

Electro-pneumatic positioner for CPPC swivel/linear drive unit

FESTO



CPPC: the cost-optimised positioner. Always used when there are simple functions and no variation in the control algorithm. Without display, inexpensive because it concentrates on what is important, generally applicable for swivel/linear drive units with potentiometer displacement encoder. With a flow rate of 200 l/min, powerful and fast – for large drives as well.

Sturdy and powerful

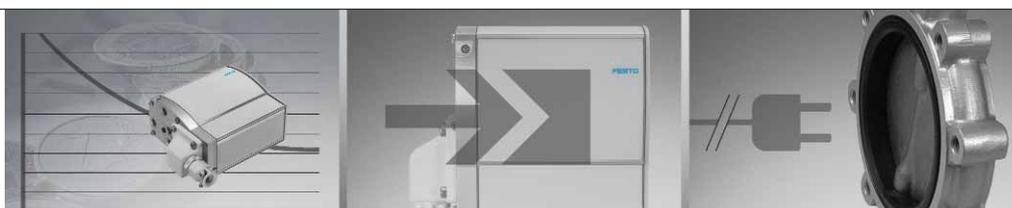
Ready for use in almost all environments due to high IP safety class at -5 to + 50 °C. And the high flow rate of 200 l/min enables high travel speeds.

Simple commissioning

Self-initialising: the zero point, margin and travel speeds set themselves automatically. In addition, the speed of forwards and backwards movement can be set separately in each end position.

Safe

Thanks to a predefined safety setting. The process valve travels to a harmless position in the event of a power failure. And with self-initialisation, initialisation stops immediately if the process valves, drive, displacement encoder and positioner are not correctly constructed in the entire system.



Low-cost

Simple

Safe

910.14.PSI →

Product Short Information

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Mode of operation

A displacement encoder mounted above the drive, e.g. a potentiometer, detects the position of the drive and transmits it to the positioner. Transmitted via 4 to 20 mA, the nominal signal specifies the position that the drive should reach.

The positioner compares the signals to each other and deter-

mines the difference. The integrated pneumatic valves are used to pressurise both sides of the drive until the position of the specified nominal signal is reached. This is an ongoing process that ensures that the drive and mounted process valve have a stable position.

Accessories

Adaptation using:

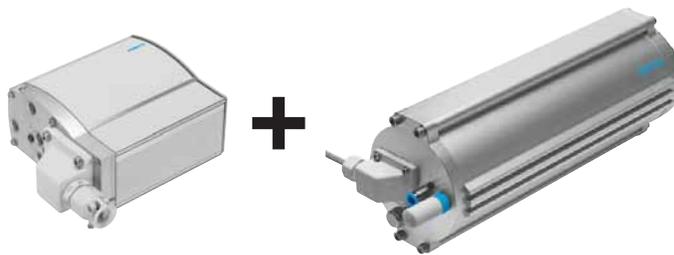
- H-rail
- Wall mounting kit

Technical data

Signal processing	4 to 20 mA
Operating voltage range	24 V DC +/- 10 %
Accuracy	+/- 1%
Ambient temperature	-5 to +50 °C
Separate setting of the speed of forwards and backwards movement in both end positions via flow control valves	

Ideal for system solutions:

Everything from a single source
Optimal combination: CPPC positioner and DFPI linear drive with integrated displacement encoder (DFPI-...-ND2P-E-P). The positioner is no longer integrated into the DFPI and can be located at a convenient place in the application.



Festo AG & Co. KG

Ruiter Strasse 82
73734 Esslingen
www.festo.com
Tel. +49 711 347-0
Fax +49 711 347-2144
service_international@festo.com