

Technical Datasheet - REVO



Size 205



Technical Data

- Housing / Body Material :** Aluminum Die Casting, Anodized acc. DIN 17611 (E6), calibrated.
- End Caps :** Aluminum painted RAL 5002, color layer thickness min. 60 µm
- End Cap Versions:-** General Spring End Caps / Different End Caps for Double Acting Actuators
- End Cap Screws** Material and Tensile strength as per A2 70, DIN 912
- Weights :** Double Acting : 20.8 kg ; Single Acting with 14 No. of springs : 30 kg
- Air Connection :** G 1/4"
- Shaft :** Blow out proof , pressure-balanced
- Rotation Mode :** From Close to Open => Anti-Clockwise
From Open to Close => Clockwise
- Lubrication :** Permanent Greasing
- Piston Support :** PTFE Guiding Tapes
- Valve flange Connection :** F14; Flange Connection according to DIN 5211 with female square acc. DIN 3337
- Interfaces :** Acc. to VDI / VDE 3845 (Namur)
- Position Indicator :** Changeable indicator adaptor by steps 45°, (POM) / Aluminum
- Production :** Acc. to DIN EN ISO 9001
- Actuator Type :** Rack and Pinion
- Operating Pressure :** 2 to 8 bars
- Tightness Test :** 1.1 X max. operating pressure
- Cycle Times :** $t_{open} = 1.2$ sec., with solenoid valve $K_v = 1.2$ nominal [m³/ h], at 6 bar operating pressure
 $t_{close} = 1.2$ sec., with solenoid valve $K_v = 1.2$ nominal [m³/ h], at 6 bar operating pressure
- Rotation :** 90° Standard, Other options upon request
- Tolerance for Rotations :** 0° / -1.5° and 90° / +1.5°
- Air Consumption :** Theoret. 9NI/h at 1 bar (abs) per travel 0°-90°
- Leakage :** In new condition =>max 2NI/h at 6 bar operating pressure
after 500,000 cycles => max. 10 NI/h at 6 bar operating pressure
- Life Span Cycle Tests :** According to DIN EN 15714-3 and
1 Mio. Cycles at 6 bar working pressure, 20°C ambient temperature acc. VDI/VDE 3844
- Operating Temperature :** -20 to +80 °C (standard)
- Installation Position :** Random
- Medium :** Air and all non-aggressive gases
- Torques *:**

	Air Supply Pressure in bars						
	2	3	4	5	6	7	8
Theoretical Values ¹⁾ /Nm	506	758	1011	1264	1517	1770	2023

¹⁾ Minimum efficiency > 90%

* Spring Torques and corresponding air torques please refer to REVO Catalogue/ Technical Bulletin/ Consult Factory on the same