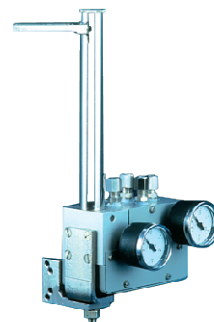


PNEUMATIC POSITIONER type A705

THE PNEUMATIC POSITIONER type A705 IS DESIGNED FOR COOPERATION WITH PISTON PNEUMATIC ACTUATORS. IT ASSURES QUICK AND PRECISE ACTUATOR PISTON ROD POSITIONING.

THE MECHANICAL FEEDBACK ASSURES QUICK AND ACCURATE POSITIONING THE ACTUATOR'S PISTON ROD, WHICH CORRESPONDS THE PRESENT INPUT SIGNAL.

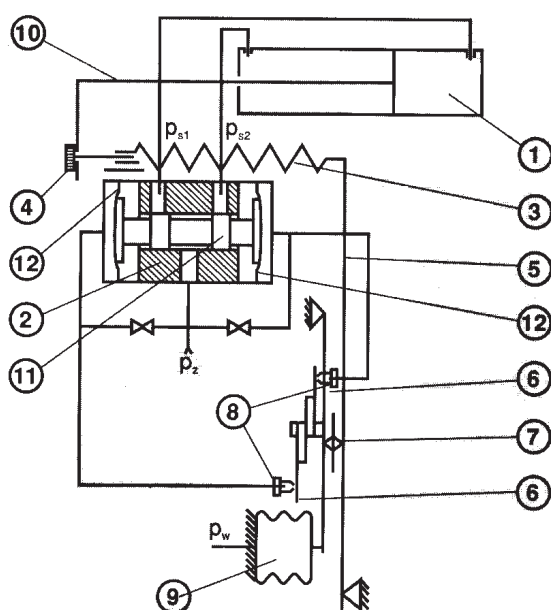


precise actuator piston rod positioning
suitable for cooperation
with piston pneumatic actuators
maximum supply pressure up to 1 MPa

TECHNICAL DETAILS:

- input signal (control)	20...100 kPa
- supply pressure	0.25...1 MPa
- pneumatic output signal	two alternating signals of 0...100% of supply pressure
- cooperating actuator stroke	80...600 mm
- basic error	max. 1.6% of nominal actuator stroke
- sensitivity	0,4% of minimal input pressure range
- proportionality range for both control signals	1,2 ±0,5%
- additional error caused by supply pressure change of 10%	0,8% of nominal actuator stroke
- cover protection rating	IP44
- acceptable ambient temperature	-25°C...+65°C
- weight	1,7...2,2 kg, depending on version

FUNCTIONAL DIAGRAM OF THE POSITIONER



- 1 - actuator
- 2 - distributor
- 3 - feedback spring
- 4 - zeroing screw
- 5 - feedback lever
- 6 - nozzles cover group
- 7 - range adjustment
- 8 - nozzles
- 9 - bellows
- 10 - piston rod
- 11 - piston
- 12 - membrane
- p_z - supply pressure
- p_w - input pressure
- p_{s1} i p_{s2} - control pressures