



## AOX Waterproof part turn electric actuator



AOX waterproof part-turn electric actuators are newly designed and developed for ball valves, butterfly valves, plug valves, dampers and other similar applications from 90 degrees to 270 degrees. AOX waterproof part-turn electric actuator waterproof grade can be tried in any harsh situation, with good waterproof performance, AOX is a Chinese electric actuator **manufacturer**. AOX is committed to creating the best waterproof performance electric actuators. AOX waterproof part-turn electric

actuator has a novel appearance and a higher grade, which is the first choice of most customers.



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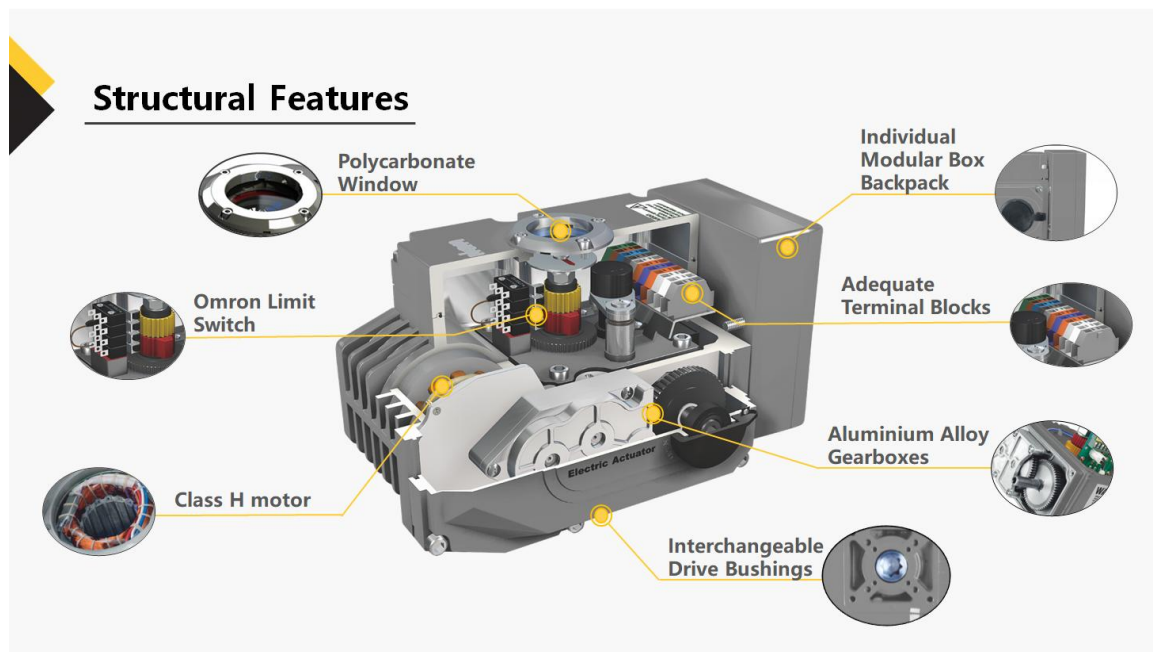
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## 1.AOX waterproof part turn electric actuator Introduction

AOX waterproof part turn electric actuator is newly designed and developed for on-off and modulating small ball/plug vavles and damper automation.AOX has 23 years of accumulation in the field of fluid control industry.According to the different inquiry of the market, we have developed a series of AOX waterproof part turn electric actuator. AOX has its own factory in China .And our good reputation is gained by the reliability and stability performance in the field of valve fluid control.



