



Model 945-PA-E

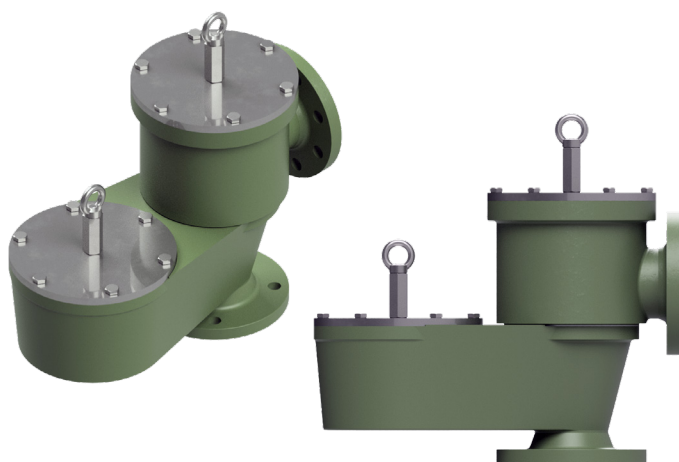
Catalog # 77-9029

Pressure and Vacuum Relief Valve with pipeaway connection and atmospheric deflagration protection.

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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-PA-E 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 under pressure situations. Precision engineering means less leakage and lost product. Suitable for flammable vapors, the 945-PA-E Series is fully certified in accordance with the ATEX Directive 2014/34/EU. The 945-PA-E 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.



Flange Connections

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

Valve Settings

- Pressure: rated from 2.5 to 70 mBarg
- Vacuum: rated from -2.5 to -70 mBarg

Operating Conditions

- Maximum temperature rating up to 60°C or 80% of the ignition temperature of the stored medium whichever is lower.

Protection

- Gas/air or vapour/air mixtures IIA and IIB3. Others available on request.

Features

- Suitable for pressure and vacuum relief.
- High flow capacity
- Provides protection against atmospheric deflagrations for explosion groups up to and including IIB3 (NEC Group C). ATEX certified to EN ISO 16852: 2016.
- Complies with API 2000 Seventh Edition / EN ISO 28300.
- Weight-loaded offset pallet design; discharges to outlet pipe (guidance is internal to the valve body protecting from freeze-up during inclement weather).
- Achieves full opening (flowing pressure/vacuum) at only 10% overpressure. Other overpressure settings available on request.
- Provides premium sealing with FEP diaphragms (metal-to-metal available for special requirements).
- Leak tightness exceeds API 2000 / EN ISO 28300 requirements.
- Pallets, seats & stem-guides made from stainless steel.
- Pipeaway design prevents emission losses.
- Nominal sizes 2" to 12" (50mm to 300mm) available.

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A full list of global contacts for this product can be found at the www.bsbflamearrester.ie and www.bsbsystems.com websites.

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