

Data Sheet

Actuator Type AT (pneumatic, piston, rotary actuator)

Sizes: SC/SO 60, 100, 150, 220, 300, 450, 600, 900, 1200, 2000, 3000, 5000

Version:

- Piston actuator, single or double acting

Opening angle:

- 75° (for VETEC valves)

Spring position:

- Multi-spring, symmetric

Spring torques:

- 13 to 2207 Nm

Supply air range:

- 3 to 6 bar

Ambient temperature range:

- -40 to 80 °C / -40°F to 176 °F

Mounting of accessories:

- VDI / VDE 3845

Principle of operation:

The Type AT Actuator is a single-acting piston actuator. Thanks to different spring combinations, the required torques for special applications can be implemented easily.

Its special design allows the actuator to be used with different opening angles.

The actuator can be equipped with additional manual gears as well as end stops.



Fig. 1: Type AT Actuator

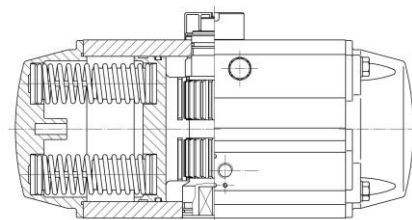



Fig. 2: Sectional drawing of Type AT Actuator

Table 1: Technical data

Type		SC60	SC100	SC150	SC220	SC300	SC450
Version		Piston					
Spring position		Multi-spring, symmetric					
Opening angles		75° (for VETEC valves)					
Spring range (Nm)		13 - 26	22 - 44	30 - 60	49 - 98	63 - 126	99 - 198
Supply air range (bar)		3 to 6					
Temp.-range	O-ring NBR (standard)	- 40°C to + 80°C					
	O-ring Viton (high temp.)	- 15 °C to +150°C					
	O-ring silicone (cryogenic temp.)	- 55°C to + 80°C					
Weight (w/o yoke) (kg)		2,7 – 3,1	3,8 – 4,4	5,1 – 6,0	8,1 – 9,4	10 – 12	14 – 17
Manual gear							


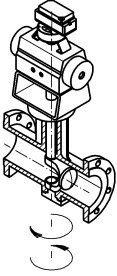
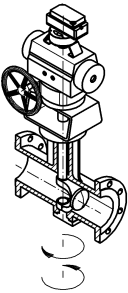
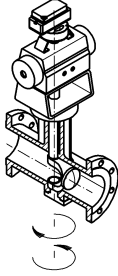
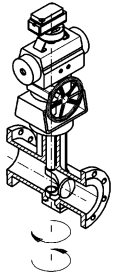
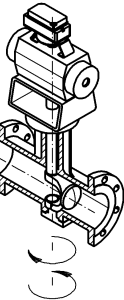
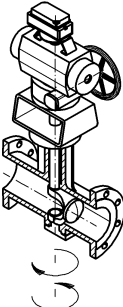
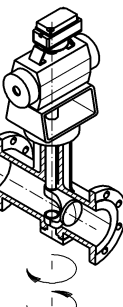
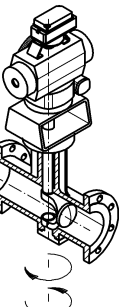
Type		SC 600	SC 900	SC 1200	SC 2000	SC 3000	SC 5000
Version		Piston					
Spring position		Multi-spring, symmetric					
Opening angles		75° (for VETEC valves)					
Spring range (Nm)		135 - 269	100 - 379	255 - 510	433 - 865	655 - 1309	1104 - 2207
Supply air range (bar)		3 - 6					
Temp.-range	O-ring NBR (standard)	- 40°C bis + 80°C					
	O-ring Viton (high temp.)	- 15°C bis + 150°C					
	O-ring silicone (cryogenic temp.)	- 55°C bis + 80°C					
Weight (w/o yoke) (kg)		18 – 21	24 – 33	34 – 44	54 – 64	76–96	118-150
Manual gear							

Fig. 3: Attachment types

			
Attachment type A FTC (spring closes, air opens) FTO (spring opens, air closes)	Attachment type A, manual gear FTC (spring closes, air opens) FTO (spring opens, air closes)	Attachment type B FTC (spring closes, air opens) FTO (spring opens, air closes)	Attachment type B, manual gear FTC (spring closes, air opens) FTO (spring opens, air closes)
			
Attachment type C FTC (spring closes, air opens) FTO (spring opens, air closes)	Attachment type C, manual gear FTC (spring closes, air opens) FTO (spring opens, air closes)	Attachment type D FTC (spring closes, air opens) FTO (spring opens, air closes)	Attachment type D, manual gear FTC (spring closes, air opens) FTO (spring opens, air closes)

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