



SEMPPELL HIGH PRESSURE SAFETY VALVE

MODEL SOH

High pressure safety valve for boiler protection with welding end or flanged connections



FEATURES

- High tightness up to set pressure due to supplementary load
- Smooth operation (no forces by popping)
- Rigid body design
- Self-aligning spring assembly
- Low friction, spring compression
- Mechanical lift stop ensures functional stability
- Locking for hydrostatic test without additional parts
- High allowable back pressure

GENERAL APPLICATION

The SOH is designed for boiler protection for the use on drum, superheater and reheater.

It is type-tested for use with steam, gases and liquids (German TÜV, American NB and Chinese SEL0).

The SOH is typically applicable as controlled safety pressure relief system acc. EN ISO 4126-5 in operation with control unit STE4 or STE5.

In reheater applications the SOH can be used as relief valve during sliding pressure operation of the boiler.

The high pressure safety valve is available as closed bonnet (SCH) and balanced bellows (SBH) type.

TECHNICAL DATA

Size inlet:	DN 40 - DN 250 NPS 1½ - NPS 10
Temperature range:	Up to +700 °C / +1300 °F
Set pressure:	10 - 320 bar
Orifice diameter:	17.5 - 160 mm
Design:	Open bonnet, balanced piston, pneumatically assisted
Body material:	1.0460/SA105 1.0619/SA216 WCB 1.7335/SA182 F12 1.7357/SA217 WC6 1.7380/SA18 F22 1.7379/SA217 WC9 1.4903/SA182 F91 1.4901/SA182 F92 Other materials available on request
Accessories:	Position indicator

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