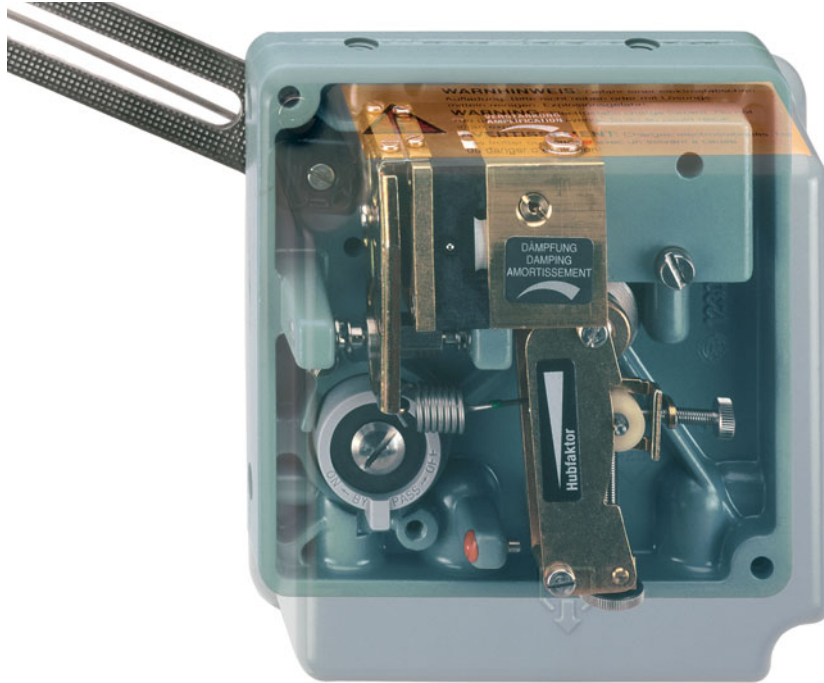


# Pneumatic Positioner SRP981



## **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		Setpoint: 0.2 to 1 bar (3 to 15 psig)
Characteristics		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