

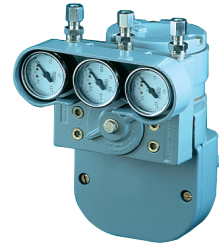
PNEUMATIC POSITIONER type A703

THE PNEUMATIC POSITIONER type A703 IS DESIGNED FOR COOPERATION WITH MEMBRANE AND SPRING PNEUMATIC ACTUATORS. IT ASSURES QUICK AND PRECISE ACTUATOR MANDREL POSITION DETERMINING, AS WELL AS ACTUATOR USEFUL FORCE. THE MECHANICAL FEEDBACK ASSURES THE UNEQUIVOCAL ACTUATOR MANDREL POSITIONS, WHICH CORRESPOND THE PRESENT REGULATOR OUTPUT SIGNAL.

THE POSITIONER STRUCTURE ALLOWS USER FOR EASY OPERATION TYPE SELECTION: FORWARD OR REVERSE ACTION: DIRECT OR REVERSED ACTION (THE INPUT SIGNAL GROWTH CORRESPONDS TO OUTPUT SIGNAL GROWTH OR DECREASE).

POSITIONER HAS EQUIPMENT ALLOWS FOR:

- * ACHIEVING THE FULL RANGE OF OUTPUT SIGNAL AT THE HALF OF RANGE OF INPUT SIGNAL.
- * CHANGING THE CONTROL SIGNAL CHARACTERISTIC IN INPUT SIGNAL FUNCTION
- * REMOVING POSITIONER WITHOUT THE CONTROL VALVE OPERATION INTERRUPTION.



- reliable and simple in installation
- suitable for actuators Polna S.A., Masoneilan and others
- linear, accelerating and decelerating characteristics
- input signals dividing possibility

TECHNICAL DATA

- input (control) signal	20...100 kPa; 20...60 kPa; 60...100 kPa
- supply pressure	140...600 kPa
- pneumatic output signal	0...100% of supply pressure
- cooperating actuator stroke	10...101,6 mm
- nonlinearity	<1,5% of input signal width
- hysteresis	<1% of input signal width
- sensitivity	<0,06% of input signal width
- operation characteristic	linear, accelerating, decelerating
- output delivery	min. 15...36 kg/h at supply pressure 140...600 kPa and input signal 60 kPa
- air own consumption	0.26...0.68 kg/h at supply pressure 140...600 kPa
- acceptable ambient temperature	-25°C...+70°C
- additional errors:	
from supply pressure changes of 10%	0,3% of input signal width
from temperature changes	0.5% /10°C
- humidity	5...100%
- cover protection rating	IP54
- pneumatic terminals	screwed holes 1/4" NPT or copper or polyethylene pipes ø6 or ø8 mm connectors
- operational position	arbitrary
- weight	1.8...3.8 kg, depending on version