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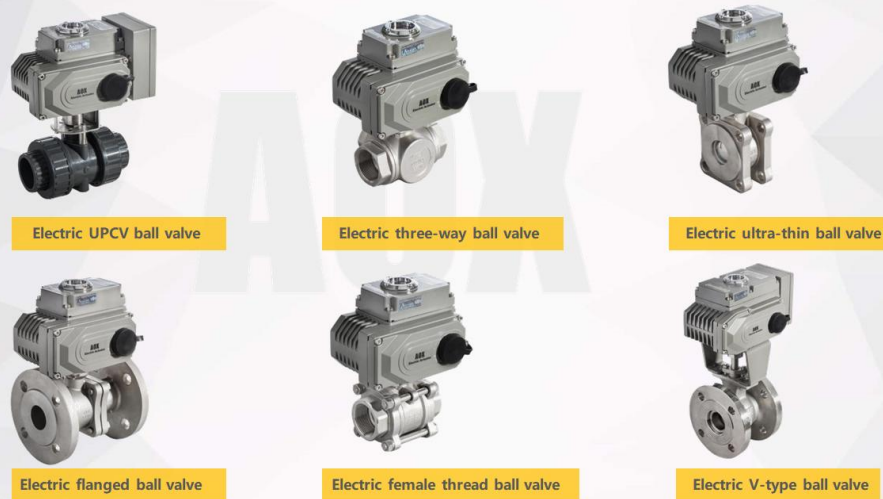
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## Product Image



## Product Image





## 2.AOX waterproof part turn electric actuator Parameter (Specification)

Model	Max output torque	Operating Time 90°	Drive shaft(mm)		Power	Rated current (A)	Weight
	N-M	( 90°)	Square	Deep	(W)	220VAC/1ph	(kg)
AOX-R-003	30	20	11×11	15.5	8	0.25	2.1
AOX-R-005	50	30	14×14	18	10	0.24	3.6
AOX-R-008	80	30	14×14	18	10	0.26	3.6
AOX-R-010	100	30	17×17	22.5	15	0.40	4.6
AOX-R-015	150	40	17×17	22.5	15	0.42	4.6
AOX-R-020	200	30	22×22	26	60	0.28	13
AOX-R-030	300	30	22×22	26	60	0.32	13.4
AOX-R-040	400	30	22×22	26	60	0.34	13.8
AOX-R-060	600	40	27×27	32.5	60	0.35	14
AOX-R-080	800	40	27×27	32.5	90	0.56	14.3
AOX-R-100	1000	40	27×27	32.5	90	0.59	14.5
AOX-R-160	1600	60	Max Φ40	65	90	0.60	68
AOX-R-200	2000	60	Max Φ40	65	90	0.62	68
AOX-R-300	3000	120	Max Φ40	65	90	0.64	68
AOX-R-400	4000	200	Max Φ40	65	90	0.66	68
AOX-R-500	5000	200	Max Φ40	65	90	0.67	68

## 3.AOX waterproof part turn electric actuator Feature And Application

Torque range: 30~5000N.m

Switching time: 20~200 S

Working time : S1 long time standard for both On-off and modulating type.

S2 standard, 30 min.

Ambient temperature: -20°C~+70°C

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

Applicable valve : Ball Valve (DN15-DN200); Butterfly Valve (DN25-DN400)

Material of Actuator Body: Aluminium Alloy

Related humidity: <90%(25°C).

Type of Field-bus Signal: Modbus-RTU, Profibus-DP, etc.

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Local Controller: AOX remote control(Optional)









## 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  
 ZL 2013 3 0145691.0  
 ZL 2013 3 0112341.4  
 ZL 2013 3 0112302.4



## Comparison With Other Products (Eight Major Improvements)

	Spanner not fixed to the case, easily lost		The spanner is placed on the box, so it is not easily lost on site and is easy to use
	Regulated modules have built-in, electronic components that are affected by the temperature generated during operation.		The adjustment module is mounted externally and the bare board dissipates heat better, solving the contradiction that the maximum temperature of the actuator is 120° C while the temperature of the electronic components of the module is only 85° C. The weak control power supply is used and the quality of the module will not be affected by the unstable voltage on site.
	The screws of other manufacturers' housings are not equipped with an anti-dislodgement function, which can easily lead to the dislodgement of the screws during maintenance when removing the housing at height.		The top cover bolts are specially designed not to come off during maintenance and installation. All external bolts are made of stainless steel and will not rust
	Other manufacturers use M3 screws for unrealistic positioning, inaccurate, slippery threads, M3 spanners are not easy to find on site and other drawbacks.		AOX has improved the electrical cam structure by integrating the four cams into two and isolating them with a butterfly shaped bullet, topped with an anti-loosening nut, and using imported Omron travel switches.

