


Burst Tel (BT)

(previously known as BT/BTS)



Burst-Tel provides a simple and effective means of identifying when a bursting disc functions. It comprises a polyamide membrane onto which is bonded an insulated, electrically conductive path mounted between supporting rings.

Installed on the vent side of the bursting disc device, Burst-Tel is activated by fluid flow when the bursting disc functions, causing the conductive path to break and give an open-circuit signal. Following the disc burst, Burst-Tel is simply replaced along with the bursting disc.

- Instant pressure relief detection
- Suitable for many installations
- Easy installation
- ATEX approved  II 1GD EEx ia IIB.T3T6
- EC-Type Examination Certificate ITS04 ATEX 21885

Burst-Tel can be compatible with bursting disc devices from other manufacturers, whether manufactured from graphite or metal, and can be used with other relief devices. Retro-fitting is easily achieved as the nominal thickness of the Burst-Tel assembly is only 3mm(1/8") for bursting discs up to 100mm(4") and 10mm(3/8") above 100mm (4") nominal size, with Exfoliated graphite membrane. When installing a Burst-Tel it must not contact the dome of the disc. A Burst Tel must be connected to an intrinsically safe supply.

Minimum Operating Pressure in barg (psig) AT 20 °C (68°F)

	25	40	50	65	80	100	150	200	250	300	350	400	450	500
<i>Nominal Bore mm / (inch)</i>	25 (1)	40 (1 ½)	50 (2)	65 (2 ½)	80 (3)	100 (4)	150 (6)	200 (8)	250 (10)	300 (12)	350 (14)	400 (16)	450 (18)	500 (20)
<i>Thickness mm / (inch)</i>	3 (1/8)	3 (1/8)	3 (1/8)	3 (1/8)	3 (1/8)	3 (1/8)	10 (3/8)	10 (3/8)	10 (3/8)	10 (3/8)	10 (3/8)	10 (3/8)	10 (3/8)	10 (3/8)
<i>Min. Pressure</i>	0.70 (10)	0.48 (7)	0.28 (4)	0.21 (3)	0.21 (3)	0.14 (2)	0.10 (1)	0.07 (1)	0.07 (1)	0.07 (1)	0.07 (1)	0.07 (1)	0.07 (1)	0.07 (1)

ELECTRICAL INFORMATION	TEMPERATURE LIMITS
Burst-Tel should be connected to an Intrinsically safe supply that is compatible with values: U _i = 50v. I _i = 125mA. P _i = 0.78W. Supplied with a 2m cable.	-20°C (-4°F) to +175°C (347°F)

Pressure Intelligence

The data shown on these sheets represents the standard offering from Elfab. Depending upon the requirements of your application, Elfab maybe able to provide a solution based on this product but outside the standard operating parameters. In addition, Elfab produces an extensive range of alternative products which maybe more suitable for your requirements.

As a result of extensive testing, Elfab can advise on these choices, or on other technical matters, such as discharge requirements, temperature testing, material selection and corrosion resistance, customised designs and burst detection.

To discuss your specific product or service requirements please contact your Elfab representative.



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