

PISTOR 75 Pneumatic Power Cylinder

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

Satron PISTOR is the ideal solution for applications in an explosion hazardous environment, where ATEX is required, since there is no electricity involved.

TECHNICAL SPECIFICATIONS

	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

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 liters/min (at STP)
- for 6 bar supply pressure:
25 liters/min (at STP)

Max. error of adjustment: ± 2 %

Connections:

- 1/4-18 NPSF female threads.

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

