



Model 945

Pressure and Vacuum Relief Valve

BSBflamearrester.ie | BSBsystems.com

Visit our website for the most complete, up-to-date information

The BS&B FlameSaf® breather valves offer a reliable, proven and efficient solution for protecting your personnel and plant without disrupting the operation. Drawing on our extensive experience in the industry, the 945 series of weight loaded pressure and vacuum breather valves for vessels and storage tanks offer a dependable, internationally certified and precise solution to regulate pressure, protecting vessels and storage tanks from overpressure and underpressure situations. Precision engineering means less leakage and lost product. Suitable for flammable liquids, the 945 series is fully certified in accordance with the ATEX Directive 2014/34/EU. The 945 series also features a modular design for ease of maintenance and lower stock requirements for spare parts. Consult your local BS&B representative or call us for consultation on your safety concerns.

Features

- Suitable for normal pressure and vacuum relief
- Complies with API 2000 Seventh Edition / EN ISO 28300
- Certified to ATEX – Directive 2014/34/EU
- Weight-loaded stacked pallet design; discharges to atmosphere (guidance is internal to the valve body protecting from freeze-up during inclement weather)
- Achieves full open (flowing pressure/vacuum) at just 10% overpressure. Other overpressure settings available on request.
- 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
- Weather-hood and screen protect pallets/seats from environment and contamination
- Pallets, seats & stem-guides made from stainless steel
- Modular design reduces requirements for inventory of spare parts
- Available in nom. diameter 2" – 12"

Materials of Construction			
	Carbon Steel	Stainless Steel	Others on request
Body	✓	✓	
Seat		✓	✓
Pallet		✓	✓
Diaphragm		✓	FEP
Seal	NBR, FPM, EPDM, FEP		✓



Model 945 Pressure and Vacuum Relief Valve

Flange Connection Type

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

Valve Settings

- Pressure: +2.5 up to +70mbarg
- 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 IIBT1... T6 Ga/Gb

Limerick, Ireland

T: +353 61 517000
F: +353 61 309689
E: info@bsbflamearrester.ie

Düsseldorf, Germany

T: +49 211 930550
F: +49 211 3982171
E: info@bsbsystems.de

Houston, TX USA

T: +1 713 682 4515
F: +1 713 682 5992
E: sales@bsbsystems.com

Seoul, Korea

T: +82 2 3782 4591
F: +82 2 3782 4555
E: sales@bsbsystems.kr

Den Haag, Netherlands

T: +31 70 362 2136
F: +31 70 360 4724
E: info@bsbsystems.nl

Manchester, UK

T: +44 0 161 955 4202
F: +44 0 161 870 1086
E: sales@bsb-systems.co.uk

Shanghai, China

T: +86 21 6391 2299
F: +86 21 6391 2117
E: sales@bsbsystems.com

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.