

Electric Linear Actuator IQL Series

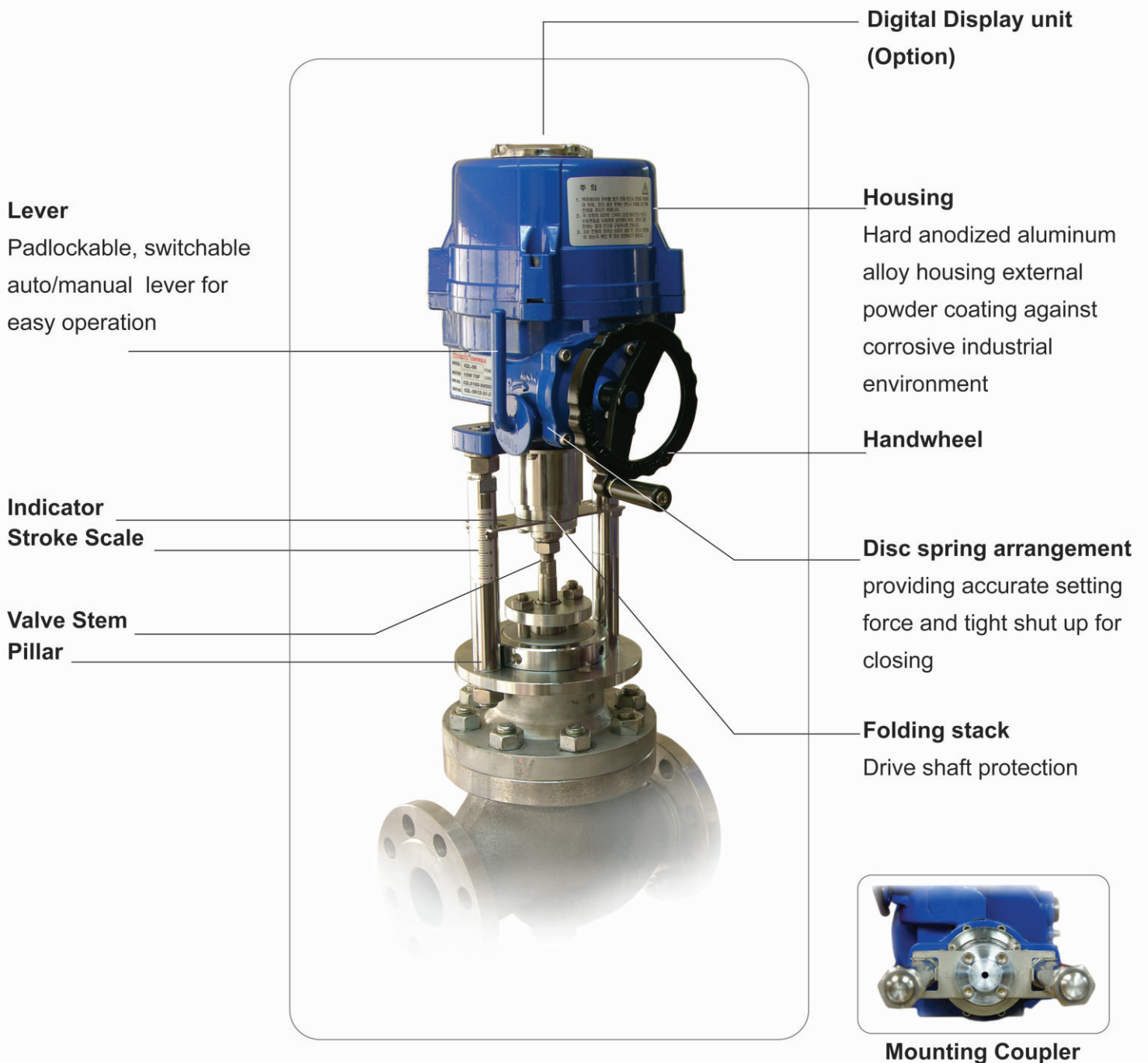


SUN i-tork

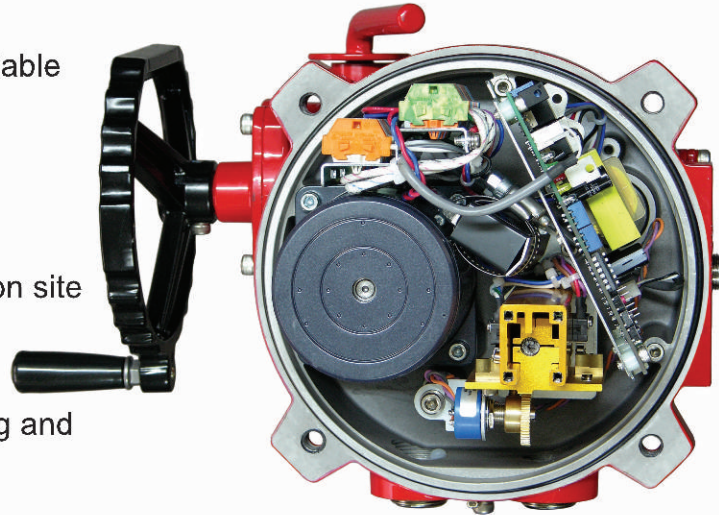


Susin I-tork designs, produces and provides high quality electric actuator and services related to industrial valve automation and controls.

IQL series linear actuator has been developed for a wide range of linear applications and to service reliable performance, long trouble free operation, more flexibility and