

ELECTROPNEUMATIC POSITIONER

ECOSIDE 024.16.420

For process valves big stroke range and with remote control installation

Features

- Compact metal housing
- Contact- free continuous sensor measuring of the valve spindle position
- Simple start up using tune function
- Pneumatic positioning for single and double-acting actuators
- High air capacity
- Standardized for assembly according IEC 534-6 / VDI VDE 3845
- Available as remote version with position sensor
- Close tight function
- ATEX-Version available

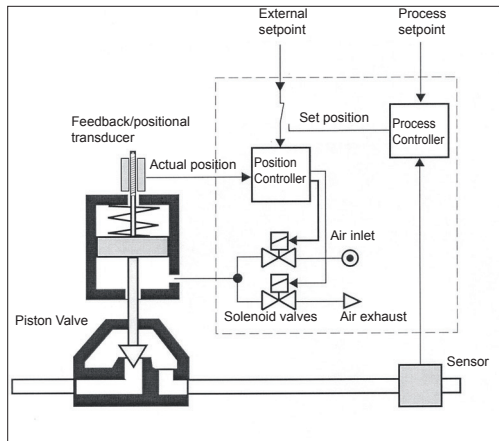


Technical Data

Body;Sealing	Aluminum plastic coated; EPDM
Ambient temperature	0 - 60°C
Control medium	Neutral gases, air according DIN ISO 8573-1
Pilot air ports	G 1/4
Supply pressure	1,4 - 7 bar ¹⁾
Air flow rate	Single and double-acting up to 150 NI/min ($Q_{Nn} = 100$ NI/min acc. Definition with decrease in pressure from 7 to 6 bar absolute)
Intrinsic air consumption	0 l/min
Power supply	24 V DC +/- 10%
Power consumption	< 3,5 W
Electrical connection	M12 (8 Pins)
Cable gland	2 x M20 x 1,5 (cable Ø 10 mm) on screw terminal
Remote version	1 x M12 x 1,5 (cable Ø3 to 6,5 mm)
Setting point; input resistance	4 to 20 mA / 180 Ohm (0 - 20 mA adjustable with configuration software)
Binary Input	0 - 5 V = log „0“, 10 - 30 V = log „1“
Stroke range valve spindle	Min. 30° on the rotary shaft, depending on lever
Operation	2 Key button
Visualisation	3 LEDs
Protection class	IP65/67 acc. EN 60529
Type of ignition protection	II 3 G nA II B T4; II 3 D tD A22 T135°
Conformity	EMV2004/108/EG
Approvals	CSA
Optional	Process controller; Analogue feedback; AS-Interface

¹⁾ Pressure stated in bar are access to atmosphere; the supply pressure has to be 0,5 - 1 bar above the minimum required pilot pressure for the valve actuator

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Operational diagramm

