DATASHEET /
TECHNICAL SPECIFICATIONS

OsecoElfab

BURST-TEL

OUR ORIGINAL MEMBRANE BURST DETECTOR

Simple, intrinsically safe and instant *burst detection, suitable for use in the most* **hazardous areas.**

Burst-Tel is our original burst detection system and provides a simple and effective means of identifying when a rupture disc functions.

nstalled on the vent side of the rupture disc, Burst-Tel is activated by fluid flow when the rupture disc functions. This causes the conductive path to break and give an open circuit signal. Following the rupture, Burst-Tel is simply replaced along with the rupture disc.

Burst-Tel is suitable for use in the most hazardous areas and is intrinsically safe and ATEX approved. It must be connected to an intrinsically safe supply.

Instant pressure relief detection

Easy to install

Intrinsically safe

ATEX approved

Compatible with multiple flange ratings EC-Type

Let us help you with all your pressure relief questions.

UK office | *North Shields*
+44 (0)191 293 1234 | uksales@osecoelfab.com

US office | *Broken Arrow*
+1 (918) 258 5626 | info@osecoelfab.com

osecoelfab.com

TECHNICAL SPECIFICATIONS

Size range	1" - 20" (25mm - 500mm)
Minimum pressures required	0.07 barg (1 psig) – 0.7 barg (10 psig)
Temperature range	-20°C to 175°C (-4°F to 347°F)
Standard materials	Polyamide membrane with an insulated, electrically conductive path mounted between supporting rings
Product markings	II 1GD, EEx ia IIB
Cable length	2m
Design Standards	Complies with EN 50014:1997 + Amds 1 & 2, EN 50020:2002 and EN 50284:1999

Values for intrinsically safe connection

U_i = 25V
I_i = 125mA
P_i = 0.78W
L_i = 2.2µH
C_i = 2nF

T6 (Ta = -20°C to +60°C)
T5 (Ta = -20°C to +80°C)
T4 (Ta = -20°C to +110°C)
T3 (Ta = -20°C to +175°C)

Certifications

ATEX (CE)
UKEx (UKCA)
IECEx
SIL

Related Products

Rupture Discs
GRAPHITE G2

Minimum Operating Pressures

barg (psig) @ 20ºC (68ºF)

SIZE		THICKNESS		MINIMUM PRESSURE
DN (mm)	inches	mm	inches	
25	1	3	1/8	0.7 (10)
40	1.5			0.48 (7)
50	2			0.28 (4)
65	2.5			0.21 (3)
80	3			0.14 (2)
100	4			0.10 (1)
150	6			0.07 (1)
200	8	10	3/8	0.07 (1)
250	10			0.07 (1)
300	12			0.07 (1)
350	14			0.07 (1)
400	16			0.07 (1)
450	18			0.07 (1)
500	20			0.07 (1)