

## ITQ 0080



- Newly Designed and developed for especially small ball & plug valves and damper automation.
- Self-Locking combination of spur and worm gears that require no brake
- The motor is a specially designed induction motor that produces high starting torques and thermally protected from overheating.
- Mechanical Stopper bolts to prevent from over travel
- Easy set cams without special tool
- Manual operation by wrench directly to the worm gear box and dial position indication

General Specifications	
Enclosure	Weatherproof IP67, O-ring sealed
Power Supply	110,220, /1Ph/ 50,60 Hz,
	380,440V AC/ 3Ph/ 50,60Hz, 24V DC
Control Power	110,220V AC/ 1Ph/ 50,60Hz,
Duty Cycle (ON-OFF)	S2: Max 30 min
Duty Cycle (Modulating)	S4: 50%, 1,200 start/ Hour
Motor	Induction Motor
Limit Switches	2 ea for Open & Close (5A, 250V AC)
Auxiliary Limit Switches	2 ea for Open & Close (5A, 250V AC)
Travel Angle	90 ° ± 10 % by external adjustable mechanical stopper
Position Indication	Continuous mechanical indicator with arrow
Manual Override	Extruded shaft on bottom
Manual Operation	By wrench (M6) directly to the worm gear
Self Locking	by means of worm gearing
Mechanical Stopper	1 each for each travel end (open & close), external & adjustable
Terminal Block	Spring loaded push type
Cable Entries	2-M20X1.5 (Option: 2-PF 1/2")
Space Heater	3W (110/220V AC) for anti-condensing
Ambient Temperature	-20 ~ + 70 °C
Ambient Humidity	90%

Technical Specification		
Model	ITQ0080	
Rated Torque (Nm)	80Nm (8kg.m)	
Duty Cycle S2	S4: 50%, 1,200 start/ Hour	
Operating Time (Second) 50Hz	16 seconds	
Operating Time (Second) 60Hz	14 seconds	
Female Shaft Size (mm)	17X17 mm double square	
Motor Insulation Class	E	
Rated Current (Amp.)	110 Volt	0.97A
	220 Volt	0.52A
	380 Volt	0.52A
	440 Volt	0.56A
	24VDC	1.9A
No. of Handwheel	7	
ISO 5211 Mounting Flange	ISO F05 & F07 flange	
Weight (Kg)	3.5 kgs	