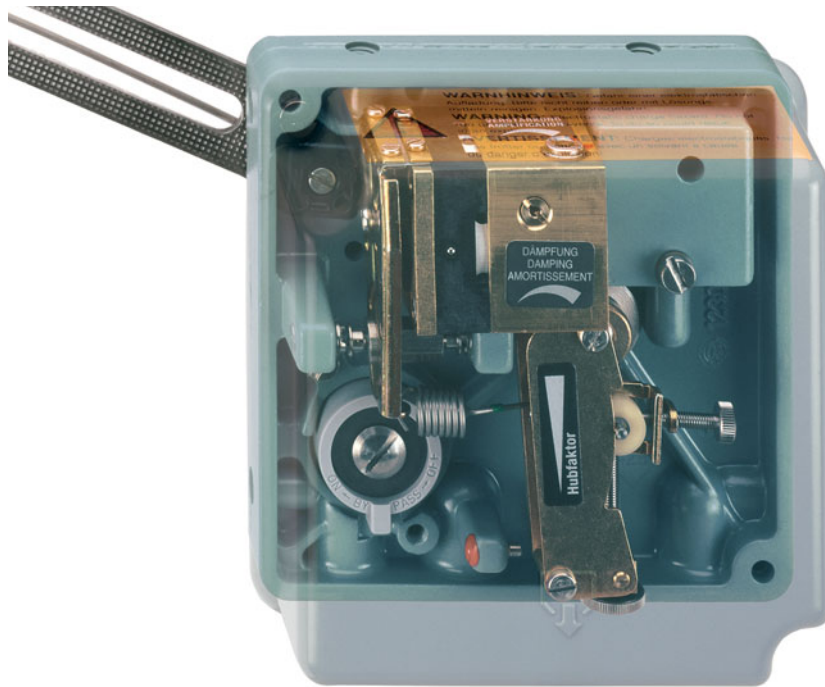


# Pneumatic Positioner SRP981



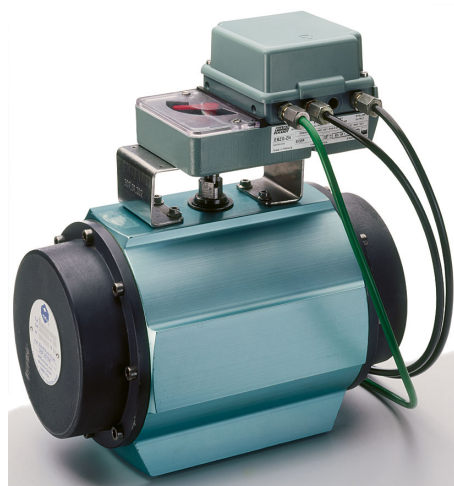
## SRP981 - The result from 40 years experiences with pneumatic positioners.

- 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	

FOXBORO ECKARDT GmbH  
 Pragstrasse 82  
 D-70376 Stuttgart · Germany  
 Fon +49 (0)711 502-0  
 Fax +49 (0)711 502-597  
<http://www.foxboro-eckardt.com>  
 e-mail [salesupport@foxboro-eckardt.de](mailto:salesupport@foxboro-eckardt.de)