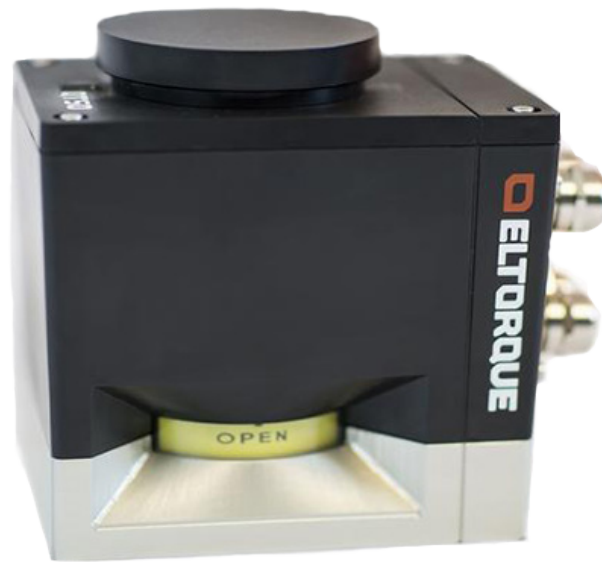


QT-50

ELECTRIC QUARTER-TURN VALVE ACTUATOR



OVERVIEW

QT50 is the most compact quarter-turn actuator.. With an operating torque of 50 Nm, the QT50 is ideal for use with butterfly and ball valves from DN25 to DN80. IP68 protection rating and maritime type approval ensures robustness and durability. The QT50 is designed in line with Eltorque`s Lifelong Intelligent Control philosophy, meaning a maintenance free product with improved functionality and real-time feedback

NAG electric valve actuators are designed to be maintenance free, and feature completely enclosed, permanently lubricated transmissions to ensure extended reliable service in the harshest operating conditions.

FEATURES

- Precise quarter-turn control
- IP68 aluminum housing (stainless steel available)
- Easy installation and/or retrofit
- User-configurable torque, closing time, and position
- Permanently lubricated
- Low power consumption
- Manual emergency override

QT-50 SPECIFICATIONS

Technical Data	
Torque*	10 - 50 Nm
Valve Stem Connector**	See notes
Valve Applications	Butterfly and ball valves with partial turn operation (typical)
Valve Flange**	F05, F07, F10 (According to ISO5211)
Min-Max Closing Time	0-100% / 0-90° 8-15
Mechanical	
Dimensions (H,W,D)	6.42, 4.6, 6.45 in (163, 118, 164 mm)
Weight	9.92 lbs (4.5 kg)
Housing	IP68 (continuous submersion, 32 ft / 10 m - 72 hrs) corrosion-resistant aluminum housing
Operating Temp.	-13° to 131°F (-25° to 55°C)
Over Temp. Protection	Current controlled
Under Temp. Protection	Stator coils used as heating element
Finish	Black
Electrical	
Supply Voltage	110-240 V AC/DC (50/60 Hz)
Power Consumption	Max: 200W Standby: 25W
Cables & Cable Glands	
Cable Glands	For use with Eltorque Hybrid Marine Cable, 2 glands are needed. These are available from Eltorque. For use with traditional cabling, 2 power glands and 2 EMC signal glands are required.
Control	
Interface Options	Digital: 2x digital input (Open & Close) 3x digital output (Open, Closed & Alarm) Analog: analog input (Set Position) analog output (Feedback Position) digital output (Open, Closed & Alarm) Modbus Fieldbus: Max 31 nodes per/network CANopen Fieldbus: Max. 127 nodes/network, allows positioning and other extended controls
Network Valve-Position Sensor	Absolute position sensor, provides correct feedback even after power failure
Position Sensor	0.39% / 0.35° & 360° range
Configuration/Set-Up	USB connection to PC with Eltorque Manager v.3
Configurable Parameters	Open & Closed positions Speed, torque, valve position, valve seat position region Inverted I/O or fieldbus parameters depending on control interface
Emergency & Safety	
Manual Operation	Standard fixed hand wheel, mechanical valve-position indicator
Appx. Number of Turns	19: 0-100% / 0-90°
Certifications & Approvals	
Certifications	CE-marked Type approved by DNV, GL, CCS, ABS, (Product Design Assessment - PDA), BV, & LR

* Configurable using Eltorque Manager v.3 - download free at: www.eltorque.no/downloads

** Adapted flange bracket and stem connection is required and must be ordered with the actuator. Customer must provide a valve/manifold drawing to ensure proper mechanical interfacing.