



Keeping the World Flowing
for Future Generations

IQ3 Pro Range

Intelligent Multi-turn and Part-turn
Electric Actuators

IQ3 Pro electric actuators have an unrivaled ability to provide valve and process operational data, coupled with ease of commissioning, setting new standards for safety and reliability.

Industry Leading Reliability

- Robust drive train and oil bath lubrication
- Double O-ring sealing IP66 / IP68 (7 m / 72 hours)
- Non-intrusive setup – no cover removal required
- Independent torque and position limit sensing
- Independent handwheel operation
- No loss of valve position, even without power

Ease of Commissioning

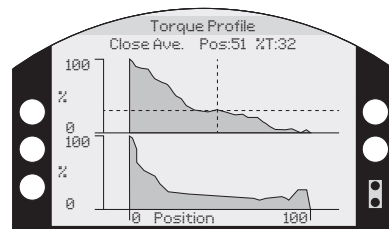
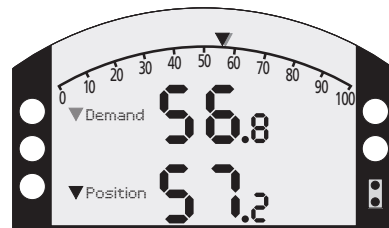
- Large feature rich display
- Control and commissioning via Rotork App, Bluetooth® Setting Tool Pro handset (BTST) or local control knobs
- Non-intrusive configuration, even without mains power

Data Analysis

- Valve, actuator and process data available
- Viewing on screen or in the control room
- Data download via BTST setting tool and Rotork App

Asset Management, Diagnostics and Preventative Maintenance

- Configurable data logger functionality
- Service alarms and advanced realtime reporting
- Ethernet allows remote collection of the full data logs over a high bandwidth connection
- Trend analysis and torque reference graphs



Local Diagnostics and Setup

The large, dual-stacked high-resolution display with 25 mm positional characters delivers unrivalled visibility in all lighting conditions. Combining a static high-contrast positional display with a configurable dot-matrix LCD offers unmatched ease of configuration and data analysis.

Integrated Industrial Ethernet Option Card

- Modbus® TCP, EtherNet/IP™ or PROFINET high-bandwidth connection for advanced asset management
- Line, Ring and Star topologies supported
- Option card is fully enclosed within the actuator, maintaining watertight and explosionproof enclosure and certifications

IQ3 Pro Multi-turn Range

IQT3 Pro Part-turn Range



IQ3 Pro

Multi-turn 3-phase electric actuators for isolating, regulating or inching duties (S2 & S3 / Class A & B) of up to 60 starts / hr. Direct torque output: 14 to 3,000 Nm (10 to 2,213 lbf.ft).

IQ3S Pro

1-phase versions of IQ3 Pro actuators. Direct torque output from 10 to 450 Nm (7 to 332 lbf.ft).

IQ3D Pro

DC powered versions of IQ3 Pro actuators. Voltage ranges available are 24, 48 and 110 VDC. Direct torque output: 11 to 305 Nm (8 to 225 lbf.ft).

IQ3H Pro

High speed 3-phase electric actuators provide fast operation with positive seating without back driving. High output speeds and generally irreversible operation provide a self-locking ability. Speeds up to 259 rpm and torque output: 27 to 397 Nm (20 to 293 lbf.ft).

IQ3M/ML Pro

Modulating 3-phase electric actuator with solid state reversing starter including an electronic motor 'brake' feature. Fast-response remote control circuits for rapid control. IQ3M is suitable for up to 1,200 starts / hr (S4 / Class C). Direct seating torque output: 11 to 544 Nm (8 to 401 lbf.ft). IQ3ML has a linear output drive providing seating thrust output of up to 43 kN (9,667 lbf).

IQ3SET Pro

IQ3SET actuator is backwards compatible to the 1960s. This backwards compatibility is for legacy actuators on your site that have non-integral starters (known as "SynchroSET").



IQT3 Pro

Part-turn 3-phase, 1-phase and DC electric actuators for isolation or regulation duties (S2 & S3/Class A & B) of up to 60 starts / hr. Direct torque output: 125 to 3,000 Nm (92 to 2,214 lbf.ft).

IQT3M Pro

Modulating 1-phase, 3-phase and DC versions of the IQT3 Pro actuator. Modulating duty up to 1,800 starts / hr (S4 / Class C). Fast-response remote control circuits for rapid control. Direct torque output: 125 to 3,000 Nm (92 to 2,213 lbf.ft).

IQT3F Pro

The IQT3 Pro is also available with a full worm wheel capable of multi-turn rising output (A), multi-turn non-rising output (B) and linear output (L). Typically used for slow, high torque applications such as choke and multi-port valves. Modulating duty cycle up to 1,800 starts / hr (S4 / Class C). A, B - Direct torque output: 50 to 3,000 Nm (37 to 2,214 lbf.ft). L - Direct thrust output: 18.8 to 75.8 kN (4,230 to 17,040 lbf).

IQT3 Shutdown Battery

The IQT3 Shutdown Battery option provides fail-to-position functionality for IQT, IQTM and IQTF actuators in the event of a mains power loss and is available for Ex and non-Ex applications. Note: Not available with IQT3000.

Remote Hand Station

Remote operation, interrogation and configuration of IQ3 Pro range actuators in hazardous or inaccessible locations. Can be located up to 100 m (328 ft) away from the actuator.

Special designs

If you require an IQ3 Pro range actuator for duties that are not covered by our standard range, we are happy to discuss custom solutions.

For detailed IQ3 Pro Range information refer to PUB002-197.

Contact us now

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