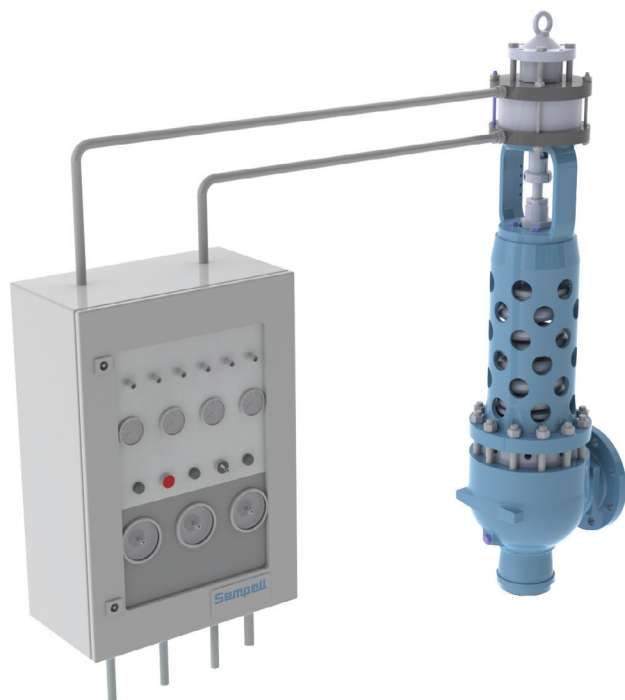


SEMPPELL PNEUMATIC CONTROL UNIT

MODEL STE5

TÜV type tested Control Unit to operate spring loaded safety valves as Controlled Safety Pressure Relief Systems (CSPRS) acc. EN ISO 4126-5



FEATURES

- High tightness up to set pressure due to supplementary load
- Small opening and closing pressure differences
- High setting accuracy and reproducibility
- Opening possible even below set pressure
- Pressure setting of safety valve during normal plant operation
- Check of the control function without operation of the safety valve
- With one unit more than one safety valve can be operated
- In case of failure, the safety valve opens as direct spring valve (fail-safe function)
- No electrical energy supply necessary
- Ideally suitable for explosion Protection

GENERAL APPLICATION

The efficiency of plant operation can be increased by application of pneumatically assisted operation on a spring loaded safety valve.

All control paths are three times redundant and the unit is working according to the fail safe principle.

The advantages of direct acting safety valves will be combined with the advantages of controlled safety valves.

TECHNICAL DATA

Ambient temperature:	Max. 60 °C
Compressed air supply:	4 bar min., 8 bar max
Air consumption:	During normal operation: 0.08 mN³/h
Type of enclosure:	IP 66
Weight:	48 kg
Quality of compressed air:	Filtered and dried; dew point temperature at least 10 °C lower than ambient temperature
Other versions available on request	

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