

VETEC Actuator - Type AT

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

Version:

- Piston actuator

Opening angle:

- 75°

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



Fig. 1: Type AT Actuator

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.

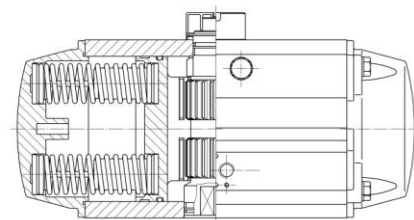



Fig. 2: Sectional drawing of Type AT Actuator

Table 1: Technical data

Type	SC60	SC100	SC150	SC220	SC300	SC450
Version	Piston					
Spring position	Multi-spring, symmetric					
Opening angles	75°					
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)					
	O-ring Viton (high temp.)					
	O-ring silicone (cryogenic temp.)					
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						


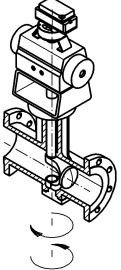
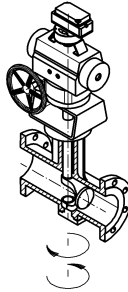
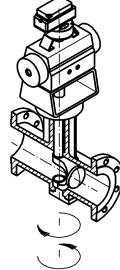
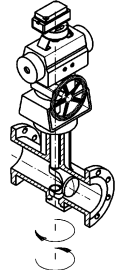
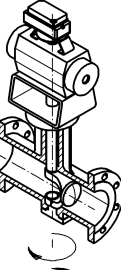
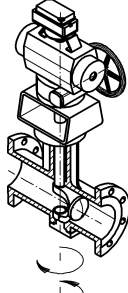
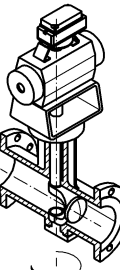
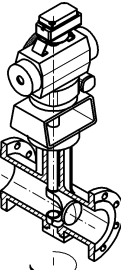
Type	SC 600	SC 900	SC 1200	SC 2000	SC 3000	SC 5000
Version	Piston					
Spring position	Multi-spring, symmetric					
Opening angles	75°					
Spring range (Nm)	135 - 269	100 - 379	255 - 510	433 - 865	655 - 1309	1104 - 2207
Supply air range (bar)	3 - 6					
Temp.-range	O-ring NBR (standard)					
	O-ring Viton (high temp.)					
	O-ring silicone (cryogenic temp.)					
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)