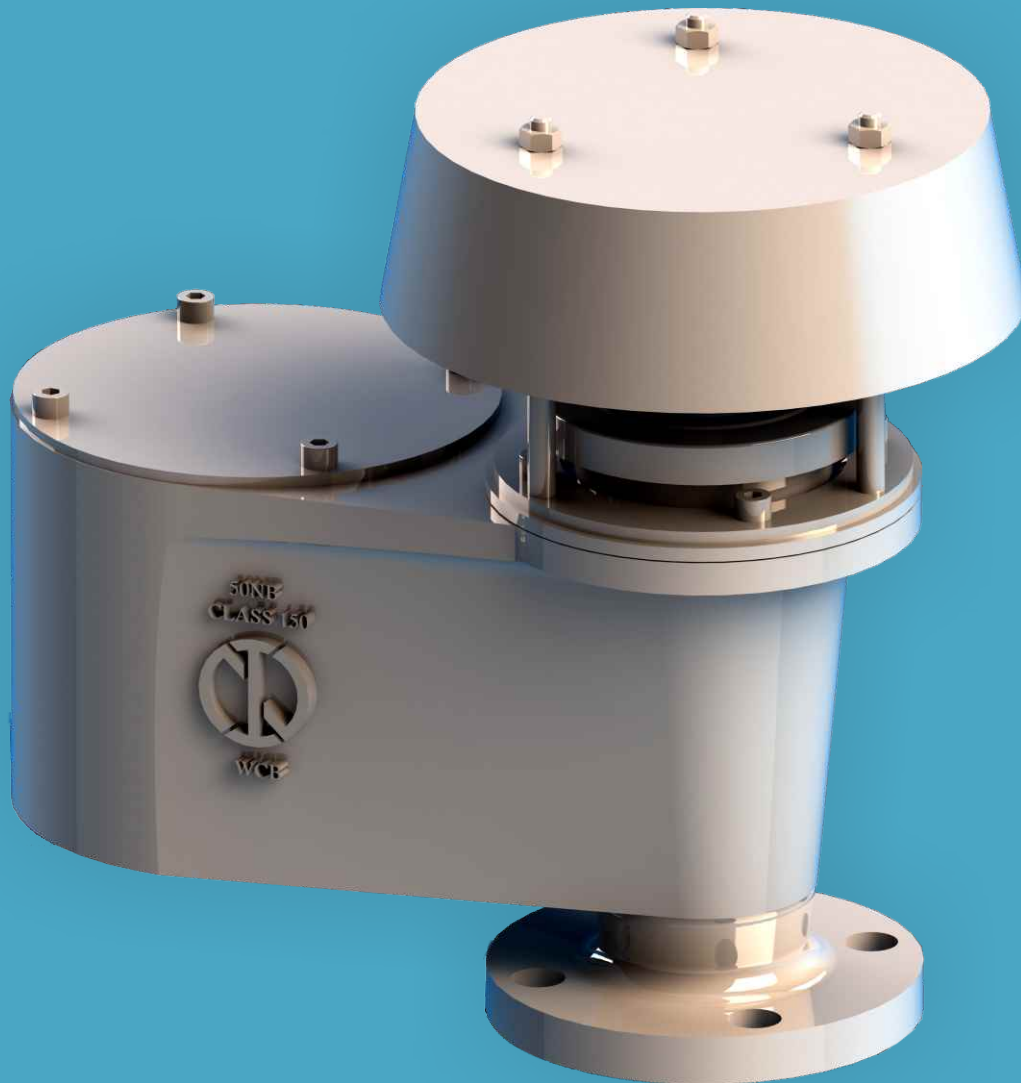


PRESSURE CUM VACUUM RELIEF VALVE

BV-100 SERIES

Nirmal ™

Expertise that delivers



INTRODUCTION

BV-100 & BV-101 series valves are highly developed pressure and vacuum relief valves with excellent flow performance. These valves are useful as relief valves for atmospheric tanks and vessels in which solvents are filled & drawn at a high flow rate. This valve is installed in the in-and out breathing lines of tanks, vessels and process equipments to protect against unpredicted fluctuations in pressure & vacuum. By retaining toxic vapors and avoiding atmospheric contamination, these valves provide increased fire protection and safety.

Pressure cum vacuum relief breather valves are designed to protect tanks from possible casualty due to over pressure created by thermal expansion and product movement into the tank and excessive vacuum created by thermal contraction and product movement out of the tank. At the same time it minimizes costly product evaporation / loss. Continued design improvements of these valves provide high efficiency, maximum flow capacity and minimum leakage.

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Email info@nirmalindustries.com
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PRESSURE CUM VACUUM RELIEF VALVE

BV-100 SERIES

FEATURES

- “Full Lift Type” technology valve utilizes only 10% overpressure to reach full lift
- Very high flow capacity
- Extreme tightness and hence least possible product losses and reduced environmental pollution
- The valve body is self draining to keep condensates away from the seating surfaces
- Can be used in areas subject to explosion hazards
- The valve pallet is guided within the body to protect against harsh weather conditions
- Easy Installation
- The easily serviceable configuration and lightweight construction reduces maintenance and installation costs.
- Specially designed elastometric seating contributes to high resistance to cohesion of ice and gum formations, thus ensuring protection against pallet sticking to the seating surface

SPECIFICATIONS

- **Body Size & Ratings :**
Flanged: 2", 3", 4" (Higher sizes on request)
ANSI B16.5 Class 150
 - **Relief Set Pressure :** 20 mmWCg to 600 mmWCg
 - **Set Vacuum :** -20 to -600 mmWCg
 - **Body :** ASTM 216 Gr. WCB (Std), A351 Gr. CF8, A351 Gr. CF8M, A351 Gr. CF3, A351 Gr. CF3M
 - **Internal Trim Parts* :** A479 Gr. SS316 (Std)
- * NACE & other special material available on request.
- **Disc :** Nitrile (Standard), Neoprene, EPDM, Viton, PTFE, FEP
 - **'O' Rings :** Nitrile (Standard), Neoprene, EPDM, Viton, PTFE, FEP
 - **TEMPERATURE CAPABILITIES :** - 45° C to 200° C with different elastomeric parts.

PRODUCT VARIATIONS

BV-100 SERIES (HOOD TYPE)



BV-101 SERIES (PIPE AWAY TYPE)

