

Integral Burst Indication for Flat Seated Metal Rupture Disks

Over-pressure or discharge indication for metal rupture disk installations. The BI Integral Burst Indicator is a simple and effective means of indicating when the process media ruptures a disk.

Operation

The BI is integrated into the vent side of the rupture disk assembly. Upon rupture of the disk, the BI alarm circuit is opened.



Example of the BI Integral Burst Indicator on a ZOOK Rupture Disk

Features

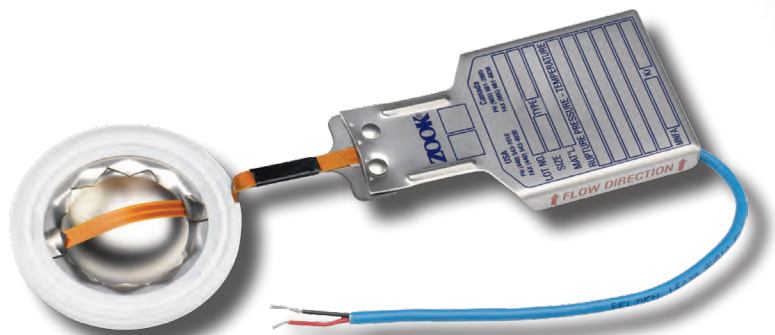
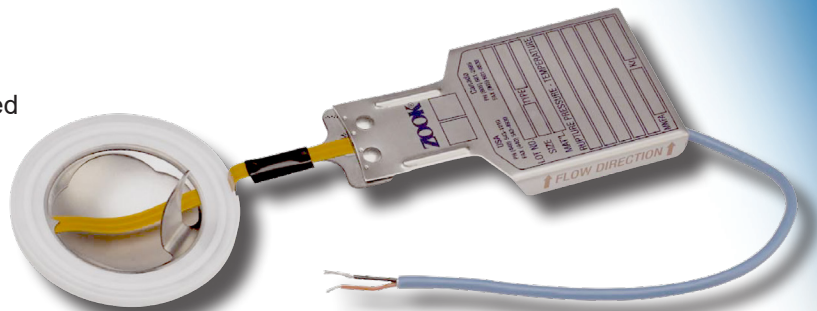
- Less affected by back pressure from common discharge manifolds
- Compatible with most ZOOK flat-seat metal and sanitary rupture disks
- Classified as a simple apparatus and may be used in a hazardous environment. Must be used in conjunction with intrinsically safe certified electrical apparatus and installed & maintained to meet all other requirements of an intrinsically safe installation & local codes
- Cost effective against traditional remote membrane type detectors, especially in larger sizes
- Reduces stock inventory by incorporating the burst indicator and disk into a single unit
- Supplied complete with 2 m signal cable

