

SEMPELL SAFETY VALVE

MODEL VSE AND VSR

Direct spring-operated safety relief valve with DIN flanges, ASME flanges or welding end connections



FEATURES

- Fully flexible connections: DIN and ASME flanges, threaded, welding ends
- Pop action
- Mechanical lift stop ensures functional stability
- High allowable back pressure
- Available with actuator for use as pneumatic operated safety valve
- One-piece spindle design

GENERAL APPLICATIONS

The Sempell Model VSE/VSR safety valves are the proven solution for comprehensive overpressure protection from very basic to the most demanding applications since more than half a century. In the past the VSE/R was also manufactured as Triangle Controls Brand in UK besides the original Sempell brand. This type of valve is widely used in power industry, refineries, chemical and petrochemical plants and pulp and paper mills.

TECHNICAL DATA

| | |
|-------------------|--|
| Size inlet: | DN 25 - DN 200 NPS 1 - NPS 8 |
| Pressure rating: | PN 10 - PN 500 class 150 - class 2500 |
| Temperature: | -196 °C to +600 °C -300 °F to +1100 °F |
| Set pressure: | 0.5 - 500 bar |
| Orifice diameter: | 13 - 125 mm |
| Design: | VSE1 open bonnet VSE2 conventional VSE4 weight loaded for small pressures VSE5 balanced bellows VSR with adjustable blowdown |
| Body material: | 1.0619/SA216 WCB 1.7357/SA217 WC6 1.4308/SA351 CF81.4581/ SA351 CF8MC 1.6220/SA352 LCC Other materials on request |
| Accessories: | Cooling spaces, balance piston, lifting lever, test gag, position indicator, soft seat |

Neither Emerson, Emerson Automation Solutions, nor any of their affiliated entities assumes responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user.

Sempell is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. Emerson Automation Solutions, Emerson and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson.com/FinalControl