Drawing on extensive experience in the pressure safety management field, the BS&B FlameSaf® vacuum relief vent offers a dependable, internationally certified and precisely engineered design to prevent excessive vacuum build-up and implosion of valuable tankage during excess vacuum situations. The valve features a light-weight, compact design, are expertly engineered to respond to even minimal changes in vacuum. Consult your local BS&B representative or call us for consultation on your safety concerns.

Features
- Bottom-mount design
- Suitable for normal vacuum relief
- Complies with API 2000 Seventh Edition / EN ISO 28300
- Certified to ATEX – Directive 2014/34/EU
- Weight-loaded pallet design; intake from atmosphere
- Achieves full open (flowing pressure) at just 10% overvacuum
- Provides premium sealing with FEP diaphragms (metal-to-metal available for special requirements or higher settings)
- Leakage rates much tighter than API 2000/EN ISO 28300 requirements
- Screen protects valve internals from environment and contamination
- Pallet, seat & stem-guide made from stainless steel
- Modular design reduces requirements for inventory of spare parts
- Available in nom. diameter 2” – 12”

<table>
<thead>
<tr>
<th>Materials of Construction</th>
<th>Carbon Steel</th>
<th>Stainless Steel</th>
<th>Others on request</th>
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</thead>
<tbody>
<tr>
<td>Body</td>
<td>✓</td>
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<td></td>
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<tr>
<td>Seat</td>
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<tr>
<td>Pallet</td>
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<td>Diaphragm</td>
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<td>FEP</td>
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<tr>
<td>Seal</td>
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</tbody>
</table>

Flange Connection Type
- EN or DIN: ISO 7005-1
- JIS B 2220
- ASME B16.5

Valve Settings
- Vacuum: -2.5 to -70mbarg

Operating Conditions
- Maximum temperature rating up to 80% of ignition temperature of stored medium.

Protection
- Gas/air or vapour/air mixtures II 1/2 G Ex h IIB TX

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