Materials

Membrane – Kapton®

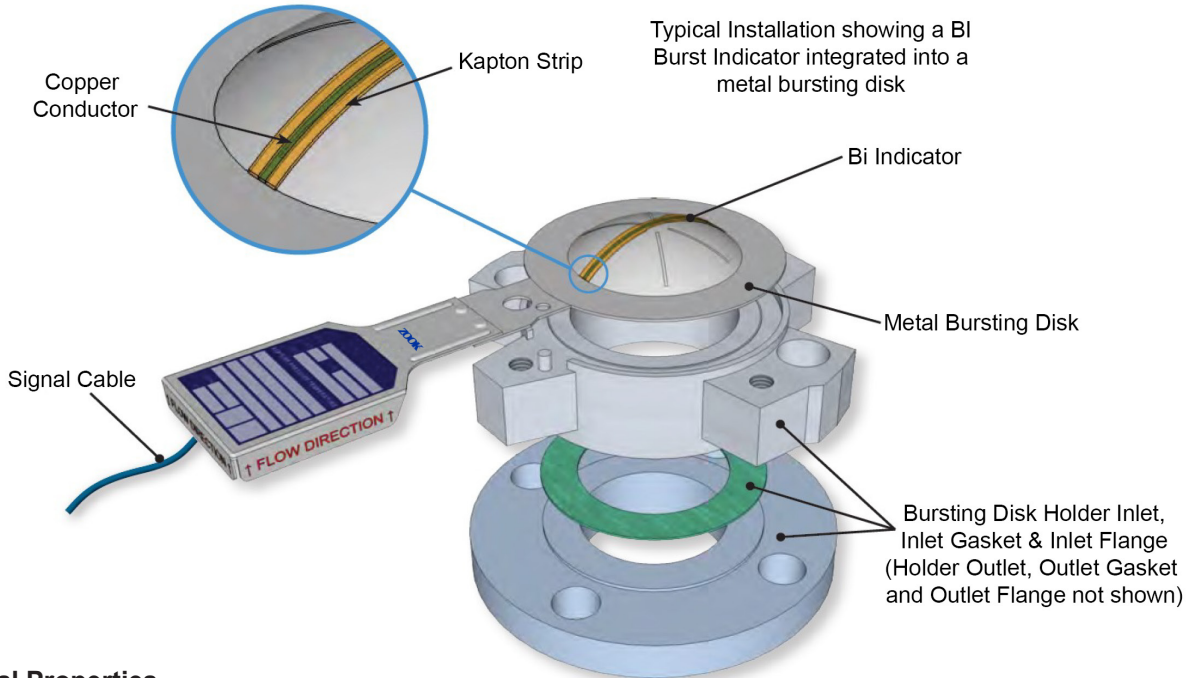
Conductive material – Copper

Leadwire – 2 m, 24 AWG, 2 conductor



Examples of BI Indicator on
ZOOK Sanitary Rupture Disks

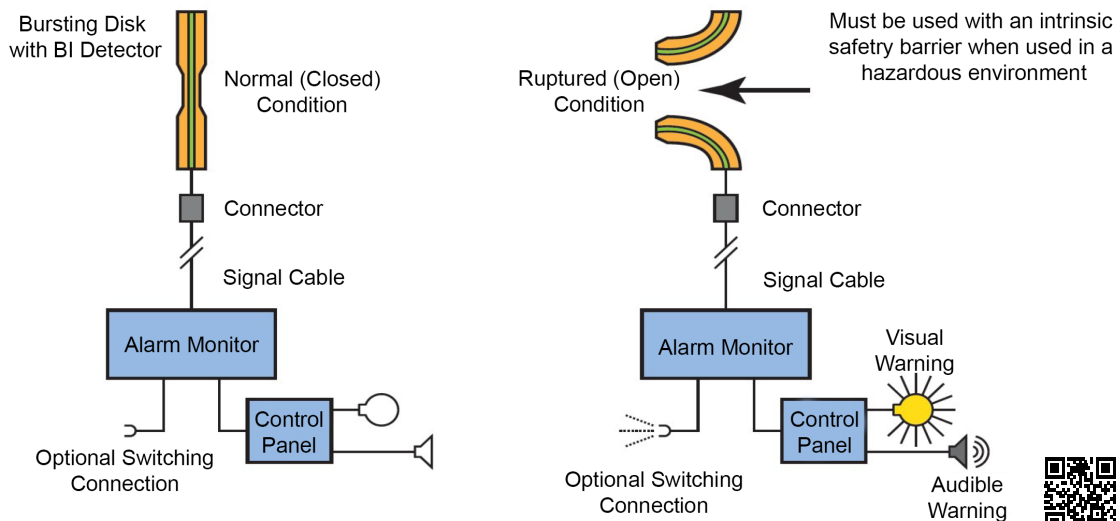
BI Series Specifications



Electrical Properties

Maximum Pre-Rupture Resistance	20 Ω	Maximum Voltage	24 V DC
Temperature Range	-40 to 400°F (-40 to 204°C)	Maximum Current	50 mA

Operating Schematic



BI_022020

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