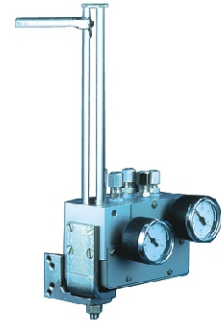


PNEUMATIC POSITIONER type A705

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.

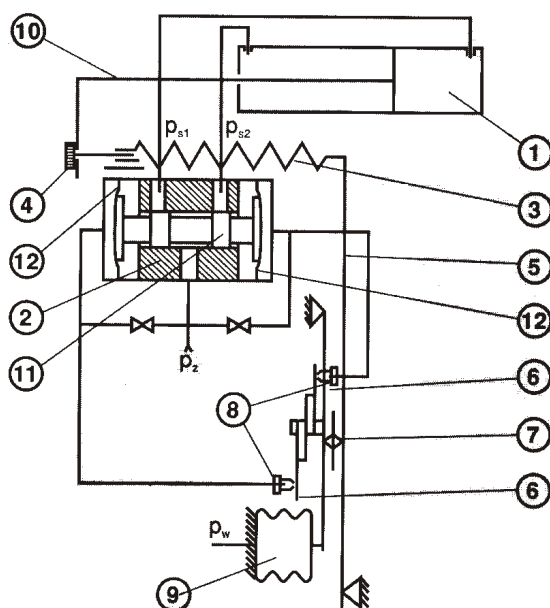


- precise actuator piston rod positioning
- suitable for cooperation with piston pneumatic actuators
- maximum supply pressure up to 1 MPa

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

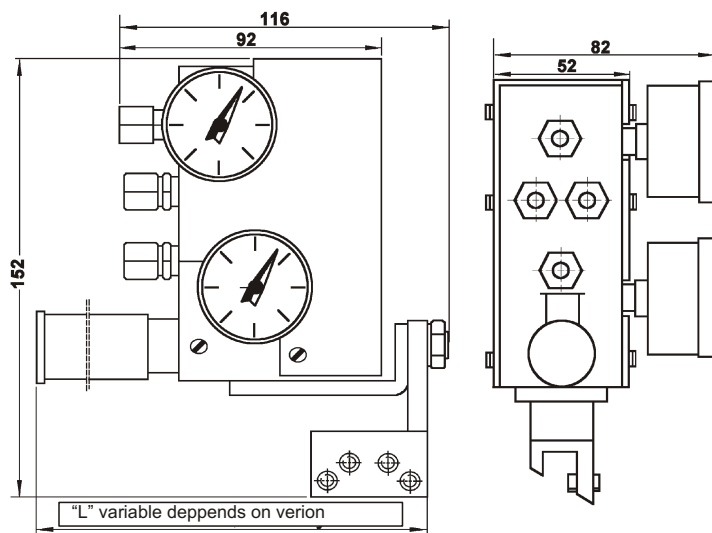
FUNCTIONAL DIAGRAM OF THE POSITIONER



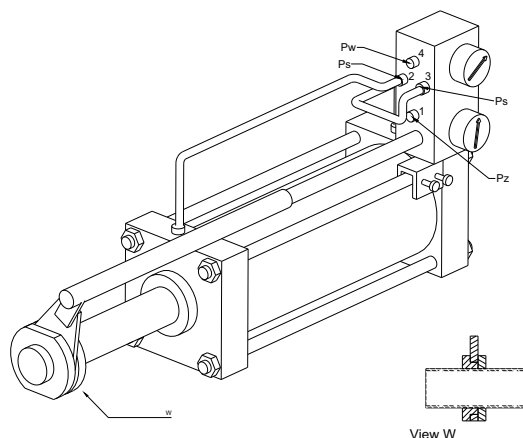
- 1 - actuator
- 2 - distributor
- 3 - feedback spring
- 4 - zeroing screw
- 5 - feedback lever
- 6 - nozzles cover group
- 7 - range adjustment
- 8 - nozzles
- 9 - bellows
- 10 - piston rod
- 11 - piston
- 12 - membrane
- p_z - supply pressure
- p_w - input pressure
- p_{a1} i p_{a2} - control pressures

DIMENSIONED DRAWINGS

Positioner type A705



Connection of pneumatic pipes



ORDERING METHOD

A705-A	Positioner for piston actuators						
	CODE1	VERSION					
	0	input signal 20...100 kPa					
		CODE2				ACTUATOR DIMENSIONS	
		Cylinder diameter (mm)					
		80	100	125	160; 200		
		M20x1,5	M20x1,5	M27x2	M36x2	Thread on the piston rod end	
		G 3/8"	G 1/2"	G 1/2"	G 3/4"	Connecting holes of control pressure	
		-	-	41	51	80	stroke (mm)
-	22	42	52	100			
-	23	43	53	125			
04	24	44	54	150			
05	25	45	55	160			
06	26	46	56	200			
07	27	47	57	250			
08	28	48	58	300			
09	29	49	59	320			
10	30	40	60	400			
11	31	38	61	500			
12	32	39	62	600			
A705-A	0	26	EXEMPLARY POSITIONER TYPE				

Specify in order: device name, type and version number, and special requirements.

Order example:

Positioner A705, actuator stroke 200 mm, cylinder diameter $\varnothing 100$ mm has a designation: Positioner A705-A026

We reserve the right to implement the product structural changes without the parameters deterioration.