Actuator Type C 180° - Technical Data, Summery

TruTorq actuators are pneumatic quarter turn actuators based on double rack and pinion design. The C-type actuator is also available in half turn execution (180°).

The C-type 180° actuator is generally recommended for use with three way valves.

Data for C-Type actuators with movement 0 - 180°

This type of actuator is only available as Double Acting (DA) and according to Metric standard

Material, standard (outside)
- Anodized Aluminum, Silver

Movement
- 0° to 180°
- Controlled adjustment of + 5°

End Stop Adjustment
Single End Stop Adjustment, Open position, located in the End Cap

Sizes
- 4, 8, 12, 20 and 35

Torque
Linear torque, the same rack power over the entire movement

Torque Output at 6 bar/80 psi
- 41 to 374Nm
- 337 to 3055in.lbs

Operating Pressure
- 2-10 bar / 30-145 psi

WireMatic TruTorq AB
Krossgatan 22 B
SE-162 50 Vällingby
Sweden

Phone: +46 (0)8 38 00 75
Fax: +46 (0)8 38 78 20

www.trutorq-actuators.com

Actuator Type C 180° - Technical Data, Summery

Drive Medium
- Standard: Air (Dry or Lubricated) or inert gases (non-dangerous fluids)
- Options (require rebuilding): Hydraulic Oil or Water

Temperature Range, Standard execution (Buna Nitrile, NBR O-seals)
- - 30° to + 80°C
- - 22° to + 175°F

Temperature Range, High temperature (Viton O-seals)
- - 20° to + 140°C
- - 4° to + 284°F

Stroke
Looking at the front of the Actuator, Port A is on the left side and Port B is on the right
Port A: Air to Open (Anti-clockwise)
Port B: Air to Close (Clockwise)

Drive shaft
Stardrive shaft tailored to international standard for square-section shafts

Standard Connections
Solenoid valves – Namur
Fitting accessories – ISO 5211, DIN 3337, Namur
Stardrive shaft – ISO 5211 (90°), DIN 79 (45°), Namur

Lubricants, recommended
Springs and piston rack segments: Statoil Molyway LI 712 or similar
O-rings and plastic parts: Statoil Uniway LIX 42PA or similar

Standards and Certificates
The Actuators are designed to and in compliance with several different standards. They also have different types of certificates, see separate information.

WireMatic TruTorq AB
Krossgatan 22 B
SE-162 50 Vällingby
Sweden

Phone: +46 (0)8 38 00 75
Fax: +46 (0)8 38 78 20

www.trutorq-actuators.com