



Water Proof Electric Part Turn Ball Valve Actuator

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However, in the case of higher water proof requirements, AOX also provides the option of IP68 for customers to choose.

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Summary

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Product Introduction of the water proof electric part turn ball valve actuator

"AOX-Q" series **water proof electric part turn ball valve actuators** are widely used in oil, water treatment, power station, heating, building automation, light industry and other industries."AOX-Q" series electric valve actuators are suitable for ball valves, butterfly valves, dampers and other valves. The manual structure of the "AOX-Q" series electric ball valve actuator is a hand wheel. The design of the hand wheel ensures safety, reliability, labor saving and small size. In case of power failure, pull the clutch handle

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for manual operation. When energized, the clutch will automatically reset (Note: in the case of no power, the electric actuator will remain in the permanent manual state).



Product Parameter (Specification)of the water proof electric part turn ball valve actuator

Torque range:	50~6000N.m
Switching time:	22~185 S
Working time:	S1 long time standard for both On-off and modulating type; S2 standard, 30 min.
Material of Actuator Body:	Aluminium Alloy
Type of Modulating	0-10V, 2-10V, 4-20mA, etc.

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Signal:	
Motor:	Asynchronous motor
Auxiliary limit switch:	2×Open/ Close, SPDT,250VAC 10A
Travel:	90°±10° 0°~270°
Indicator:	Continuous position indicator
Self-locking device:	Self-locking by worm and worm gear
Ambient temperature:	-25℃~+70℃ (-30℃、-40℃、-60℃ optional)
Lubrication:	Grease moly (EP type)
Material:	Steel, Aluminum alloy, Aluminum bronze, Polycarbonate
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.

Model	Max Output	60/50Hz	Max Power	Rated Current (A)		Hand wheel	Weight
				single phase	three phases		

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	ut	Operati	Driv					Revoluti		
	Torq ue	ng Time	e Sha ft Size					on		
	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	Φ3 2	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	Φ4 0	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	Φ4 0	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	Φ4 0	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	Φ4 0	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	Φ4 0	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	Φ4 0	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	Φ4 0	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	Φ4 0	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83



Product Feature And Application of the water proof electric part turn ball valve actuator

Other electric actuators



AOX-Q series



Other electric valve actuator manufacturers have designed hex wrenches for manual operation, but the wrenches are not fixed on the box and are easy to be lost. After losing, the customer needs to configure additional hex wrenches, which increases the cost invisibly. However, AOX places the wrench on the box, which is not easy to be lost on site and easy to use, and also reduces the invisible cost during use.

Production details of the water proof electric part turn ball valve actuator

1.window

The window is made of polycarbonate, with built-in O-ring and fixed by metal gland. The gland is equipped with two drainage channels, which is not easy to accumulate water. It has amplification effect and is convenient to observe the valve position.

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2.Torque switch

The torque switch can prevent the motor, internal components and their connecting valves from being damaged due to overload (except aox-q-005 / 008 / 010). When the valve is jammed and there is foreign matter, the motor power supply will be automatically disconnected, which can more effectively protect the valve and electric actuator from damage.

