



SEMPPELL 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

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