



220VAC Part Turn Electric Valve

Actuator



Summary

"AOX-Q" series 220VAC part turn electric valve actuator is a new actuator developed by AOX. AOX has been focusing on the electric actuator industry for 25 years, and has a professional R&D, sales and manufacturing group to provide satisfactory services to all customers.

Product Introduction of the 220VAC part turn electric valve actuator

The actuator of "AOX-Q" series 220VAC part turn electric valve is designed with anti drop bolts. The upper cover bolts are specially designed to prevent them from falling off during maintenance and installation. All external bolts are made of stainless steel and will not rust. In addition, it uses a totally enclosed squirrel cage motor, which has the characteristics of small size, large torque, small inertial force, etc. The insulation grade of the motor is H, and the built-in overheat protection switch can prevent the motor from being damaged due to overheating.

Product Parameter (Specification)of the 220VAC part turn electric valve actuator

Type of Modulating Signal:	0-10V, 2-10V, 4-20mA, etc.	
Motor:	Asynchronous motor	
Limit switch:	2×Open/ Close, SPDT,250VAC 10A	
Auxiliary limit switch:	2×Open/ Close, SPDT,250VAC 10A	
Torque switch:	Close/Open, each 1, SPDT,250VAC 10A	Except AOX-Q-005/008/010

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Self-locking device:	Self-locking by worm and worm gear
Space heater:	30W(110V/220VAC)
Conduit entry:	2 × PT 3/4"
Ambient temperature:	-25℃~+70℃ (-30℃、-40℃、-60℃ optional)
Lubrication:	Grease moly (EP type)
Material:	Steel, Aluminum alloy, Aluminum bronze, Polycarbonate
Ambient humidity:	Max 90% RH
Anti-vibration:	X Y Z 10g, 0.2~34 Hz, 30 minutes
External coating:	Dry powder, Epoxy polyester, high anti-corrosion
Type of On-off Signal:	Contact signal. Pulse signal
Type of Modulating Signal:	0-10V, 2-10V, 4-20mA, etc.
Type of Field-bus Signal:	Modbus-RTU, Profibus-DP, etc.
Local Controller:	AOX remote control(Optional)

Model	Max Output Torque	60/50Hz Operating Time	Max Drive Shaft Size	Power	Rated Current (A)				Hand wheel Revolution	Weight
					single phase		three phases			
	N·M	90°	mm	W	110V	220V	380V	440V	N	Kg
AOX-Q-005	50	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-008	80	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-010	100	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-015	150	21/25	Φ20	40	1.65/1.67	0.88/0.84	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-020	200	21/25	Φ20	40	1.67/1.67	0.89/0.85	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-030	300	26/31	Φ32	90	1.85/1.86	0.92/0.92	0.35/0.35	0.34/0.34	13.5	22
AOX-Q-050	500	26/31	Φ32	120	3.60/3.62	1.55/1.58	0.59/0.59	0.58/0.58	13.5	23

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AOX-Q-060	600	26/31	Φ32	120	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.58	13.5	23
AOX-Q-080	800	31/37	Φ40	180	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	16.5	29
AOX-Q-120	1200	31/37	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	16.5	29
AOX-Q-150	1500	78/93	Φ40	120	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.58	40.5	77
AOX-Q-200	2000	93/112	Φ40	180	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	49.5	83
AOX-Q-300	3000	93/112	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	49.5	83
AOX-Q-400	4000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83
AOX-Q-500	5000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83
AOX-Q-600	6000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83

Operational specification of the 220VAC part turn electric valve actuator

No.	Option scheme	Remark
1	Explosion-proof actuator (Exd II CT5)	AOX-Q series
2	Potentiometer unit (1K-10K)	AOX-Q series
3	Proportion control unit (control signal 4-20mA DC/1-5V/1-10V)	AOX-Q series
4	Local control units (local control open/stop/close optional switch, local/remote switch)	AOX-Q series
5	Travel 120°, 180°, 270°	AOX-Q series
6	Direct current motor(24VDC)	AOX-Q series
7	Water-proof actuator (IP68,10M,250HR)	AOX-Q series
8	Reverse electromagnetic control and transmission integrated motor starter	AOX-Q series
9	Torque switch (SPDT× 2 250VAC 10A)	Except AOX-Q-005/008/010
10	Electric current position sensor (output 4-20mA DC)	AOX-Q series

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11	High temperature resistance actuator (-10°C ~ +100°C)	AOX-Q series
12	Low temperature resistance actuator (-40°C ~ +70°C)	AOX-Q series
13	Low speed actuator	AOX-Q series

Application field of the 220VAC part turn electric valve actuator



Oil & Gas



Water treatment



Chemical industry



Paper making



Metallurgy



Electric industry

Our company specializes in producing electric actuators with reasonable structure and novel appearance. It has reached international advanced level and has been exported to Europe and America in large quantities, and has achieved many honors. They are widely used in various industries such as petroleum, chemical, water treatment, shipping, paper making, power station, heating, building automatic control, light industry, etc.

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