc assembly. It may be connected to an alarm or other computer-controlled system for fast failure recognition. As the sensor may fragment after the disc bursts, it is essential to ensure it discharges to a safe area. The sensor should not be installed upstream of a relief valve. It is designed to be compatible with our (F)RDI holder.

Supplied ready for installation

Superior chemical resistance

High temperature capability up to 400°F

Can be connected to computer-controlled systems

Immediate burst indication minimizes downtime

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

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TECHNICAL SPECIFICATIONS



Size range	12"-24" / 300 - 600mm
Standard Materials	Gasket: Asbestos-free, synthetic Membrane & Circuit: 316 Stainless Steel, unless otherwise marked (other materials are available on request)
Temperature Range	-50°F to 400°F / -45°C to 204°C
Cable	24 AWG, 2 Conductor, Teflon insulation, Shielded
Cable length	Min/max lengths: 3ft - 32ft / 1m - 10m Standard length: 6ft supplied as standard
Maximum voltage	25.5V
Maximum current	150 mA
Max. pre-burst resistance	20 Ohms
Ci	0.0036μF
Li	12 μH

REQUIRED BURST PRESSURES		
SIZE		MINIMUM BURST PRESSURE
DN (mm)	inches	psig / barg
300	12	4.0 / 0.3
350	14	9.0 / 0.7
400	16	8.0 / 0.6
450	18	7.0 / 0.5
500	20	6.0 / 0.5
600	24	5.0 / 0.4

Certifications

ETL

Related Products

HOLDERS

(F)RDI Insert holder

RUPTURE DISCS

(F)CO
(F)STD