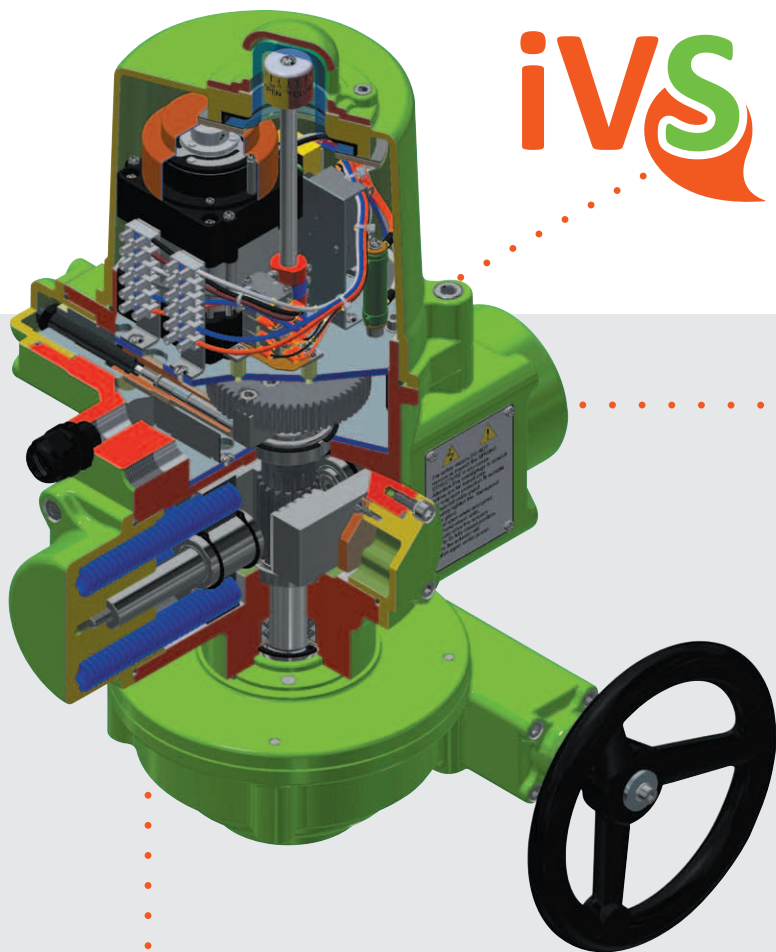




## *Products*

The North American center for iVact electric actuators, providing professional solutions for the most demanding industries.





## ivs

range electric actuators are designed for quarter-turn operating applications requiring a fail position upon loss of power supply. They utilize a compact mechanical spring set to fail the valve or damper clockwise (CLOSE) or counter-clockwise (OPEN).

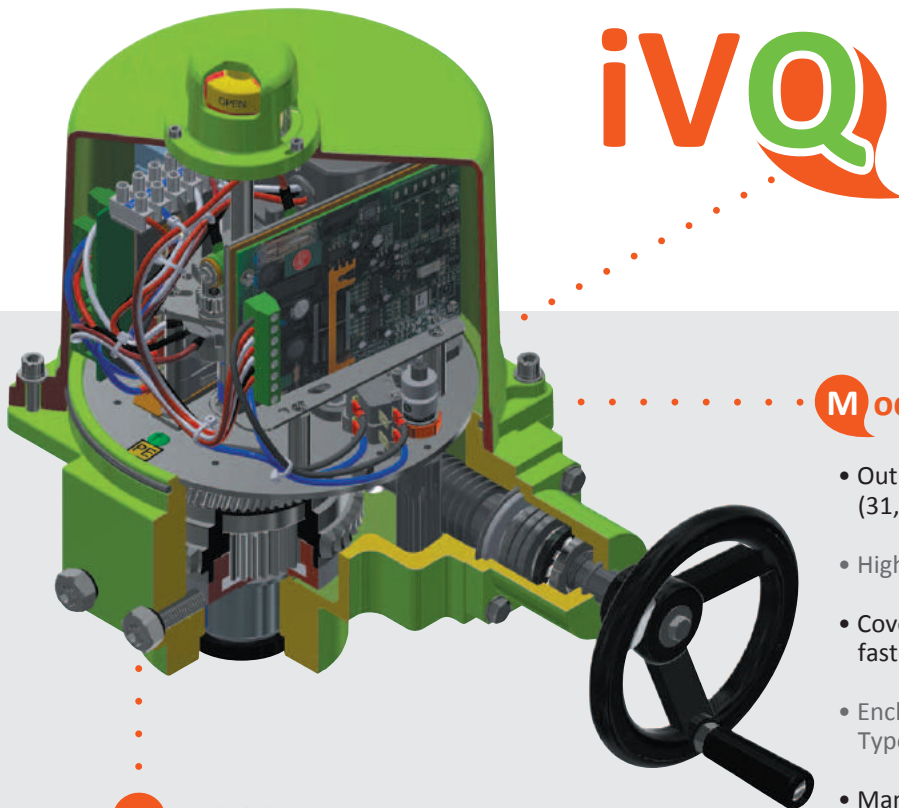
### Models come with:

