



Automation position controller

M&S electro-pneumatic position controller (EPPS) are used to control flow rates to pneumatically actuated process valves. An electrical input signal is converted into a rotary movement with the supply of corresponding control air. The valve position is detected via a contactless sensor element.

In addition to the normal position controller (EPPS) for external signals (setpoints), there is a version with an integrated process controller (EPPS/PR). It has a fully-fledged, freely adjustable PID controller (proportional-integral-differential controller). Optionally, external signals or setpoints adjusted directly on the unit can be processed.

The electro-pneumatic position controllers are designed for the PAMS pneumatic actuator and are supplied assembled with the actuator as a module.

Position controller EPS



Position controller EPS/PR



Usage

Features

Versions

- Electro-pneumatic position controller (EPPS)
 - * For stepless regulation of flow rates in butterfly valves and ball valves.
- Elektro-pneumatic position controller with integrated process controller (EPPS/PR)
 - * For stepless regulation of flow rates in butterfly valves and ball valves.
 - * With integrated process controller with extensive additional functions, e.g. direct conversion of measured values without using a control system (PLC).


Usage

Features

Versions

- Compact stainless steel design.
- Extremely simple commissioning thanks to automatic tune function.
- Integrated control air supply into the actuator.
- Contactless and wear-free valve position detection.
- Processing of different setpoint specifications (e.g. 4 - 20 mA).
- Illuminated graphic display (EPPS/PR).
- Operating voltage 24 VDC +/- 10%.



Usage	Features	Versions
	<ul style="list-style-type: none">• Complete unit with process controller and pneumatic actuator.• Status display by means of LED.• Setting by means of DIP-switch (EPPS):<ul style="list-style-type: none">* Tight-closing threshold* Characteristic selection* Reversal of operating direction* Switching between manual and automatic operation• Analogue position feedback and binary input.• PC interface available for further parameterisation.• Extensive additional software functions for position controller with process controller (EPPS/PR).	

Usage	Features	Versions
	<ul style="list-style-type: none">• Materials<ul style="list-style-type: none">* Bonnet PC, housing shell stainless steel* Basic housing PPS* Screw-in parts 1.4301/AISI 304• Protection class<ul style="list-style-type: none">* IP 65• Connections<ul style="list-style-type: none">* Plug-in air connection 6 mm* Cable gland M16x1,5, optionally M12 5-pole (plug-in connection)• Visual LED signal display• Operating pressure<ul style="list-style-type: none">* 4,8 - 8,0 bar• Operating temperature<ul style="list-style-type: none">* +1 C° to max. +60 C°	