



SEMPPELL PILOT OPERATED SAFETY VALVE

MODEL VS99 OPERATED BY STEAM PILOTS VS66 AND/OR SOLENOID PILOTS EMS

Medium operated safety valve for extra large capacities.
Preferred solution for Russian GOST boiler applications



FEATURES

- High tightness, because system pressure acts in closing direction
- Small opening and closing pressure differences
- Blow down widely adjustable
- High setting accuracy and reproducibility
- Function nearly independent from pressure losses in connected pipes
- Opening of the safety valve also below set pressure possible
- Test setting of safety valve during normal plant operation
- Test of the control function without opening of the safety valve

GENERAL APPLICATION

Sempell pilot operated safety valves are the proven solution for comprehensive overpressure protection on steam safety applications since more than half a century. With the safety valve VS99 together with the control equipment STE a TÜV type tested safety device is available. The STE1, STE2 or STE3 results of different combinations of spring loaded pilot valve VS66 and solenoid pilot valves EMS and control units A134, A135 and A137. At least two control paths act in closed circuit principle. The third path can either act in closed circuit or in open circuit principle.

TECHNICAL DATA

Size inlet:	DN 80 - DN 750 NPS 3 - NPS 30
Connections:	Welding end
Temperature:	Up to 600 °C / 1100 °F
Set pressure:	5 bar - 320 bar
Orifice diameter:	44 mm - 438 mm
Body material:	1.0460/SA105 1.7335/SA182 F12 1.7380/SA182 F22 1.4903/SA182 F91
Accessories:	Position indicator, vacuum spring

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