

ELECTROPNEUMATIC POSITIONERS

ECOCENT 024.16.7

For central mounting on the top of the process control valves

Features

- Compact stainless steel, high performance plastic design
- Contact-free continuous sensor measuring of the valve spindle position
- Easy start up
- Pneumatic positioning for single acting actuators
- High air flow rate for type 024.16.720
- Close tight function



Valve assembled with
Positioner
Type 024.16.710



Type 024.16.720

Technical Data

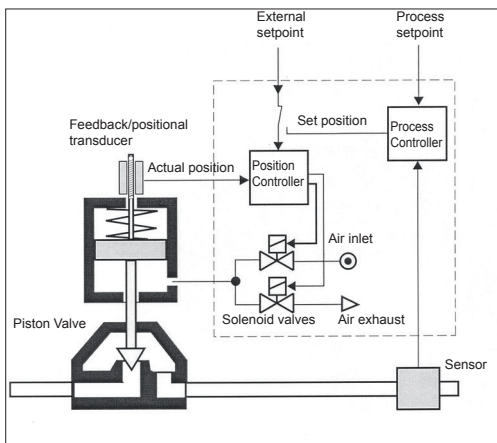
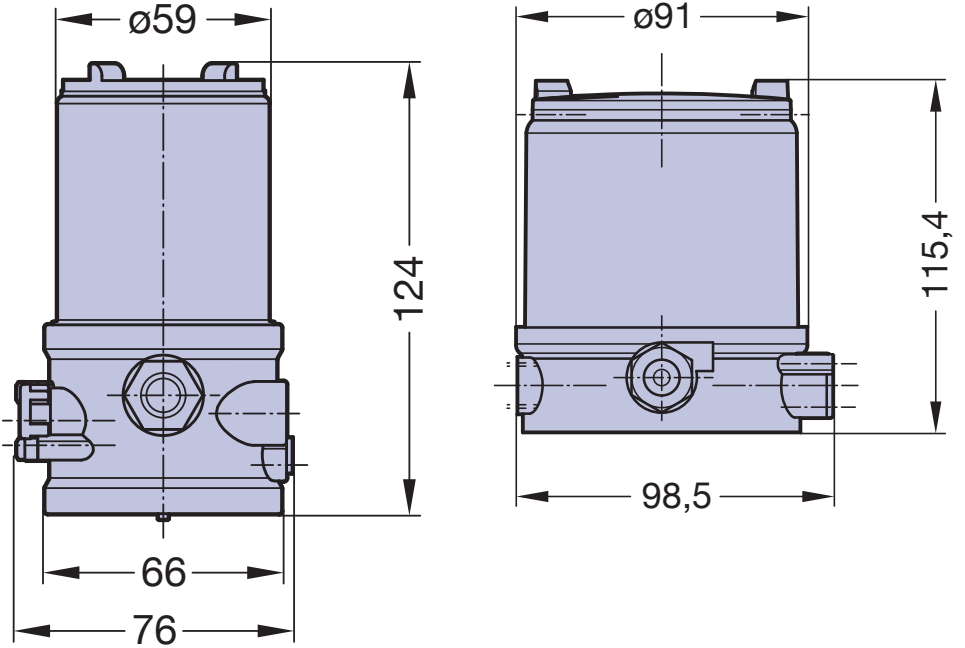
Type	024.16.710	024.16.720
Recommended for valve size	DN 8 - 50	DN 50 - 100
Body; Cocer; Sealing	PPS/stainless steel; PC transparent; EPDM	PPS/stainless steel; PC transparent; EPDM
Ambient temperature	0 - 55°C	0 - 55°C
Control medium	Neutral gases, air according DIN ISO 8573-1	Neutral gases, air according DIN ISO 8573-1
Pilot air ports	G 1/8	G 1/8
Supply pressure; Air flow rate	1 - 7 bar 1; 7 NI/min	3 - 7 bar 1; 130 NI/min
Intrinsic air consumption	0 l/min	0 l/min
Power supply	24 V DC +/- 10%	24 V DC +/- 10%
Power consumption	< 3,5 W	< 3,5 W
Electrical connection	Multipol M12 (8- pins), stainless steel	Multipol M12 (8- pins), stainless steel
Setpoint setting; Input resistance	4 to 20 mA; 180 Ohm	4 to 20 mA; 180 Ohm
Analogue feedback 4 - 20 mA	Optional	Standard
Stroke range valve spindle	3...28 mm	3 - 45 mm
Binary input	0 - 5 V = log "0", 10 - 30 V = log "1"	0 - 5 V = log "0", 10 - 30 V = log "1"
AS-Interface	NO	optional
Operation	2 Key button	2 Key button
Visualisation	2 LEDs	2 LEDs
Protection class	IP65/67 according to EN 60529 (only if cables plugs and sockets have been connected properly and in compliance with the exhaust air concept in chapter "pneumatic connection of positioner")	
Conformity	subject to CE according EMV2004/108/EG	subject to CE according EMV2004/108/EG
Approval	CSA on request.	CSA on request.
Process controller	NO	Optional

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

Type 710: No Process controller

Type 720: Optional Process controller