



New Design 1/4 Turn Electric Actuator

"AOX-R" series electric valve actuator is a newly designed quarter turn electric actuator developed and manufactured by AOX, a Chinese manufacturer. The "AOX-R" series has been awarded the CCS, DNVGL and EU CE. "AOX-R" series is the latest designed and upgraded electric actuator of AOX, belonging to part turn electric actuator, with torque range of 30 ~ 5000NM.

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Summary

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Product Introduction of the New Design 1/4 Turn Electric Actuator

The "AOX-R" series **New Design 1/4 Turn Electric Actuator** is suitable for use in various industries such as petroleum, chemical and water treatment and can be used to control valves such as ball valves, butterfly valves and dampers. When the "aox-r" series electric valve actuator is operated manually, the power must be cut off first; Remove the rubber cap of the reduction cover and insert the attached handle into the hexagonal hole; Turn the manual handle clockwise to reduce the opening. It should be noted that when the opening is turned to the fully open and fully closed positions, the limit switch will act and rotate for half a turn, and it will touch the mechanical stopper.

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Excessive rotation will cause damage to other parts. Therefore, excessive force should be avoided.



Product Parameter (Specification)of the New Design 1/4 Turn Electric Actuator

Torque range:	30 ~ 5000NM;
Switching time:	20 ~ 200S;
Single phase:	AC220V / AC110V / AC24V / DC24V;
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

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	type.S2 standard, 30 min.
Related humidity:	<90%(25°C).
Local Control Unit:	Local control knob of open/close/stop, switch knob of close control remote control/Bus control(non-intrusive)
Display Mode:	LCD, indication of opening(0-100%) and open/close fault.
Control Mode:	On-off signal control, Modulating (proportional regulation) control, Fieldbus Control etc.
Type of Field-bus Signal:	Modbus-RTU, Profibus-DP, etc.

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-00 8	80	30	14×14	18	10	0.24	3.6
AOX-R-01 0	100	30	17×17	22.5	15	0.41	4.6
AOX-R-01 5	150	40	17×17	22.5	15	0.41	4.6
AOX-R-02 0	200	30	22×22	26	60	0.44	13
AOX-R-03 0	300	30	22×22	26	60	0.48	13.4
AOX-R-04 0	400	30	22×22	26	60	0.54	13.8
AOX-R-06 0	600	40	27×27	32.5	60	0.57	14
AOX-R-08 0	800	40	27×27	32.5	90	0.91	14.3
AOX-R-10 0	1000	40	27×27	32.5	90	1.18	14.5
AOX-R-16 0	1600	60	MaxΦ6 0	133	90	1.08	68

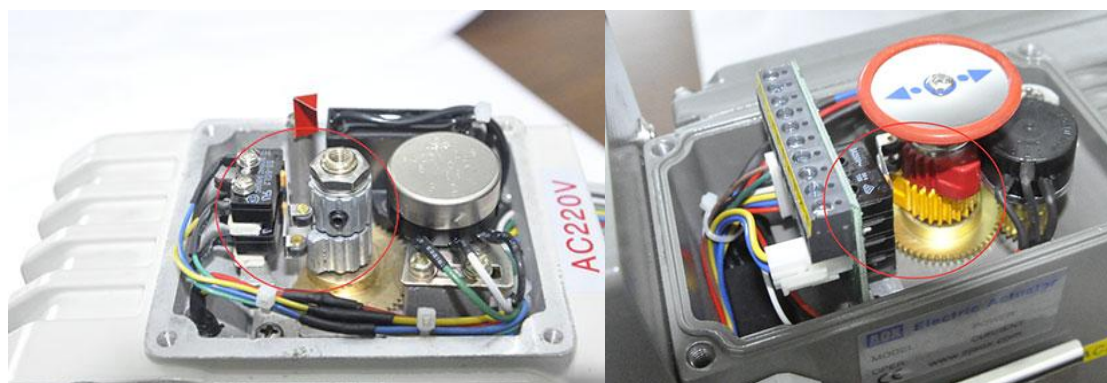


AOX-R-200	2000	60	MaxΦ60	133	90	1.30	68
AOX-R-300	3000	120	MaxΦ60	133	90	1	68
AOX-R-400	4000	200	MaxΦ60	133	90	0.93	68
AOX-R-500	5000	200	MaxΦ60	133	90	1	68

Product Feature And Application of the New Design 1/4 Turn Electric Actuator

Other electric actuators

AOX-R series



Other electric actuator manufacturers use M3 screws with inaccurate positioning and easy to slide, and the potentiometers used are unknown brands in China, with poor stability and short service life. By improving the

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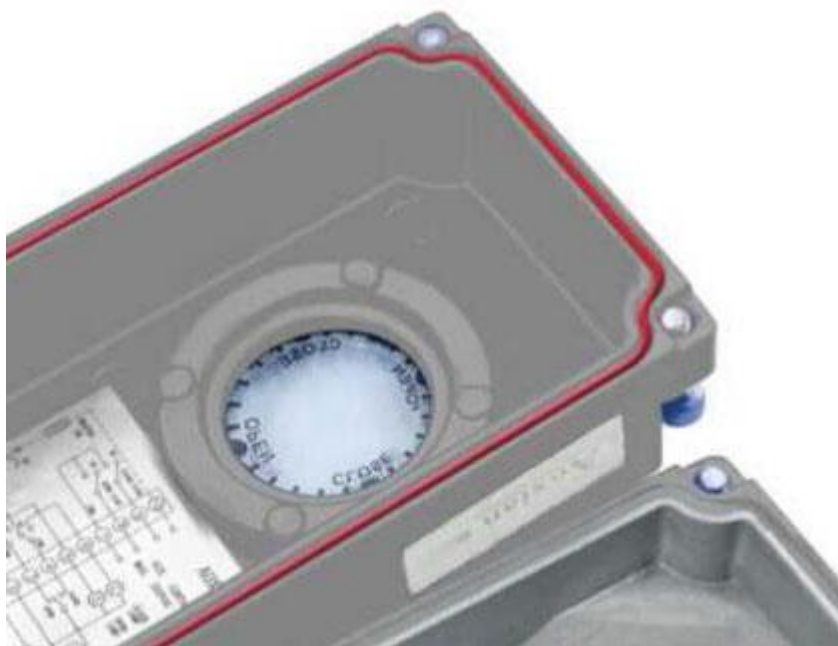
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electrical cam structure, AOX integrates four cams into two, and uses butterfly springs to isolate them. The top is pressed by anti loosening nuts, and imported potentiometers are used, which makes the debugging of "AOX-R" series electric actuators more convenient and faster.

Production details of the New Design 1/4 Turn Electric Actuator

The protection level of "AOX-R" series **New Design 1/4 Turn Electric Actuator** has reached IP67, and we support the customization of IP68.



Using the "AOX-R" series **New Design 1/4 Turn Electric Actuator**, We can see this through our lens construction. The lens construction is a mechanical seal construction rather than the chemical binders used in other plants to avoid inadequate brake sealing due to chemical binders deteriorating under high temperature and pressure.

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