

Economic Style Electric Actuator
ITQ Series



ITQ



INNOBIZ
한국에너지기술연구원



ITQ 0020

- Suitable for small IT ball valve automation.
- Very high efficiency & durability.
- Free voltage (3W-2W VAC/DC Phase) and signal at 24VAC/DC
- Very compact and light weight



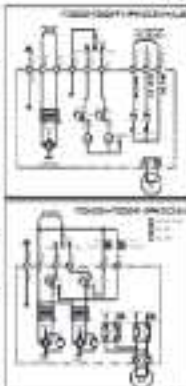
PERFORMANCE

Model	Max. output (W)	Supply voltage (V)	Operating time (min)	Stroke (mm)	Connection type	Electrical connection	Max. ambient temp. (°C)	Weight (kg)
ITQ 0020	25	50	10	10	ITQ 0020	24V AC/DC	50	1

STANDARD SPECIFICATION

Enclosure	IP65, G-ring flange
Max Power	Free voltage (3W-2W VAC/DC Phase)
Duty cycle (on-off)	50 : 50%
Motor	DC motor
Limit switches	2 for Open & Close (SA, 250VAC)
(Option) Extra Limit switch	Relays for Open & Close (SA, 250VAC)
Mounting	ISO Flange, 11 X 11 - 30°12
Travel angle	90° ± 5°
Cable entry & Wiring	1-PC IT Cable gland with cable 300mm long
Surface protection	Polyester coating
Ambient temperature	-10°C ~ +45°C
Humidity (RH)	95%

WIRING



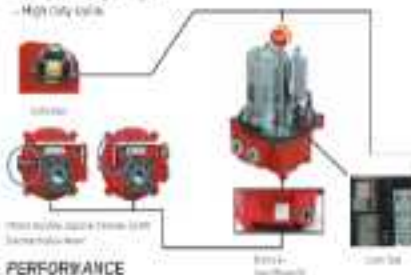
NEW ITQ 0040

- Suitable for on-off control ball plug valves and general automation
- By combination of top gears, provides very high efficiency
- The motor is a specially designed induction motor that produces high starting torque and is fully protected from overheating
- Motor is protected by thermal switch and thermal protection circuit
- Compact and light weight
- High duty cycle

NEW



Reference Particulars Catalogue
Type & Series 2 & 3
1-100/100



PERFORMANCE

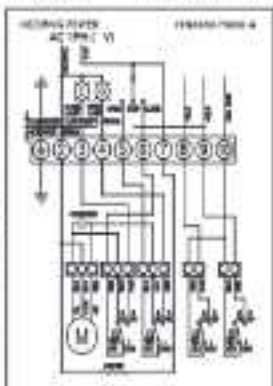
Model	Age	Size	Operating Time (Sec)	Rated Voltage	Rated Current (A)	Rated Power (W)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Torque (Nm)	Rated Torque (Nm)	Rated Torque (Nm)	Rated Torque (Nm)	Rated Torque (Nm)	Rated Torque (Nm)
ITQ 0040	40	10	10	1.0	1	1400/1000	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27

STANDARD SPECIFICATION

Body Material	PTT (G10) 100%
Body Power	100/100/100/100/100/100
Duty Cycle (On/Off)	10/10 min
Duty Underload (On/Off)	10/10 min
Motor	100/100 min
Underload Protection	100/100 min
Motor Protection	100/100 min
Manual Operation	100/100 min
Indicator	100/100 min
Mounting	100/100 min
Travel Length	100/100 min
Cable Length	100/100 min
Terminal Block	100/100 min
Surface Protection	100/100 min
Ambient Temperature	100/100 min
Humidity (%)	100/100 min

WIRING

ITQ 0040 100/100 100/100





ITQ 0080

- Newly designed and developed for extremely small size & plug valve and control automation
- Just screw perforation in your actuator gear that requires no order
- The motor is a specially designed induction motor that produces high starting torque and is inherently protected from overheating
- Mechanical singular stop to prevent more wear and tear
- Easy set points without special tool
- Manual operation by wrench directly to the worm gearbox and via position indicator