Patent No.: ZL 2013 3 0111005.8  
 ZL 2013 3 0111120.5  
 ZL 2013 3 0111352.0



## 4.AOX waterproof part turn electric actuator details

1. Multi-voltage for AOX-R series water proof motorized part turn actuator:The voltage of AOX-R series quarter turn actuator can be 220VAC,380VAC,110VAC and 24VDC.

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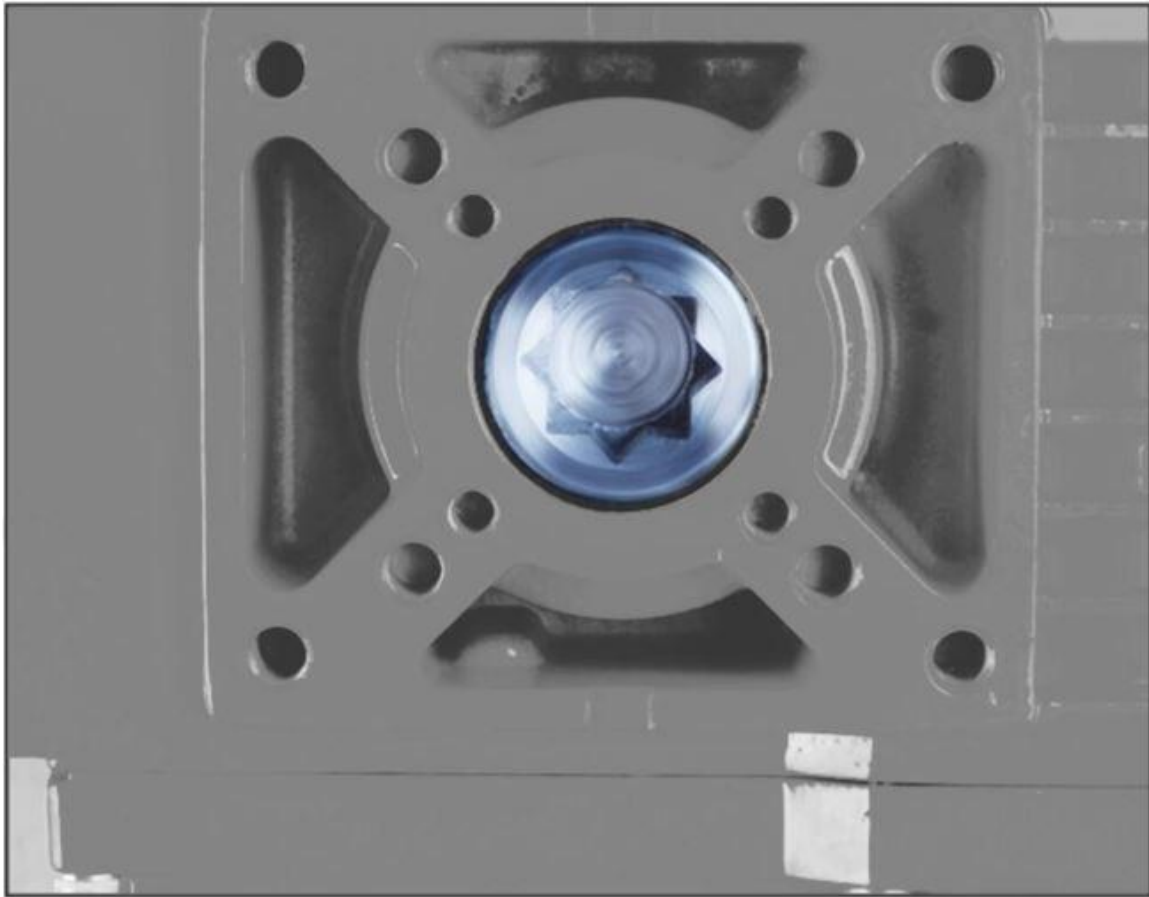
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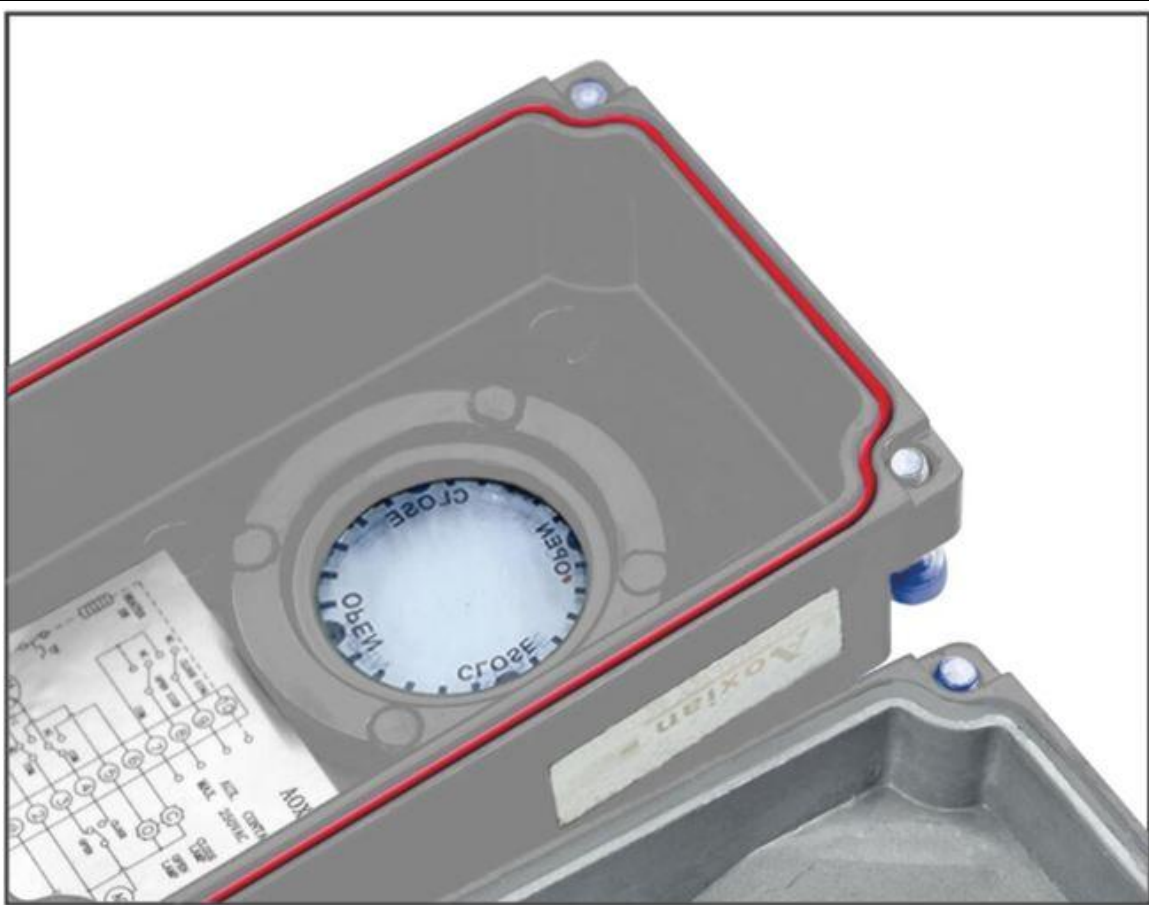
2. ISO 5211 mounting base:Wide, easy mounting base standard to ISO5211/DIN3337.



3. Well sealing for AOX-R series water proof motorized part turn actuator:By improveing the concave-convex structure of the shell and cover,and sealing with silicone rubber to provide water proof IP67 and IP68(option).



[www.aox-privod.com](http://www.aox-privod.com)



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