



## Open close quarter turn electric actuator

AOX-R series open close quarter turn electric actuator is suitable for on-off small ball/plug valves and damper automation. We provide AOX-R series open close quarter turn electric actuator for buildings, plants, steelworks, powerplants, etc. AOX executing agencies are available to more than 30 countries. We are committed to producing high-quality executing actuators at lower economic prices for the benefit of our customers. We are committed to providing our distributors and customers with the best service.

## Features

Torque range: 30~5000N.m

Voltage: AC110~265V , AC / DC 24V Multi voltage input

Single phase: AC220V / AC110V / AC24V / DC24V

Manual Override: N/A

Mounting Flange (ISO 5211) : F04/F05/F07/F10/F12/F14/F16

Output signal(On-off type): Fully open & fully close passive contact(2A 250VAC).

Type of On-off Signal: Contact signal. Pulse signal

1. Compact design: Small, light and compact design, high torque and various control option will meet your specific requirement.
2. Long service life: Precise design and high quality materials ensure the high stability and long service life for AOX-R series open close quarter turn electric actuator.
3. Optional space heater--It is used for controlling temperature to avoid condensing internal of housing and keep dry.

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang  
China 325200

Tel: [+86-577-59890750](tel:+86-577-59890750)

E-mail: [zjax@zjax.com](mailto:zjax@zjax.com)

Mob: [+86-18967766527](tel:+86-18967766527)



4. Fully enclosed squirrel-cage asynchronous motor: The motor of AOX-R series open close quarter turn electric actuator is a specially designed induction motor that produces high starting torques and thermally protected from overheating.



## Our Advantages

### Other



### AOX





The high-torque AOX-R series open close quarter turn electric actuator has a gearbox and the gearbox housing is made of ductile iron. The worm gears of other models of our company are all full worm gear type, which can be rotated 360 degrees, so that even in the process of debugging, even if the head is turned over, it will not be damaged, which is more convenient for troubleshooting.

## Performance Parameter

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

## Standard Specification

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang  
China 325200

Tel: [+86-577-59890750](tel:+86-577-59890750)

Mob: [+86-18967766527](tel:+86-18967766527)

E-mail: [zjax@zjax.com](mailto:zjax@zjax.com)



Shell	Aluminum alloy Shell, Enclosure:IP67,IP68 is optional	
Power	Standard:220VAC/1ph Optional:110VAC/1ph, 380V/440V/3ph,50/60Hz, ±10% 24VDC/110VDC/220VDC	
Controlling power	110/220VAC/1ph, 50/60 Hz, ±10%	
Motor	Squirrel-cage asynchronous motor	
Limit switch	2×Open/ Close, SPDT,250VAC 10A	
Auxiliary limit switch	2×Open/ Close, SPDT,250VAC 10A	
Travel	90 °~270 °±10 °(Please specify in advance if over 90 °)	0 °~270 °
Fail safe/ Operating temperature	Internal-placed thermal protection, Open 120°C ±5°C/Close 97°C ±5°C	
Indicator	Continuous situation indication	
Manual operation	Mechanical handle (Handwheel is optional)	
Self-locking device	Self-locking by worm and worm gear	
Mechanical limit	2 x external adjustable stopper	
Space heater	30W (110/220VAC) Anti-condensation	
Conduit entries	2 Pieces M18*1.5 (AOX-R-003 except)	
Ambient temperature	-25°C ~+70°C (-30°C、-40°C、-60°C optional)	
Lubrication	Grease moly (EP type)	
Material	Steel, Aluminum alloy, Aluminum bronze, Polycarbonate	
Ambient humidity	Max 90%RH	Non-Condensing
Anti-vibration	X Y Z 10g,0.2~34 Hz,30 minutes	
External coating	Dry powder, Epoxy polyester	

## Option Specification

No.	Option scheme	Remark
1	Heater	AOX-R Series

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang  
China 325200

Tel: +86-577-59890750

Mob: +86-18967766527

E-mail: [zjax@zjax.com](mailto:zjax@zjax.com)



2	Water-proof actuator(IP68,10M,250HR)	AOX-R Series
3	Potionmeter unit(1k-10k)	Except AOX-R-003
4	Proportion control unit(Control signal 4-20mA DC/1-5V/10V)	AOX-R Series
5	Local control units (Local control open/stop/close optional switch, local/remote switch)	Except AOX-R-003
6	Travel 120 °, 180 °,270 °	AOX-R Series
7	Direct current motor(24VDC)	AOX-R Series
8	Electric current position sensor (Output 4-20mA DC)	Except AOX-R-003
9	Self-reset when power failure	AOX-R Series
10	Quick opening(2.8s,5s,10s,15s)	AOX-R Series

## Manufacturing process



AOX has mature manufacturing technology and perfect production equipment, with an annual production capacity of 60,000 AOX-R series open close quarter turn electric actuator .The main processing equipment includes machining center, CNC lathe, CNC milling machine, CNC drilling machine, CNC drilling machine, plasma spray welding equipment, spray drying line and other

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang China 325200

Tel: [+86-577-59890750](tel:+86-577-59890750)

Mob: [+86-18967766527](tel:+86-18967766527)

E-mail: [zjaxo@zjaxo.com](mailto:zjaxo@zjaxo.com)





equipment, milling, boring, drilling, throwing, grinding and other types of machine tools More than 300 sets of equipment, equipment are purchased from well-known domestic companies, high production efficiency, high processing accuracy.

## Application Field



Oil & Gas



Water treatment



Chemical industry



Paper making



Metallurgy



Electric industry

AOX-R series open close quarter turn electric actuator mounting with valve can be widely used in water treatment,like Domestic water, drinking water treatments,Desalination,Waste water,sewage treatments,Reservoirs,Environmental control,irrigation,Water supply and drainage, fire fighting.

## Our Certificate

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang  
China 325200

Tel: [+86-577-59890750](tel:+86-577-59890750)

E-mail: [zjax@zjax.com](mailto:zjax@zjax.com)

Mob: [+86-18967766527](tel:+86-18967766527)



## Transportation

Package : Plywood case or carton packaging

Shipping: 15 days after payment



## FAQ

We are always ready for providing the sample and producing some small orders, in order to meet the business well. We are always ready to hear from you.

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang China 325200

Tel: [+86-577-59890750](tel:+86-577-59890750)

Mob: [+86-18967766527](tel:+86-18967766527)

E-mail: [zjaox@zjaox.com](mailto:zjaox@zjaox.com)



Q: Can we call on skype?

A: Yes, we can. What's more, there are many optional ways we can talk easily, such as e-mail, Wechat, etc.

Q: Can I visit your company if we are interested in your AOX-R series open close quarter turn electric actuator?

A: Of course, Your visit is our pleasure.

Q: How can I choose the right actuator for us?

A: You can send us your technical requirements, such as power supply voltage, torque value, we will choose the most suitable actuator according to your requirements.

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang  
China 325200

Tel: [+86-577-59890750](tel:+86-577-59890750)

E-mail: [zjax@zjax.com](mailto:zjax@zjax.com)

Mob: [+86-18967766527](tel:+86-18967766527)