Over pressure indication for rupture disk or relief valve applications
When a pressure surge causes a relief valve to open, it also destroys the rupture disk under the valve. This leaves the valve vulnerable to chemical attack. The BA Burst Sensor reduces this threat by constantly monitoring the disk. When connected to an electrical alarm, the BA Burst Sensor alerts personnel to take immediate action to protect system components from further damage.

Operation
When a disk bursts, flow pulls one end of the BA Burst Sensor’s conductor out of its retaining slot and opens the electrical circuit. The BA Burst Sensor can be reset by re-inserting the conductor into the retaining slot.

Features
- Re-useable
- Sizes 1” thru 24”
- Electrically conductive
- Installs on vent side of the disk holder or alone
- Requires minimal flange face-to-face clearance
- Adapts to virtually all makes/types of rupture disks, including Graphite types
- Fits easily into existing pipe systems
- Optional leak detection (BA-LD) for damaged rupture disks or fugitive emissions from relief valves or atmospheric designed systems
- BA-LD functions with or without a rupture disk

Specifications

<table>
<thead>
<tr>
<th>Disk Size</th>
<th>Minimum Burst Pressure* PSI @ 72°F (22°C)</th>
<th>Nominal Indicator Thickness</th>
<th>Thickness with Optional LD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” - 2”</td>
<td>5</td>
<td>3/16”</td>
<td>1/4”</td>
</tr>
<tr>
<td>3”</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4”</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6” - 24”</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Applies to both BA and BA-LD

Ordering Information
When ordering BA Series, specify: flange size, flange series, relieving pressure or pressure relief device, and coincident temperature

Note: BA and BA-LD is considered a simple device, therefore, approval is not required. Installation must be in accordance with ANSI/ISA RP12.6 and the NEC (ANSI/NFPA 70)
Optional Leak Detector (LD) for BA Burst Sensor

For optional leak detection specify BA-LD. The LD is a TFE seal affixed between two gaskets. When installed on the BA a build-up in pressure causes the BA Burst Sensor Conductor to pull out of its retaining slot and opens the electrical circuit.

Note: Max. Temperature of 500°F (260°C) Limitation of liner material

The LD is always installed on the pressure side of the BA.