



Three Phase Electric Part Turn Butterfly Valve Actuator

"AOX-Q" series motor valve actuator is a newly designed three phase electric part turn butterfly valve actuator manufactured by AOX from China. The "AOX-Q" series electric valves actuator are made of hard aluminum alloy and conform to IP67 dust-proof and waterproof grade. IP67 has the highest dust-proof level, and the waterproof level is also relatively high.

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Summary

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Product Introduction of the three phase electric part turn butterfly valve actuator

"AOX-Q" series **three phase electric part turn butterfly valve actuators** are widely used in oil, water treatment, power station, heating, building automation, light industry and other industries. In order to facilitate use, AOX is designed to install the indicator on the

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central shaft to observe the valve position. The mirror adopts convex lens design, which is not easy to accumulate water. Even in a water environment, it is convenient to observe.

The control circuit of "AOX-Q" series electric actuator conforms to the single-phase or three phase power supply standard. The circuit layout is compact and reasonable. The wiring terminal can effectively meet the requirements of various additional functions (can be processed separately according to the requirements of customers).



Product Parameter (Specification)of the three phase electric part turn butterfly 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.

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Display Mode:	LCD, indication of opening(0-100%) and open/close fault	
Type of Modulating Signal:	0-10V, 2-10V, 4-20mA, etc.	
Power:	Standard:220VAC/1ph Optional:110VAC/1ph, 380V/440V/3ph,50/60Hz, ±10% 24VDC/110VDC/220VDC	
Limit switch:	2×Open/ Close, SPDT,250VAC 10A	
Auxiliary limit switch:	2×Open/ Close, SPDT,250VAC 10A	
Travel:	90°±10°	0°~270°
Conduit entry:	2 × PT 3/4"	
Ambient temperature:	-25℃~+70℃ (-30℃、-40℃、-60℃ optional)	
Material:	Steel, Aluminum alloy, Aluminum bronze,Polycarbonate	
Ambient humidity:	Max 90% RH	
External coating:	Dry powder, Epoxy polyester,high anti-corrosion	
Local Controller:	AOX remote control(Optional)	

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Model	Max Output Torque	60/50Hz Operating Time	Max Drive Shaft Size	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	1.65/0.67	0.88/0.84	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-020	200	21/25	Φ20	40	1.67/0.67	0.89/0.85	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-300	300	26/31	Φ30	90	1.85/1.67	0.92/0.85	0.35/0.31	0.34/0.31	13.5	22

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AOX-Q-050	500	26/31	Φ3 2	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	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-6000	6000	155/185	Φ4	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83



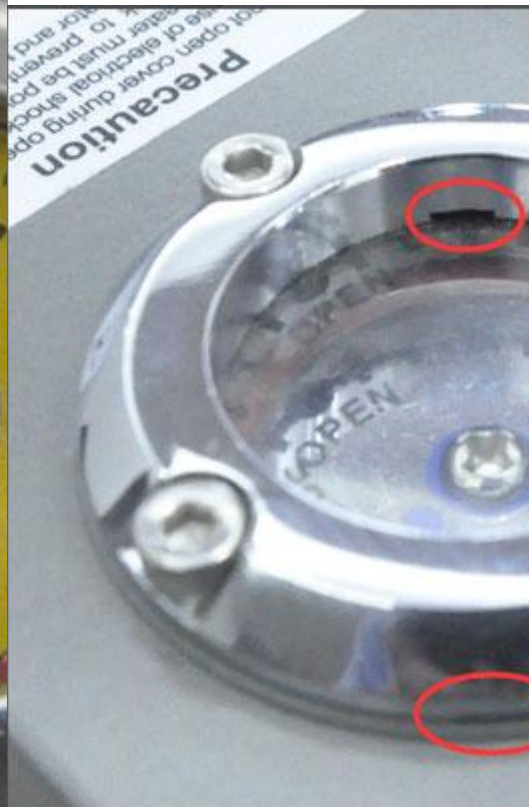
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600		5	0	10	30	87	81		
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Product Feature And Application of the three phase electric part turn butterfly valve actuator

