



# Model 943-VM

## Vacuum Relief Valve

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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"



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

### 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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