



## Electric part turn ball valve actuator with potentiometer unit



Electric part turn ball valve actuator with potentiometer unit is suitable for quarter-turn applications - designed for valves, dampers and automation of rotary machines and produce torque range of 50Nm to 6000Nm. AOX is a **supplier** to many large enterprises. Based on technical theory and rich experience, AOX company's unique technical

know-how is the basic driving force for all product development and scientific production. AOX company is growing into a leading company in valve automation industry with advanced technology.



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## **Electric part turn ball valve actuator with potentiometer unit**

### **Introduction**

Electric part turn ball valve actuator with potentiometer unit is specially designed for a swing angle ranging between 90° and 270°, such as butterfly valves, ball valves. Electric part turn ball valve actuator with potentiometer unit meets international standards and is designed with the aim of high reliability and long service life - trying to minimize maintenance requirements. AOX is Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

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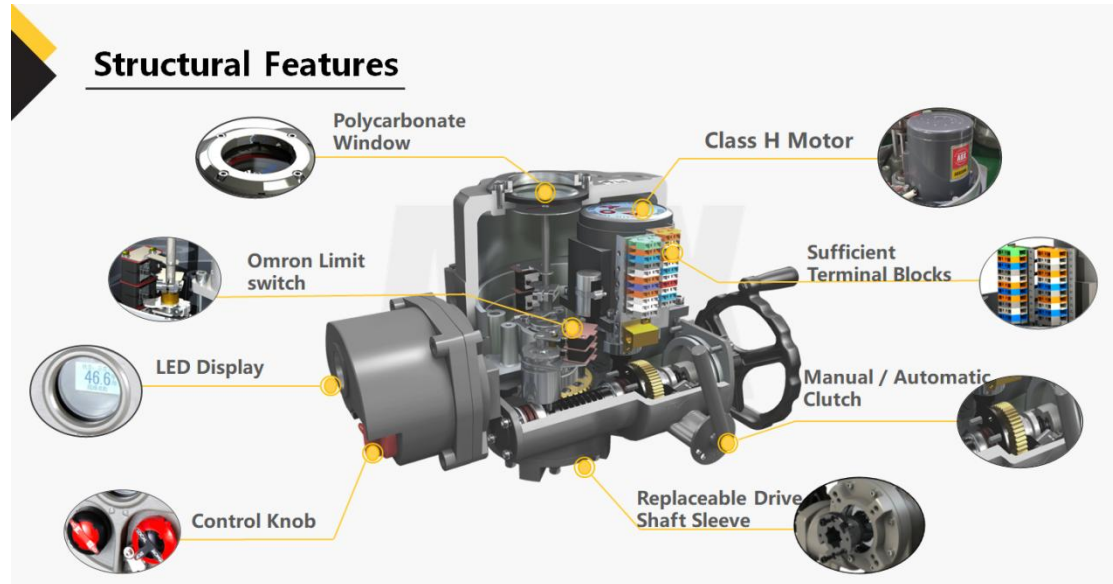
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an electric actuator **manufacturer** from China. AOX implementers guarantee safe and reliable services under various extreme environmental conditions. We hope we can cooperate with your company in the near future.





## Product Images



Electric teflon butterfly valve



Electric hard seal butterfly valve



Electric soft seal butterfly valve



Electric fluorine lined butterfly valve

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### Parameter (Specification)

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Model	Max Output Torque	60/50Hz Operating Time	Max Drive Shaft Size	Power	Rated Current (A)				Hand wheel Revolution	Weight
					single phase		three phases			
					110V	220V	380V	440V		
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
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

## Electric part turn ball valve actuator with potentiometer unit

### Feature And Application

Torque range: 50~6000N.m

Switching time: 22~185 S

Control method: On and off / modulating type/ Intelligent type

Weight: 7.5 KGS~83 KGS

Material of Actuator Body: Aluminium Alloy

Related humidity: <90%(25℃).

