

Analog and traditional positioners

- SRP981 — the result of more than 50 years' experience with pneumatic positioners
- SRI986 — more than 1 million applications worldwide
- SRI983 — the classic explosion-proof solution
- SRI990 — the analog positioner — easy operation and compact design

Our traditional range of positioners, SRP981, SRI986, and SRI983, are the results of 50 years' experience in the field. These positioners are designed for operation of pneumatic valve actuators with pneumatic (SRP981) or 4-20mA (SRI986 and SRI983) control signals. They are used to reduce the adverse effects of valve friction for higher thrust and shorter positioning time. Extraordinary reliability and economy are reached with our durable pneumatic components, even under difficult climatic conditions.

The analog positioner SRI990 with analog input 4 to 20 mA is designed to operate pneumatic valve actuators. It offers easy adjustment by means of switches and potentiometers. The modular structure of this positioner series enables conversion from an analog to an "intelligent" positioner by exchanging the electronics.



Model	SRI990	SRI986	SRI983	SRP981
Analog valve control with fast control behavior	✓	✓	✓	✓
Valve action and rotation configurable by DIP switches	✓			
Gain and damping independently adjustable	✓	✓	✓	✓
Switch for pneumatic test	✓			
Load	300 Ohm	200 Ohm	260 Ohm	
Easy mounting to all linear and rotary actuators	✓	✓	✓	✓
Easy local mechanical configuration		✓	✓	✓
Mechanical adaptations by setting screws		✓	✓	✓
Independent adjustment of zero and span	✓	✓	✓	✓
Electrical adaptation of zero and span by potentiometer	✓			
Electrical I/P converter separate from pneumatic unit			✓	
Input signal	4 – 20 mA	4 – 20 mA / 0 – 20 4 – 20 mA mA or 0 – 10 V		0.2 to 1 bar (3 to 15 psig)
ATEX approved	✓	✓	✓	✓
Basic device without electrical parts				✓
Split range				✓
Up to 4-fold possible	2 Fold Possible	3 Fold Possible		4 fold possible

Electro-pneumatic positioners

Model		SRI990	SRI983	SRI986
Protection	Weatherproof	√	√	√
	Intrinsically safe	√		√
	Flameproof/explosion proof		√	
Options	4-20 mA (only)	√	√	√
	Position feedback 4-20 mA	√		√
	Limit switches (inductive or mechanical)	√		√
Housing material	Aluminum (low copper)	√	√	√
	Stainless steel 316L	√		
Pneumatic pressure	Max. air supply pressure	6 bar (90psi)/ opt. 7 bar	6 bar (90psi)	6 bar (90psi)
Airflow capacity @ 6 bar	Up to 14,000 nL/h	√	√	√
	Up to 20 000 nL/h	√		
Certifications	ATEX	√	√	√
	IECEX	√		
	FM/CSA	√	√	√
	EAC	√	√	√
	INMETRO	√	√	√
Ambient conditions	Protection class	IP66/Type 4x	IP54 (opt. IP65)	IP54 (opt. IP65)
	Temperature range	-40°...+80 °C	-40°...+80 °C	-40°...+80 °C
Accessories	Volume boosters direct	√		√
	Volume booster remote	√		√
	Gauges	√		√

Pneumatic positioner

Model		SRP981
Protection	Weatherproof	√
	Intrinsically safe	√ (options)
	Flameproof/explosion proof	
Options	4-20 mA (only)	
	0.2 – 1 bar (3 – 15 psi)	√
	Position feedback 4-20 mA	√
	Limit switches (inductive or mechanical)	√
Housing material	Aluminum (low copper)	√
Pneumatic pressure	Max. air supply pressure	6 bar (90psi)
Airflow capacity @ 6 bar	Up to 14,000 nL/h	√
	Up to 52,000 nL/h	
Certifications	ATEX	√ (ATEX constructive Design)
	IECEX	
	FM/CSA	
	EAC	
	INMETRO	
Ambient conditions	Protection class	IP54 (opt. IP65)
	Temperature range	-40°...+80 °C
Accessories	Volume boosters direct	√
	Volume booster remote	√
	Gauges	√