



New Exd 1/4 Turn Electric Actuator



"AOX-Q" series ball valve actuator is a newly designed New Exd 1/4 Turn Electric Actuator manufactured by AOX from China. "AOX-Q" series angular stroke electric actuators are used to control valves with rotation less than 360 ° and similar products, such as butterfly valves, ball valves, plug valves, shutter valves, etc. the maximum output torque is 6000NM

with 380V / 220V / 110V AC power supply as the driving power. The products have obtained CE and Exd II CT5 explosion proof certificates.

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Summary

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Product Introduction of the New Exd 1/4 Turn Electric Actuator

"AOX-Q" series **New Exd 1/4 Turn Electric Actuators** are widely used in oil, water treatment, power station, heating, building automation and other industries. The "AOX-Q" series electric actuator has a self-locking function, which means that it has a precision double worm gear mechanism. This mechanism K can efficiently transmit large torque, has high efficiency, low noise (up to 50 dB), long service

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life, and has a self-locking function to prevent reverse rotation. The transmission part is stable and reliable without refueling.



Product Parameter (Specification)of the New Exd 1/4 Turn Electric Actuator

Torque range:	50~6000N.m
Working time:	S1 long time standard for both On-off and modulating type; S2 standard, 30 min.
Material of Actuator Body:	Aluminium Alloy
Display Mode:	LCD, indication of opening(0-100%) and open/close fault
Type of Modulating	0-10V, 2-10V, 4-20mA, etc.

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Signal:	
Power:	Standard:220VAC/1ph Optional:110VAC/1ph, 380V/440V/3ph,50/60Hz, ±10% 24VDC/110VDC/220VDC
Motor:	Asynchronous motor
Auxiliary limit switch:	2×Open/ Close, SPDT,250VAC 10A
Material:	Steel, Aluminum alloy, Aluminum bronze,Polycarbonate
Ambient humidity:	Max 90% RH
Anti-vibration:	X Y Z 10g,0.2~34 Hz,30 minutes
Type of On-off Signal:	Contact signal. Pulse signal
Type of Field-bus Signal:	Modbus-RTU, Profibus-DP, etc.
Local Controller:	AOX remote control(Optional)

Model	Max Output Torque	60/50Hz Operating Speed	Max Power Driver Type	Rated Current (A)		Hand wheel Revoluti on	Weig ht
				single phase	three phases		

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	ue	Time	Sha						N	Kg
	N-M	90°	ft		Size	110V	220V	380V		
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
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

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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	155/18 5	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	155/18 5	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	155/18 5	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 New Exd 1/4 Turn Electric Actuator

Other electric actuators

AOX-Q series

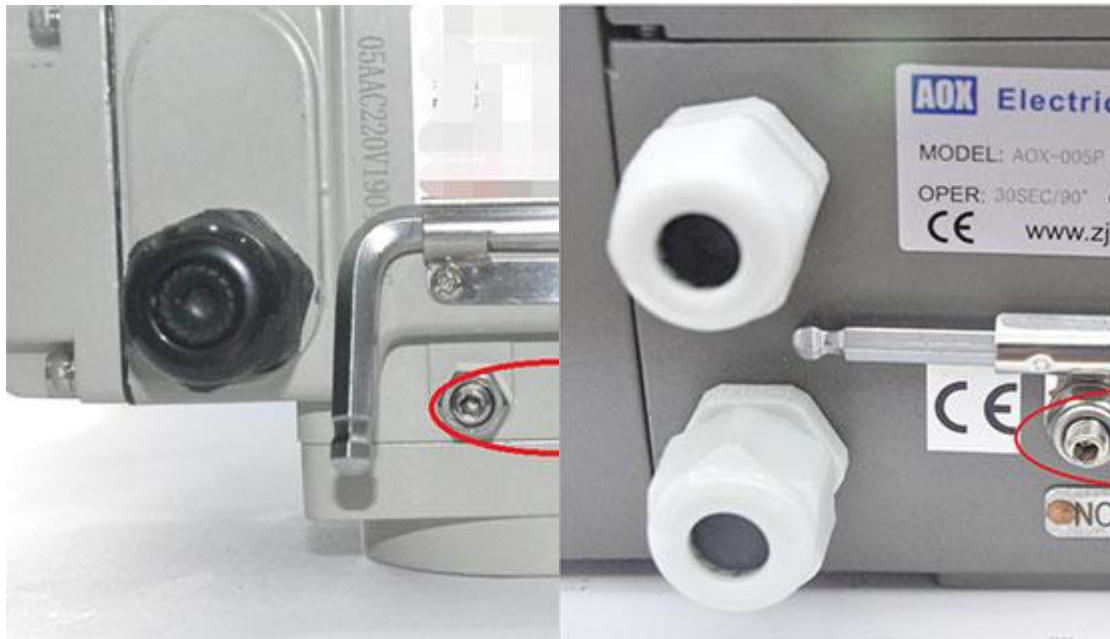
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AOX's electric actuators are better in quality than other electric actuator manufacturers when used on nuts and other parts. For example, AOX adopts anti falling nuts, which can still be kept loose in case of strong field vibration to ensure accurate positioning. However, the mechanical limit parts of other manufacturers adopt common nuts, which may easily fall off due to field vibration, resulting in over travel or locked rotation, resulting in inaccurate positioning.

Production details of the New Exd 1/4 Turn Electric Actuator

Install: The installation dimension of the bottom complies with is05211 international standard. The drive shaft sleeve can be disassembled and processed as required, with strong adaptability. It can be installed vertically or horizontally.

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