

# ZOOK<sup>®</sup> RDI Rupture Disc Indicator

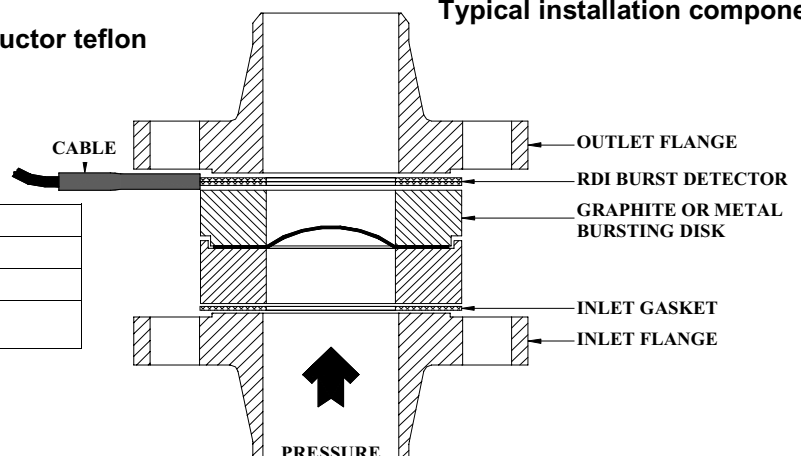
## For Metal and Graphite Bursting Discs

### Features

- May be used for remote burst indication for most metal or graphite bursting disc installations
- Available in 25mm to 600mm nominal sizes to suit a variety of flange ratings
- Early indication of burst minimises waste of product and environmental damage from release of harmful process fluids
- Simple installation, fits in place of normal outlet (vent side) gasket (5mm installation gap required)
- Good chemical resistance
- Supplied with non asbestos gaskets as standard (other gasket materials available)
- Burst is detected by breakage of silver conductor element which is printed to the chemically resistant polyimide detector membrane. Signal may be used to activate a variety of alarm or control equipment
- Signals instantly when the bursting disc ruptures
- The sensor is classified as a simple apparatus and may be used in a hazardous environment provided that it is used in conjunction with intrinsically safe certified electrical apparatus and installed and maintained to meet all other requirements of an intrinsically safe installation
- Comes complete with 2m 24 AWG 2 conductor teflon insulated shielded connection cable



Typical installation components



### Electrical Data

Max Preburst Resistance	20 $\Omega$
Max Voltage	24 V AC/DC
Max Current	150mA
Temp Range	-40 to +200° C

### Minimum Burst Pressure required to activate sensor (barg)

Nominal Size (mm)	25	40	50	80	100	150	200	250	300	350	400	450	500	600
Min Burst (barg)	0.34	0.34	0.34	0.21	0.14	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Sensor Thck (mm)	5	5	5	5	5	5	5	5	5	5	5	5	5	5



**ZOOK EUROPE LTD**

Unit 33 Dinnington Business Centre  
Colliery Close, Outgang Lane  
Dinnington, Sheffield, S25 3QX, UK

Tel 0044 (0) 1909 560999  
Fax 0044 (0) 1909 560860  
E mail [zookeurope@zook.cc](mailto:zookeurope@zook.cc)  
Web [www.zook.cc](http://www.zook.cc)