- Output torques ranging from 50 N·m (445 lb·in) to 260 N·m (2,300 lb·in)
- 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
- Visual Position Indicator as standard
- Adjustable mechanical buffer for the fail end position as standard
- Mounting base conforming to ISO 5211 standard
- Space heater and thermostat provided as standard
- 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%
- TWO POSITION Control as standard
- Standard 50% Duty Cycle at 30% rated torque
- Ratings from 30 to 60 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

### Available Options:

- 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)
- ON/OFF Control (3-Position Control)
- Modulating Control (except with 24V AC/DC)
- 4-20mA Current Position Transmitter or Potentiometer (1K or 5K)
- Clutch-less geared Manual Override
- IP68 Ingress Protection provided as standard with Explosionproof Enclosures

# iVQ RANGE FEATURES



## iVQ

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

### Available Options:

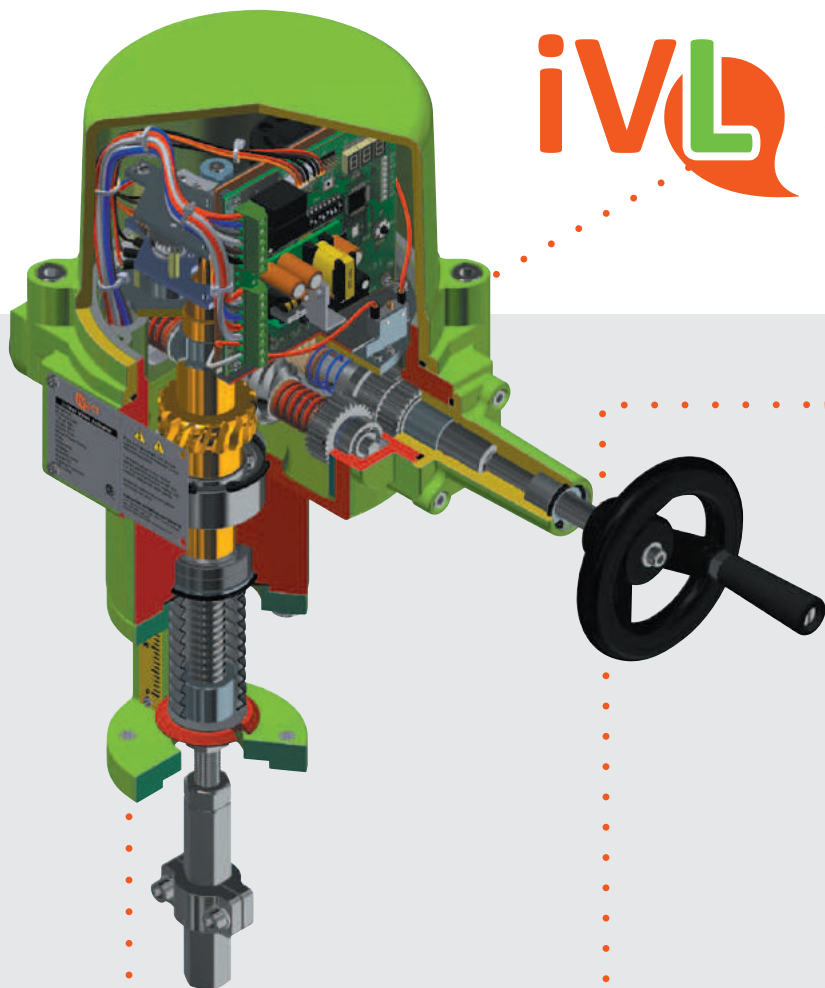
- Explosionproof Enclosures for Hazardous environments (CSA and NEMA Type 7 for Class I Div 1 Groups C & D areas and CSA and NEMA 9 for Class II Div 1 Groups E, F & G areas) (Available for iVQ-C, D, F, H, J, K, L, M & N)
- Modulating Control with ratings from 300 to 1,200 starts/movements per hour
- 50% and 75% Duty Cycles at 30% rated torque for ON/OFF and Modulating Control
- Local Controls
- Torque Switches
- 4-20mA Current Position Transmitter or Potentiometer (1K or 5K)
- Interrupter Timer (slows down the cycle time)
- Chainwheel (c/w 5m of chain) (except on iVQ-A, B, C, D)
- IP68 Ingress Protection as standard with Explosionproof Enclosures

### Models come with:

- Output torques ranging from 6 N·m (53 lb·in) to 3,500 N·m (31,000 lb·in)
- High grade aluminum alloy enclosures
- 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
- 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)
- 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  $\pm 10\%$
- 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)



range electric actuators are designed for linear operating applications on valves, dampers and linear travel devices.