maximized ability to integrate fully into sophisticated control system.



- Robust construction, precise positioning, reliable performance
- Wide range of application
- Compact internal Arrangement
- Modulating control options can be installed on site
- Local control options for easy commissioning and emergency operation in the field



Terminal



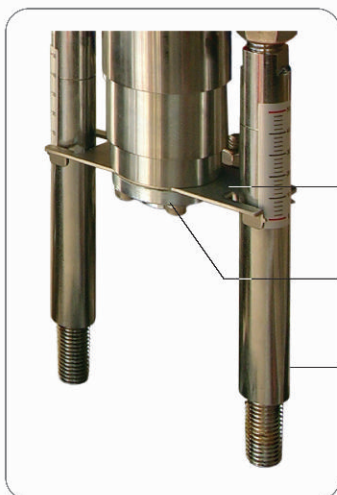
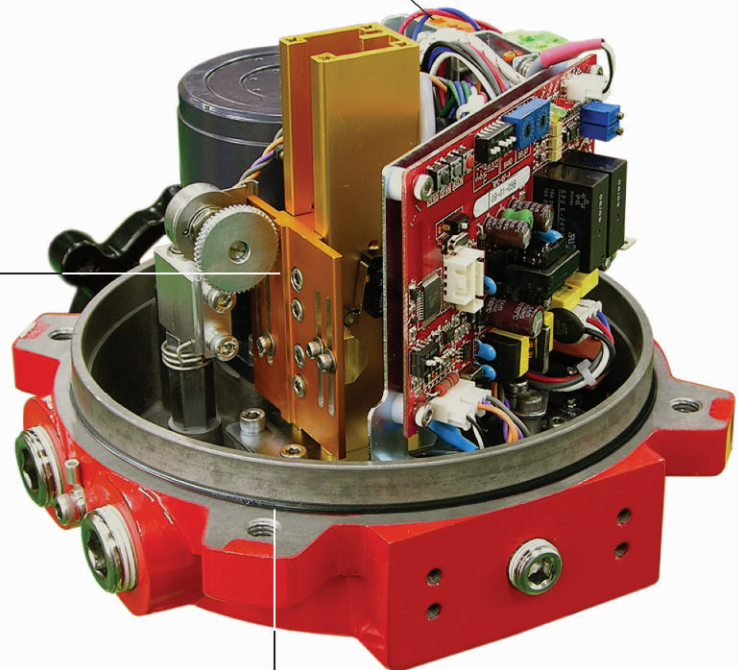
Electric Operation

