



## **Automation Part Turn Electric Actuator**

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innovative appearance.

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### **Summary**

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## **Product Introduction of the automation part turn electric actuator**

The "AOX-R" series are high quality automatic part turn electric actuators developed by AOX and have received numerous approvals such as DNVGL, CCS and EU CE. The "AOX-R" series of electric actuators have an indicator mounted on the central shaft, which allows the valve position to be observed. The lens is designed with a protruding mirror, which does not accumulate water and makes observation easier. The automatic electric actuators also have a dryer installed in them to control the temperature and prevent moisture

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

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

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

Fax: [+86-0577-65921296](tel:+86-0577-65921296)

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



condensation inside the actuator due to temperature and weather changes, keeping the internal electrical components dry.

"AOX-R" series electric actuators are used to control valves with 0°~270° rotation and other similar products, such as butterfly valves, ball valves, baffle valves, shutter valves, etc. It is used in power station, heating, building automation, light industry and other industries.



### Product Parameter ( Specification )of the automation part turn electric actuator

Position indicator:	the valve position dial can display continuous position change even in case of power failure;
Self locking device:	turbine and worm mechanism provide self-locking;
Output	bottom mounting dimension is in accordance with ISO5211

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flange:	international standard;
Output shaft:	the drive shaft sleeve can be disassembled and processed as required, with strong adaptability. It can be installed vertically or horizontally;
Lubrication:	aluminum base grease (EP type);
Manual operation:	mechanical handle (optional handwheel);
Motor:	squirrel cage asynchronous click, insulation class H;
Dryer:	30W, optional.
Working time :	S1 long time standard for both On-off and modulating type.S2 standard, 30 min.
Applicable valve :	Ball Valve (DN15-DN200); Butterfly Valve (DN25-DN400)
Related humidity:	<90%(25°C).
Manual Override:	N/A
Mounting Flange:	(ISO 5211)F04/F05/F07/F10/F12/F14/F16



Model	Maximum output torque	Actuation time	Output shaft (mm)		Electrical machinery	Single-phase rated current (A)	Weight
	N·M	( 90°)	Square	Depth	(W)	220V(A)50HZ (kg)	(kg)
AOX-R-003	30	20	11×11	15.5	8	0.24	2.1
AOX-R-005	50	30	14×14	18	10	0.23	3.6
AOX-R-008	80	30	14×14	18	10	0.24	3.6
AOX-R-010	100	30	17×17	22.5	15	0.41	4.6
AOX-R-015	150	40	17×17	22.5	15	0.41	4.6
AOX-R-020	200	30	22×22	26	60	0.44	13
AOX-R-030	300	30	22×22	26	60	0.48	13.4



AOX-R-040	400	30	22×22	26	60	0.54	13.8
AOX-R-060	600	40	27×27	32.5	60	0.57	14
AOX-R-080	800	40	27×27	32.5	90	0.91	14.3
AOX-R-100	1000	40	27×27	32.5	90	1.18	14.5
AOX-R-160	1600	60	MaxΦ60	133	90	1.08	68
AOX-R-200	2000	60	MaxΦ60	133	90	1.30	68
AOX-R-300	3000	120	MaxΦ60	133	90	1	68
AOX-R-400	4000	200	MaxΦ60	133	90	0.93	68
AOX-R-500	5000	200	MaxΦ60	133	90	1	68



## Product Feature And Application of the automation part turn electric actuator

Other electric actuators



AOX-R series



The products of other electric actuator manufacturers use worse parts than those of AOX. Especially for the capacitor part, the capacitor of other manufacturers is AC450V. When the actuator works, it is inevitable that there is a high voltage. In this case, the capacitor of the automatic part turn electric actuator is easily broken down. The capacitor of the electric actuator developed by AOX is AC500V, and high-quality large brand capacitor products are used, with reliable quality and stable performance. Therefore, compared horizontally, our electric actuators have higher manufacturing cost and better quality.

## Production details of the automation part turn electric actuator

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

Manual operation handle is not easy to lose: the handle clip is placed on the mechanical limit bolt, so that the hexagonal wrench is not easy to lose in the field.



Adjustment type is more stable and reliable: the size of the module is increased, the range of component selection is larger, and the power is higher; the weak power control power supply is adopted, which will not affect the quality of the module due to the unstable voltage at the site; the bare board is used for better heat dissipation; the foolish type is positioned with one key, which avoids the disorder of debugging due to too many keys; the intelligent module is mounted externally, which solves the problem that the maximum temperature of the actuator is 120°C and the electronic components of the module are only 65°C. The maximum temperature of the actuator is 120°C, but the temperature of the electronic components of the module is only 65°C.

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