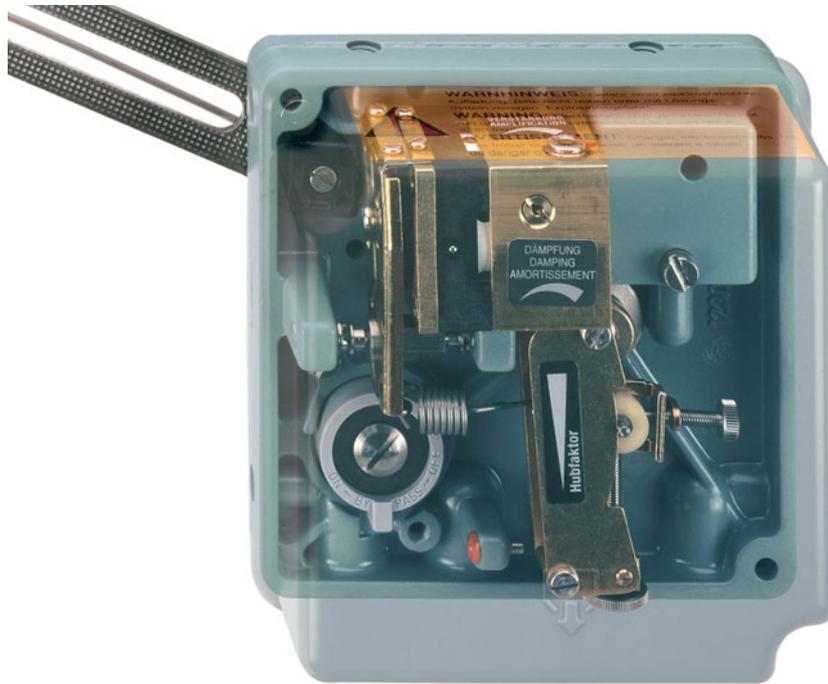


Pneumatic Positioner SRP981



SRP981 - The result from 40 years experiences with pneumatic positioners.

- Pure pneumatic valve control, input 0.2 to 1 bar (3 to 15 psig)
- Low air consumption
- Split range up to 4-fold possible
- Basic device without electrical parts
- Valve control with fast control behavior
- Easy local mechanical configuration
- Mechanical adaptations by setting-screws
- Independent adjustment of zero and span
- Gain and damping independently adjustable
- Easy mounting to all linear and rotary actuators
- ATEX approved
- Options:
 - Electrical Position Transmitter 4 to 20 mA
 - Limit switches (inductive or Micro switches)
 - Manifold with gauges
 - Pneumatic Volume boosters





Example for mounting on linear valves, version with integrated gauges.



Example for mounting on rotary actuators.

Technical Data

The SRP981 Positioner is designed for operation of pneumatic valve actuators with pneumatic control signals. It is available in the version ATEX - Constructive safety and in connection with the options in EEx ia/intrinsic safety.

It is used to reduce the adverse effects of valve friction, for higher thrust and shorter positioning time.

By the employment of durable pneumatic components an extraordinary reliability and economy is reached, also under difficult climatic conditions.

| | | |
|--|--|---|
| Control Signal Characteristics | Setpoint: 0.2 to 1 bar (3 to 15 psig) linear, equal-percentage or invers-equal percentage (with cams) | |
| Split range | up to 4-fold possible (up to $\Delta p=0.2$ bar / 3 psig) | |
| Zero and Span | independently adjustable | |
| Gain and Damping | independently adjustable | |
| Valve Action | direct or reverse adjustable | |
| Bypass switch | connects input w directly with output y | |
| Air Supply | 1.4 to 6 bar (20 to 90 psig) | |
| Stroke range | 8 to 200 mm (0.3 to 8.0 in) | |
| Angle of Rotation | 30 to 180 degree angle | |
| Protection Class | IP54, optional IP 65 | |
| Electrical Classification | | |
| Base Unit | ATEX | Constructive safety II 2 G EEx c IIC T6 |
| Accessories | ATEX | "intrinsic safety" II 2 G EEx ia IIC T6 |
| | FM and CSA | "Intrinsic safety" Class I, Div. 1, Groups A, B, C, D |
| For use on ships or vessels | Lloyd's registered | |
| Pneumatic Connection | G1/8 | |
| Electrical Connection (f. Accessories) | M20 x 1.5 or 1/2-14 NPT (others with Adapter AD...) | |
| Ambient Temperature | -40 to +80 °C (-40 to +176°F) | |
| Humidity | up to 100 % | |
| Weight | 0.7 kg / 1.5 lbs (double acting: 0.9 kg / 2.0 lbs) | |
| Optional Features | Inductive Limit Switches (2- or 3-wire) Micro Switches Electrical Position Transmitter (4 to 20 mA) Manifold with staggered connection Gauges Pneumatic Volume Boosters | |
| Attachment to linear actuators | acc. to IEC 534 part 6 (NAMUR) | |
| rotary actuators | acc. to VDI/VDE 3845 | |
| any other linear or rotary actuator | by means of extensive attachment kit offering | |