

iVQ Range Features

iVQ Range electric actuators are designed for quarter-turn operating applications on valves and dampers.

Models come with:

- Output torques ranging from 6 N·m (53 lb·in) to 3,500 N·m (31,000 lb·in)
- Compact designs which are robust and rugged
- High grade aluminum alloy enclosures
- Exteriors protected with a durable polyester powder coating
- Covers utilizing O-ring sealing and captive stainless-steel fasteners
- Enclosures meeting the sealing standards of CSA and NEMA Type 4X along with IP67 Ingress Protection
- Self locking EPI-CYCLICAL gear train with minimum backlash, which provides for a smooth running and dependable drive system
- Grease lubricated drive train for life
- Manual Override as standard
- Handwheel for manual operation, which has a non-clutch design and requires no manual/auto lever (except on iVQ-A, B, C, D which use a lever)
- Visual Position Indicator as standard (except on iVQ-A, B)
- Mechanical stop bolts as standard (except on iVQ-A, B, C, D)
- Mounting base conforming to ISO 5211 standard
- Space heater and thermostat as standard (except on iVQ-A, B)
- Standard Operating Temperature range of -30°C to +65°C (-22°F to +149°F)
- Standard voltages of 24V DC, 24V AC, 110V/220V AC, 1PH, 60Hz ±10%
- ON/OFF Control as standard
- Standard 30% Duty Cycle at 30% rated torque
- Ratings from 30 to 120 starts/movements per hour for inching control with a cyclic duration factor of not less than 25%
- Built-in Resettable Motor Thermal Protection
- Standard 4 limit switches: 2 for operation, 2 x SPDT for extra dry contacts (except on iVQ-A, B)

Available Options (not with all models):

- Explosionproof Enclosures for Hazardous Environments (CSA and NEMA Type 7 for Class I Div 1 Groups C & D areas and CSA and NEMA 9 for Class II Div 1 Groups E, F & G areas) (Available for iVQ-C, D, F, H, J, K, L, M & N)
- IP68 Ingress Protection provided as standard with Explosionproof Enclosures
- Modulating Control with ratings from 300 to 1200 starts/movements per hour
- 50% and 75% Duty Cycle at 30% rated torque for ON/OFF and Modulating Control
- Local Controls with Watertight Enclosures
- Torque Switches
- 4-20mA Current Position Transmitter or Potentiometer (1K or 5K)
- Interrupter Timer (slows down the running time)
- Chainwheel (c/w 5m of chain)
- 316 Stainless Steel Enclosures
- Junction Box
- Extended Travel
- Class H motor insulation