PERFORMANCE

Order	Year	Day	Working time	Van factor	Rated power	Order	Weight	Set
1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000
1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000

STANDARD SPECIFICATION

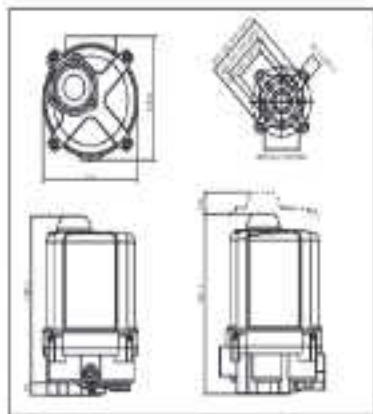
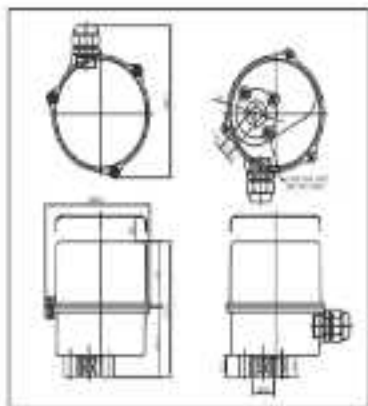
Construction	Plastic housing, 100% cast
Motor Power	1000W, 1000W, 1000W, 1000W, 1000W
Only as standard	1000W, 1000W, 1000W, 1000W, 1000W
Only as standard	1000W, 1000W, 1000W, 1000W, 1000W
Motor	Induction motor
Life expectancy	20 years (at 100% duty)
Stroke length	100mm
Manual operation	By screwing directly to the worm gear
Indicator	Central indicator, position indicator
Mounting	100mm (4" x 4") legs with square holes for fastening
Set/Reset	By screwing to the worm gear
Travel switch	2" x 1" (50mm) square, square, square, square
Cable length	1-100m (1-100m) (1-100m)
Terminal block	Long cable out type
Surface protection	Industrial, outdoor, outdoor
Accident tolerance	1000W, 1000W, 1000W, 1000W, 1000W
Material type	1000W, 1000W, 1000W, 1000W, 1000W

OPTION AVAILABLE (1000 Only)

1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W
1000	1000W, 1000W, 1000W, 1000W, 1000W

DIMENSIONAL DRAWING

ITQ 0020



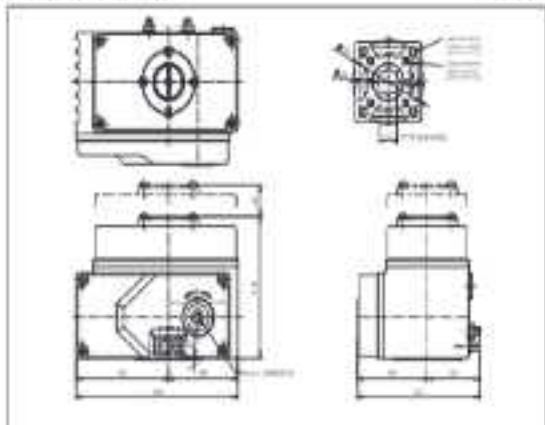
NEW ITQ 0020

NEW!!



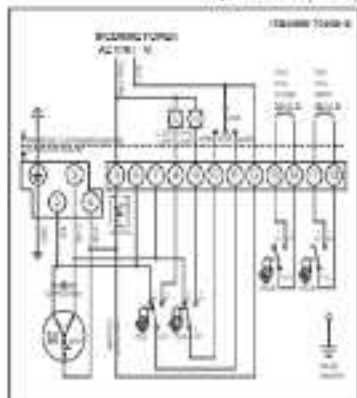
DIMENSIONAL DRAWING

ITQ 5530



WIRING

ITQ 800 110/220 /GX-075





The focus of this catalog is on solenoid valves with direct-acting and pilot-operated designs.

i-tronik[®] CONTROLS Co., Ltd.

Website: <http://www.i-tronik.com>