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focus on the solution



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Electric Actuators for Valves and Penstocks

MULTI TURN
ACTUATORS



proudly made in Türkiye

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focus E Series

On/Off Multi-Turn Electric Actuator

- Operation: Remote
- Torque Range: 60-500 Nm
- Output Speed: 24 / 36 / 38 / 52 / 76 / 104 rpm
- Power Supply: 400 VAC
- Motor Type: 3-Phase AC
- Motor Duty: S4 – 30%, TENV
- Motor Power: 0.37–2.2 kW
- Motor Insulation Class: H
- Position Control: Limit & Torque Switches
- Gear System: Self-Locking Worm Gear
- Protection Class: IP68
- Electrical Connection: Plug-Type Pin Connector
- Housing: Full Cast Aluminum
- Manual Override: Handwheel for Manual Operation
- Modular Design: Upgradable With ICU and ICU+
- Industrial Design: Built for Reliable Long-Duration Valve Operation
- 220 V Single-Phase Motor-Optional
- Mechanical Position Indicator-Optional
- 4–20 mA Position Feedback (Transmitter) - Optional



proudly made in Türkiye

ICU



focus E & ICU Series

On/Off Multi-Turn Electric Actuator
With **I**ntegral **C**ontrol **U**nit

- Operation: Remote / Local On/Off (ICU)
- Torque Range: 60–500 Nm
- Output Speed: 24 / 36 / 38 / 52 / 76 / 104 rpm
- Power Supply: Compatible with 220 V (1-Phase) and 400–460 V (3-Phase) AC
- Motor Type: 1-Phase or 3-Phase AC
- Motor Duty: S4 – 30%, TENV
- Motor Power: 0.37 – 2.2 kW
- Automatic Phase & Direction Correction
- Motor Insulation Class: H
- Position Control: Limit & Torque Switches
- Gear System: Self-Locking Worm Gear
- Protection Class: IP68
- Electrical Connection: Plug - Type Pin Connector
- Dual Switching System: Mechanical or Electronic Switching
- Mechanical Position Indicator-Optional
- 4–20 mA Position Feedback (Transmitter) - Optional
- Optional Color LED Display - Optional

ICU +



focus E & ICU+ Series

Modulating Multi-Turn Electric Actuator
With **I**ntegral **C**ontrol **U**nit + LCD Display

- Operation: Remote / Local – Modulating (ICU+)
- Torque Range: 60–500 Nm
- Output Speed: 24 / 36 / 38 / 52 / 76 / 104 rpm
- Power Supply: Compatible with 220 V (1-Phase) and 400–460 V (3-Phase) AC
- Motor Type: 1-Phase or 3-Phase AC
- Motor: S4 – 30%, TENV, Class: H
- Motor Power: 0.37–2.2 kW
- Automatic Phase & Direction Correction
- Position Control: Limit & Torque Switches
- Control Signal: 4–20 mA
- Position Feedback: 4–20 mA
- Gear System: Self-Locking Worm Gear
- Protection Class: IP68
- Dual Switching System: Mechanical + Magnetic
- Control Voltage Interface: 24 VDC Input Output
- Potentiometer Position Feedback
- Torque Setting: Electronic or Mechanical
- Password Protection
- Fail-Safe Operation (4–20 mA Loss)
- Fieldbus: Modbus / Profibus / Profinet - Optional

focus K Series

Quarter Turn Electric Actuators

- Operation Mode: On/Off & Modulating
- Motion Type: Quarter-Turn
- Operation: Remote & Local (ICU / ICU+ / Handwheel)
- Torque Range: 55–250 Nm
- Output Speed: 1.2 rpm
- Power Supply: 400 VAC
- Motor Duty: S4 – 30%
- Motor Power: 0.09–0.18 kW
- Control Voltage Interface: 24 VDC Input Output
- Motor Protection: Thermistor (Built-in)
- Position Control: Limit & Torque Switches
- Gear System: Self-Locking Worm Gear
- Protection Class: IP68
- Electrical Connection: Plug-Type Pin Connector
- Position Indicator: Mechanical
- 4–20 mA Position Feedback (Transmitter) - Optional
- Internal Heater - Optional
- Fieldbus: Modbus / Profibus - Optional



focus R Series Gearboxes

- Reduction Ratios: 1/2 & 1/4 & 1/8
- Output Torque: 300-5000 Nm
- Max. Input Shaft Diameter: 70 mm
- Max. Output Shaft Diameter: 85 mm
- Rising Shaft Compatibility: Shaft Housing Arrangement with Adaptor Piece
- Machining - Rising Shafts: Square or Polygonal
- Machining - Non-Rising Shafts: Pinned, Square or Polygonal
- Flange Connection - R2: ISO 5211 F14
- Flange Connection - R4: ISO 5211 F16
- Custom Flange Dimensions: Available Upon Request