Local Control Unit: Local control knob of open/close/stop, switch knob of close control remote control/Bus control(non-intrusive)

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## Comparison With Other Products (Eight Major Improvements)

Other manufacturers	Description	Other manufacturers	Description
	The gasket is easily deformed by temperature and other reasons, resulting in reduced sealing performance, which is not very aesthetically pleasing.		The combination of upper and lower cover adopts concave and convex structure, inner gasket O-ring, strong sealing performance, beautiful appearance, high protection level, more convenient for debugging and wiring, only need to open the upper cover
	The use of chemical adhesives may lead to ageing and water ingress due to high temperatures and pressures on site, and the plastic and glazing are easily damaged.		Convex mirror surface, no water accumulation, and continuous valve opening indication, more convenient observation, external metal, not easy to damage
	Ordinary terminal blocks, in the field of temperature difference or vibration, will cause the fastening screws to loosen, resulting in poor contact phenomenon.		The use of self-actuating pop-up terminals guarantees absolute reliability and is a symbol of high-end products.
	The gearboxes are made of plastic, and individual manufacturers use powder alloys for the gears, which are prone to wear.		The gearbox is made of 40Cr, refined by three heat treatments, more solid and reliable

Patent No.: ZL 2013 3 0145624.9  
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 ZL 2013 3 0112341.4  
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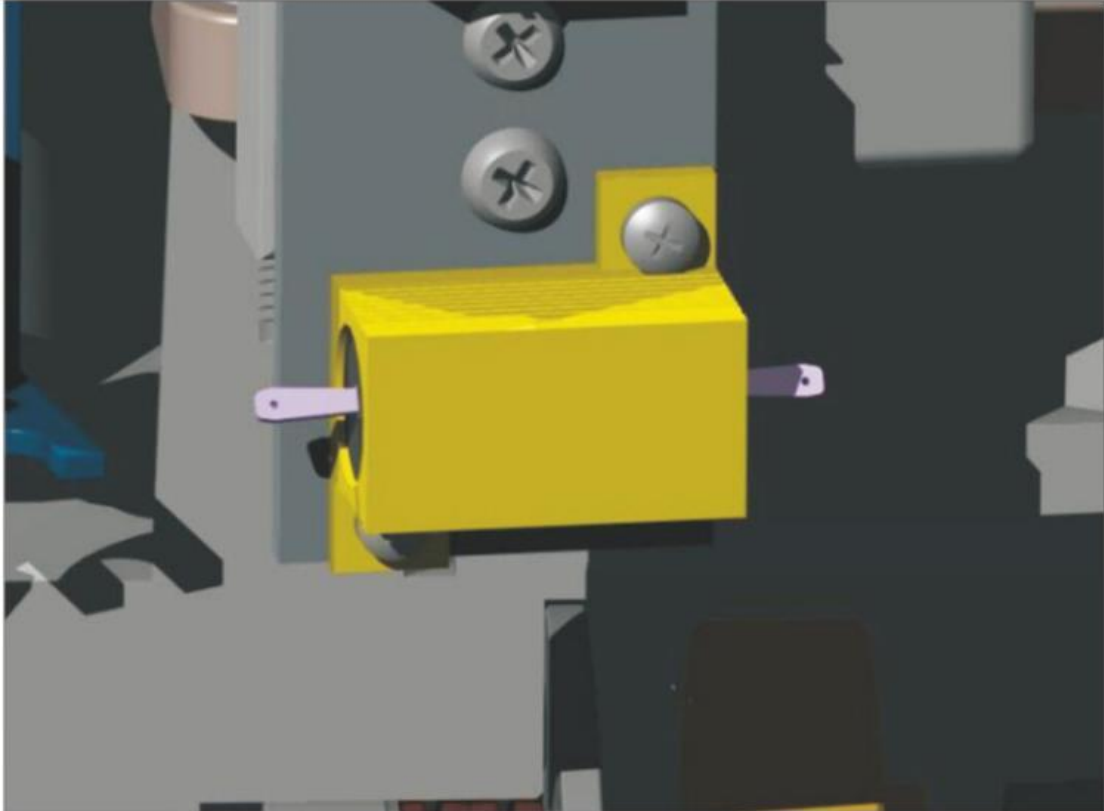
### Details