- On-off

Modulating control

- 4~20 mA Input/Output
- 0-10 V or other signal selection
- Transmitter output 4-20 mA

Simple and easier handling and adjustment of Limit & Signal switches



Indicator

Coupler

Pillar

Seals & O-rings
protection to weather proof IP67

IQL ELECTRIC LINEAR ACTUATOR

TECHNICAL DATA

Model		IQL 04	IQL 06	IQL 08	IQL 10	IQL 12	IQL 20	IQL 25
Thrust Force	kN	4	6	8	10	12	20	25
Stroke	mm	40	40	50	50	50	100	100
Manual override	Handwheel with switchable declutchable lever							
Cable entry	2-3/4" PF							
Ambient temperature	-20~+70°C							
Position indication	Scale on pillar indicated by indicator							
Mounting direction	Any direction except for heading downward							
Housing	Aluminium alloy hard anodized for anti-corrosion, Epoxy Powder coated							
Enclosure	IP 67, EN60 529							
Positioning speed	mm/sec	0.7/0.83	0.7/0.83	0.7/0.8	0.7/0.8	0.7/0.8	0.85/1.1	0.85/1.1
Power supply	24 VDC, Single phase (110/220 V AC), 3 Phase (380 440 V AC)							
Motor protection	Thermal protector (Class F)							
Operating mode	S2	Max. 30 Min					Max. 30 Min	
	S4	50% ED- 1200 c/h					50% ED- 800 c/h	
Weight	Kgs	7	8	15	16	17	20	22

		Electric Data						
Rated Current 1 Phase (Amps)	110 VAC 50 Hz	0.45	0.49	0.92	0.95	0.98	1.75	1.80
	110 VAC 60 Hz	0.44	0.48	0.88	0.91	0.94	1.68	1.72
	220 VAC 50 Hz	0.26	0.29	0.48	0.50	0.52	0.93	0.95
	220 VAC 60 Hz	0.25	0.28	0.46	0.48	0.50	0.89	0.92
Rated Current 3 Phase (Amps)	380 VAC 50 Hz	0.30	0.32	0.18	0.19	0.20	0.30	0.32
	380 VAC 60 Hz	0.31	0.33	0.17	0.18	0.19	0.30	0.32
	440 VAC 50 Hz	0.28	0.30	0.17	0.18	0.19	0.32	0.34
	440 VAC 60 Hz	0.40	0.42	0.16	0.17	0.18	0.31	0.33
Rated Current DC (Amps)	24 V	3.0	3.50	2.90	3.20	3.50	6.0	7.0
Motor Protection	Thermal Switch, Class Insulation							
Space Heater	5 W (110 / 220 VAC) for anti condensation							
Limit Switch	10A 250VAC	(SPDT 1 each for open / close)			(SPDT 2 each for open / close)			
Force Switch	10A 250VAC	N/A			(SPDT 1 each for open / close)			
		Available Optional Controls						
Remote position control	(RPC)	4~20 mA, 0~10 VDC, 2~10 VDC, 1~5 VDC, 0~5 VDC						
Potentiometer	(PK)	0 ~ 1 Kohm Feedback						
Current Transformer	(CT)	4 - 20 mA output						
		Local Control						
Local Control	(1Ph) (LP4)	Local Control unit						
Local Control	(3Ph) (LM4)	LP4 with reversing contactor and transformer						
Integral unit	(ICM 1/2)	N/A			Local control with phase discriminator			
Battery back up unit	(BP)	Fail safe (Fail position either open / close /stay put)						
Explosion proof Exd IIB T4	Available							
Valve Stem Threads	mm	M20(Max)	M20(Max)	M20(Max)	M20(Max)	M20(Max)	M24(Max)	M24(Max)
PCD on Flange	mm	100	100	100	100	100	165	165
Pillar Threads		M16	M16	M16	M16	M16	M20	M20
Pillar Material	Stainless Steel, carbon steel with special surface treatment							

A joint venture with I-Tork Controls Ltd, Korea



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