

Sizes: S160, S320

Version:

- Diaphragm actuator

Travel:

- 29 mm / 54 mm

Opening angle:

- 75°

Spring position:

- Centrally arranged spring

Diaphragm area:

- 160 to 320 cm²

Spring torques:

- 26 to 205 Nm

Supply air range:

- 3 to 6 bar

Ambient temperature range:

- -35 to 90 °C / -31 to 194 °F

Mounting of accessories:

- VDI/VDE 3845

Principle of operation:

The Type S Actuator is equipped with a diaphragm and one or more centrally arranged return springs on the inside. The freely supported piston rod is directly connected to the lever for the valve shaft. Its 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 S Actuator

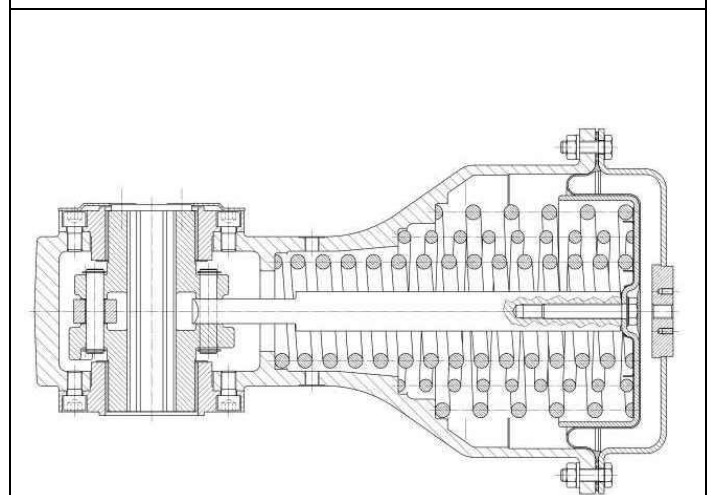


Fig. 2: Sectional drawing of Type S Actuator

Table 1: Technical data


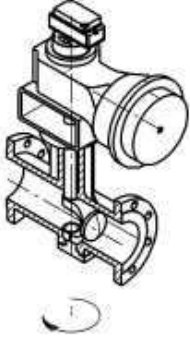
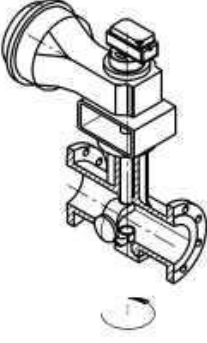
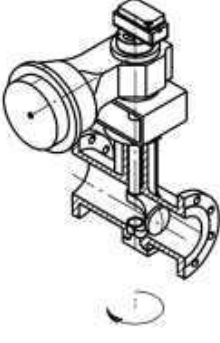
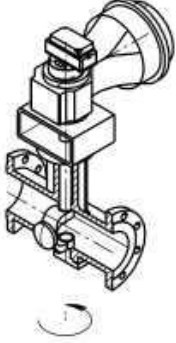
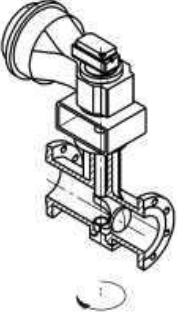
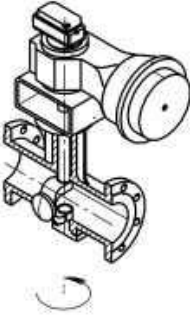
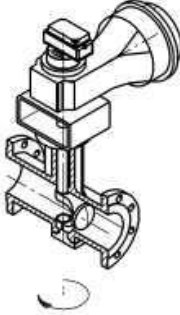
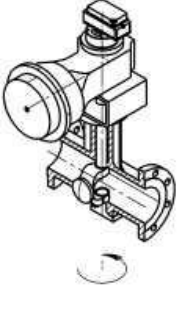
Type		S 160		S 320	
Version		Ddiaphragm			
Spring position		Centrally arranged			
Opening angles		75°			
Travel	mm	29		54	
Diaphragm area		160		320	
Spring range	FTC	spring 2 + 3	0,90 - 1,75	spring 2 + 3	0,90 – 1,75
		spring 1 + 3	1,19 - 2,30	spring 1 + 3	1,10 – 2,25
		spring 1 + 2 + 3	1,75 - 3,25	spring 1 + 2 + 3	1,60 – 3,20
	FTO	spring 2 + 3	1,03 – 1,96	spring 2 + 3	1,02 – 1,96
		spring 1 + 3	1,39 – 2,55	spring 1 + 3	1,29 – 2,48
		spring 1 + 2 + 3	1,97 – 3,60	spring 1 + 2 + 3	1,86 – 3,52
Temperature range	°C/ °F	-35 to 90 °C / -31 to 194 °F			
Supply air range	bar	3 to 6 (spring 1+2+3 min. 4 bar)			
Weight (w/o yoke)	kg	19		51	
Manual gear		 <p>Manual gear</p>			

Fig. 3: Attachment types

			
Attachment type A Fail-close	Attachment type A Fail-open	Attachment type B Fail-close	Attachment type B Fail-open
			
Attachment type C Fail-close	Attachment type C Fail-open	Attachment type D Fail-close	Attachment type D Fail-open