## Available Options:

- ON/OFF Control

## Models come with: . . . . .

- Modulating Control c/w 4-20mA Current Position Transmitter as standard
- Standard 75% Duty Cycle at 30% rated thrust
- Ratings up to 1,200 starts/movements per hour
- Built-in Resettable Motor Thermal Protection

## Models come with:

- Output thrusts ranging from 250 KgF (550 LbsF) to 2,000 KgF (4,410 LbsF)
- Adjustable stroke ranges from maximum 50 mm (1.97 in) to 100 mm (3.94 in)
- 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
- DC motors to achieve extended life and high duty cycles
- Self locking drive system
- Grease lubricated gear train for life
- Over-thrust protection as standard
- Manual Handwheel Override as standard
- External Stem Position Indicator as standard
- Mounting base conforming to ISO 5210 standard
- Space heater and thermostat as standard
- 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%

# PRODUCT SPECIFICATIONS

## iVS

iVS Model	Output Torque		Weight		ISO 5211 Base	Manual Override	Running Time sec / 90° *	
	N-m	lb-in	kg	lb-in			Motor	Spring
iVS-A	50	445	27	60	F07	Optional Handwheel	7	3
iVS-B	130	1,150	57	126	F10	Optional Handwheel	7	8
iVS-C	200	1,770	95	209	F12	Optional Handwheel	11	12
iVS-D	260	2,300	95	209	F12	Optional Handwheel	14	12

\* Running Time based on 110V AC / 60Hz @ 50% Duty

## iVQ

iVQ Model	Output Torque		Weight		ISO 5211 Base	Manual Override	Running Time sec / 90° *
	N-m	lb-in	kg	lb			
iVQ-A	6	53	1.5	3.3	F03 / F05	Lever	8
iVQ-B	15	132	1.5	3.3	F03 / F05	Lever	19
iVQ-C	35	310	2	4.4	F03 / F05	Lever	12
iVQ-D	50	445	3	6.6	F05 / F07	Lever	27
iVQ-E	65	575	11	25	F07 / F10	Handwheel	6
iVQ-F	90	800	11	25	F07 / F10	Handwheel	17
iVQ-G	120	1,065	11	25	F07 / F10	Handwheel	8
iVQ-H	150	1,330	11	25	F07 / F10	Handwheel	26
iVQ-I	300	2,665	17	38	F07 / F10	Handwheel	24
iVQ-J	400	3,540	20	45	F10 / F12	Handwheel	19
iVQ-K	500	4,430	20	45	F10 / F12	Handwheel	26
iVQ-L	650	5,755	20	45	F10 / F12	Handwheel	34
iVQ-M	1,000	8,855	32	71	F12 or F14	Handwheel	50
iVQ-N	1,500	13,280	32	71	F12 or F14	Handwheel	51
iVQ-O	2,000	17,710	71	157	F14 or F16	Handwheel	62
iVQ-P	2,500	22,140	71	157	F14 or F16	Handwheel	62
iVQ-Q	3,000	26,565	72	159	F14 or F16	Handwheel	62
iVQ-R	3,500	31,000	72	159	F14 or F16	Handwheel	62

\* Running Time based on 110V AC / 60Hz @ 30% Duty

## iVL

iVL Model	Output Thrust		Weight		ISO 5210 Base	Running Speed		Maximum Stroke	
	KgF	LbsF	kg	lb		mm / sec	inch / sec	mm	inches
iVL-A	250	550	9.5	21	F07	0.6	0.023	50	1.97
iVL-B	500	1,100	9.5	21	F07	0.6	0.023	50	1.97
iVL-C	1,000	2,205	31	68	F10	0.5	0.019	100	3.94
iVL-D	2,000	4,410	31	68	F10	0.5	0.019	100	3.94

\* Running Speed based on 110V AC / 60Hz @ 75% Duty

## Actuator Workshop Overhaul:

- Support of iVact and Non-iVact products
- Workshop Facilities
- Large OEM Stock
- Fully Trained and Experienced Service Engineers



## Field Support:

- Site Repairs and Commissioning
- Retrofitting and Upgrades



## Innovative Actuation Incorporated (IAI) Service and Support

IAI understands the value of prompt and punctual customer site services and aims to supply its customers with superior flow control solutions, by providing high quality, innovative products and excellent service – on time, every time.

Whether you have an actuator requiring on-site servicing, a custom design service requirement or a new actuator installation, we can deliver the fastest turnaround with the least plant disruption.

For our valve and damper manufacturers and distributors, we design and engineer actuator to valve adaption components, specific to your needs and requirements.

**FOR YOUR PROJECTS WE PROVIDE ACTUATOR TO VALVE ASSEMBLY /  
INSTALLATION DRAWINGS WITH 3D MODELLING**



### Valve Automation Center:

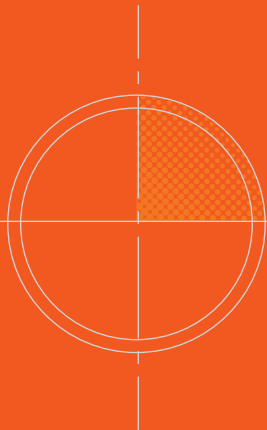
- Actuator Replacement
- New Valve Automation



WE MOUNT AND TEST  
ELECTRIC ACTUATORS ON  
VALVES AND DAMPERS



Find out more about iVact Site Services by  
emailing [service@ivact.com](mailto:service@ivact.com)



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