BS&B FlameSaf™ flame arresters embody superior design characteristics and are third-party tested to the latest standards in order to provide state of the art explosion protection. Utilizing the flame arrester elements to extinguish the flame, FlameSaf flame arresters are widely used to protect tanks, piping and other systems against deflagrations and detonations. Consult your local BS&B representative or call us for consultation on your safety concerns.

**Features**
- In-line deflagration arrester / in-line detonation arrester
- Stable / Unstable detonation
- Short time burning
- Low pressure drop
- Various options available for high operating pressure and temperature
- Available in nom. Diameter: DN50 (2”) – DN600 (24”)
- Additional sizes available on request

**Protection**
- Gas/air or vapour / air-mixtures for explosion groups up to and including IIC (NEC Group B), MESG < 0.5mm
- Temperature Sensor – resistance thermometer with protection type
  - Inherently safe (EEx i)
  - Pressure Resistant Enclosure (EEx d)

**Connection Type**
- ISO 7005-1 / ASME B16.5
- ANSI B16.5
- Other types available upon request

### Materials of Construction

<table>
<thead>
<tr>
<th></th>
<th>Stainless Steel</th>
<th>Hastelloy</th>
<th>Carbon Steel</th>
<th>Ductile Iron</th>
<th>Other Materials on request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Foil Element</td>
<td>✓</td>
<td>✓</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
</tr>
<tr>
<td>Housing of Metal Foil Element</td>
<td>✓</td>
<td>✓</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
</tr>
<tr>
<td>Body / Cover</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

**EC Type Examination**

<table>
<thead>
<tr>
<th>Designation</th>
<th>933–S 50 to 600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective System</td>
<td>Short time burning deflagration, stable and unstable detonation flame arrester for explosion groups up to and including IIC (NEC Group B)</td>
</tr>
</tbody>
</table>

© 2020 August, BS&B FlameSaf™ Limited

Products, specifications and all data in this literature are subject to change without notice. Questions regarding product selection and specifications for specific applications should be directed to BS&B. All sales are subject to the BS&B companies’ standard terms and conditions of sale. Nothing herein should be construed as a warranty of merchantability or fitness for a particular purpose.