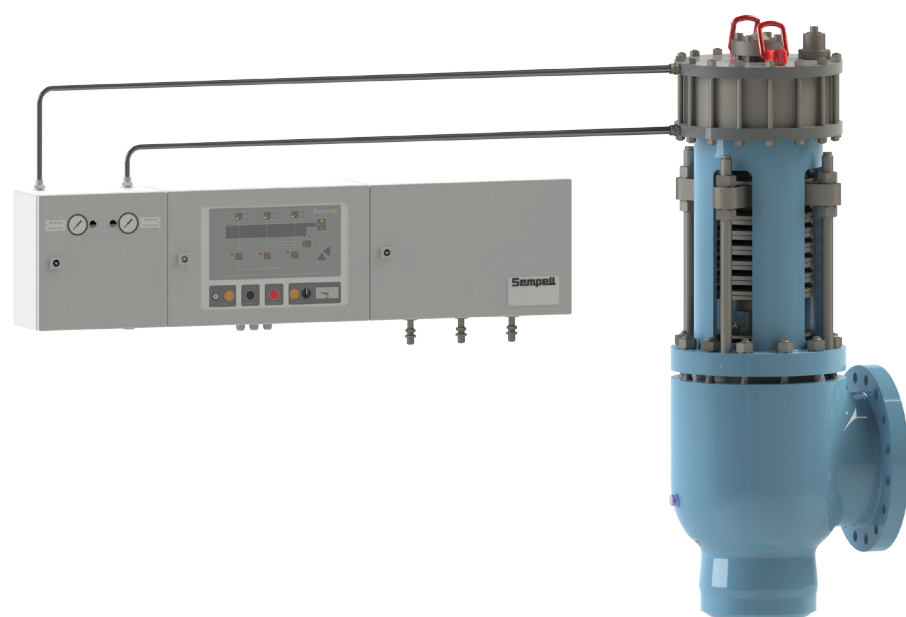


SEMPPELL ELECTRO PNEUMATIC CONTROL UNIT MODEL STE4

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
- Blow down widely adjustable
- 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)

GENERAL APPLICATION

The efficiency of plant operation can be increased by application of pneumatically assisted operation on a spring loaded safety valve. The advantages of direct acting safety valves will be combined with the advantages of controlled safety valves.

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

The functions pressure sensing, electrical control and pneumatic operation are split in separate housings. This modular design enables a high flexibility in specific conditions, i.e. long distances or specific safety requirements.

TECHNICAL DATA

Type of current:	50 Hz
Main voltage:	230 V
Power consumption:	60 W
Type of enclosure:	IP 55
Ambient temperature:	-25 °C - +60 °C
Compressed air supply:	2 bar min., 8 bar max.
Air consumption:	No consumption during normal operation
Weight:	78 kg
Other versions available on request	

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