1. Wide range of voltage available.
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2. Space heater for electric part turn ball valve actuator with potentiometer unit
- Metal casing, fast heat,long life, with the built in temperature switch to prevent overheating.
  - Core ceramic sealing member, there is no risk of leakage.



3. Captive cover bolts for a electric part turn ball valve actuator with potentiometer unit
- Designed to prevent losing it during maintenance or installation.
  - All external bolts are stainless steel for rust prevention.

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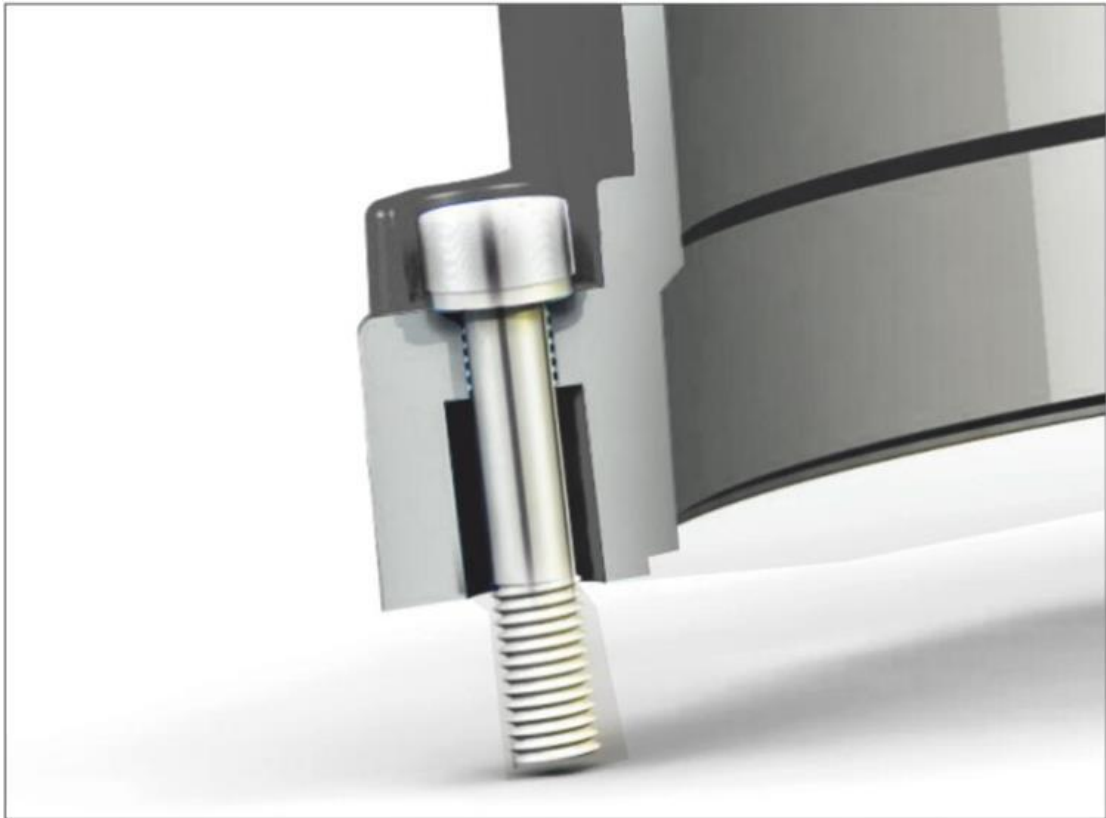
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