Other electric actuators

AOX-R series



Other electric actuator manufacturers use plastic and glass materials in the lens structure, which is very easy to wear, while "AOX-Q" series electric actuators use metal and tempered glass, which is not easy to damage and

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more convenient to observe. The products of other electric actuator manufacturing factories use chemical adhesive, which may cause aging and water ingress due to high temperature and high pressure on the site. The mirror of AOX products uses convex lens, and there is a water outlet, which will not cause water accumulation; And it has continuous valve opening indication, which is more convenient for observation.

Production details of the three phase electric part turn butterfly valve actuator

1. Anti falling bolt

The upper cover bolts are specially designed to prevent falling off during maintenance and installation. All external bolts are made of stainless steel and will not rust.



2. The joint surface of the upper cover and the shell is inclined

For other actuators, due to the junction between the upper cover and

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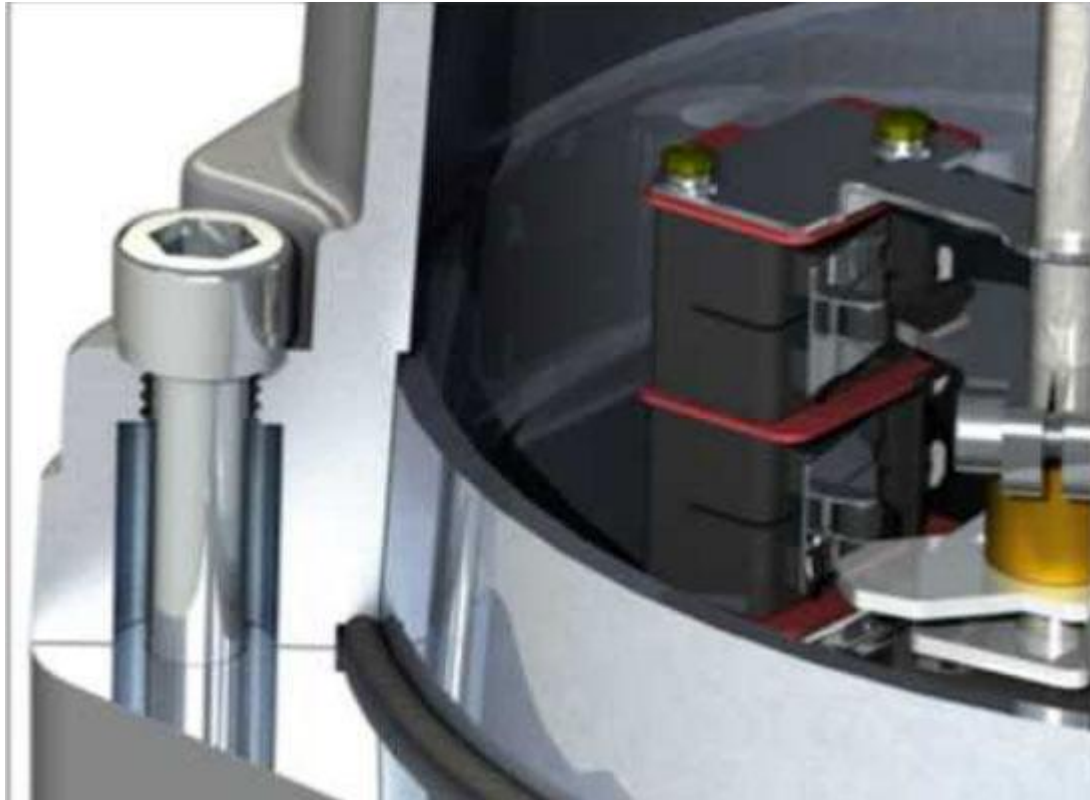
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the housing, the joint surface is vertical, so it is difficult to remove the upper cover because the tolerance here is very small. The "aox-q" series actuators are designed with a 3° slope to solve this problem.



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