

The pneumatic PISTOR power cylinder can be used as an actuator in manual and automatic control of control valves and louvers.

Technical specification

	Type	
	PISTOR 75/150	PISTOR 75/300
Piston diameter:	75 mm	75 mm
Stroke S:	150 mm	300 mm
Effective cross-sectional area of piston:	41 cm ²	41 cm ²
Output force		
- for 3 bar supply pressure:	1200 N	1200 N
- for 6 bar supply pressure:	2400 N	2400 N
Output work (moment of force)		
- for 3 bar supply pressure:	180 Nm	360 Nm
- for 6 bar supply pressure:	360 Nm	720 Nm
Typical time for full stroke:	12 s	20 s
Weight:	2.8 kg	3.4 kg

Supply pressure: 3 to 6 bar.

Sensitivity: 0.3 %.

Control pressure range

- with standard adjustment: 0.2 to 1.0 bar
- on separate order: 0.4 to 0.9 bar spans.

Load effect

- for a load change from 0 to 80 % of the max. force obtainable for the supply pressure in use, the effect is 4 % of max.stroke per 1000 N.

Operating temperature:

- 10 to +80 °C

Materials

- body: light alloy with epoxy powder paint, bearing bush of bronze
- piston rod: ground and polished AISI 316 acid-resistant steel
- piston and O-rings: silicone rubber (max. 80°C).

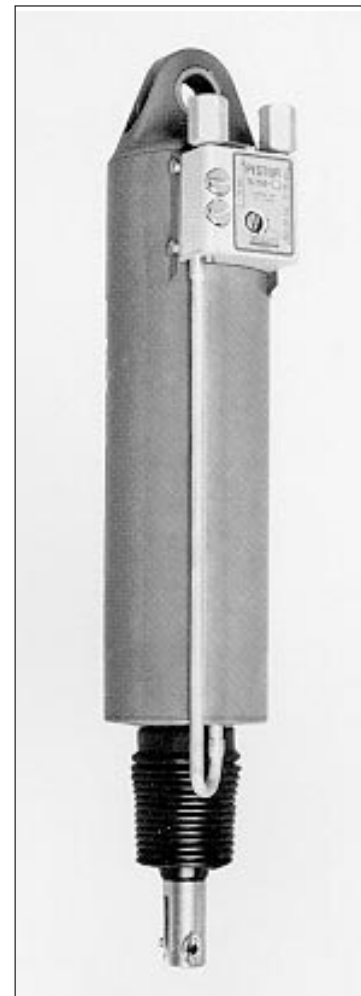
Air consumption

- for 3 bar supply pressure: 15 litres/min (at STP)
- for 6 bar supply pressure: 25 litres/min (at STP)

Connections

- 1/4-18NPSF female threads.

Max. error of adjustment: ± 2 %.



We reserve the right to make technical changes without prior notice. Performance is indicated in accordance with IEC546 and IEC770 recommendations.

