



Part Turn Electric Valve Actuator

The "AOX-R" series is a part turn electric valve actuator developed by AOX, which has a history of 20 years. The "AOX-R" series electric valve actuator is highly regarded by our customers. The "AOX-R" series is based on multi-turn type, with worm gear secondary reduction box to form 0~270° part turn electric actuator, which is widely used in ball valve, plug valve, baffle valve, gate valve, butterfly valve and various special valves.

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Summary

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Product Introduction of the part turn electric valve actuator

"AOX-R" series products——**part turn electric valve actuators** developed by AOX company, and have been certified by dnvgl, CCS and EU CE. The handle design of "AOX-R" series manual structure ensures safety, reliability, labor saving and small size. When the power is not available, the handle can be pulled for manual operation. When manual operation is not required, put the wrench in the wrench clamp for convenient use. The "AOX-R" series **part turn electric valve actuator** indicator is installed on the central shaft to observe the valve position. The lens is designed with a convex mirror,

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which is free of water and more convenient for observation.



Product Parameter (Specification)of the part turn electric valve actuator

Switching time:	20 ~ 200S;
Single phase:	AC220V / AC110V / AC24V / DC24V;
Limit switch:	2 * open / close, SPDT, 250V AC 10A;
Position indicator:	the valve position dial can display continuous position change even in case of power failure;
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.

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Output signal:	(On-off type)Fully open & fully close passive contact(2A 250VAC).
Input/output signal :	(modulating type)4-20mA(std configuration);0-10V &2-10V is optional.
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.

Model	Maximum output torque	Actuation time	Output shaft (mm)		Electrical machinery	Single-phase rated current (A)	Weight
	N·M	(90°)	Square	Deep	(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

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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



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0			0				
AOX-R-30	3000	120	MaxΦ6	133	90	1	68
0			0				
AOX-R-40	4000	200	MaxΦ6	133	90	0.93	68
0			0				
AOX-R-50	5000	200	MaxΦ6	133	90	1	68
0			0				

Product Feature And Application of the part turn electric valve actuator

Other electric actuators



AOX-R series



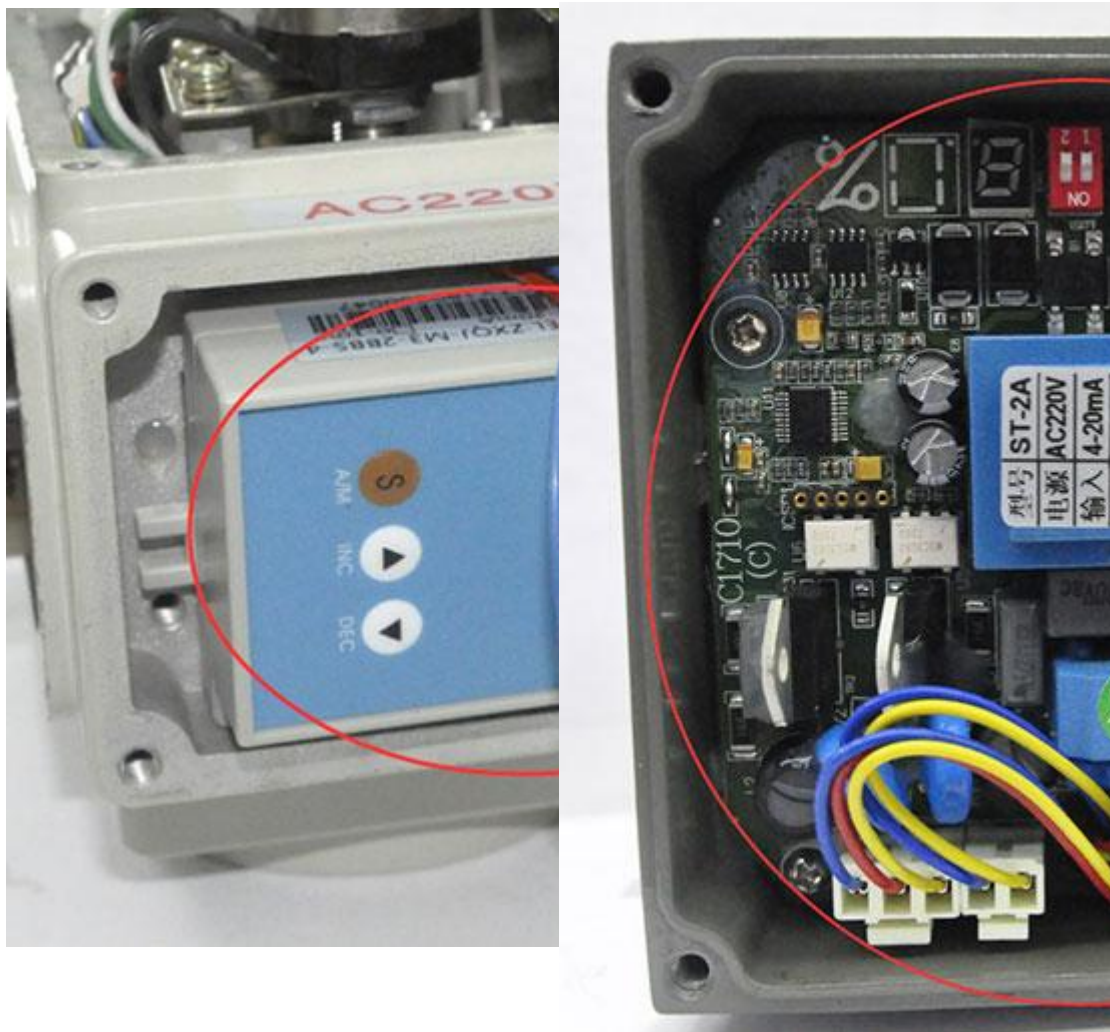
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Other plants have **part turn electric valve actuator** regulation type modules built in, where the electronic components are affected by the temperature generated during operation. In this case, the module gets hot easily and the heat dissipation performance is very poor. Since the module is not fixed, the electric valve actuator's performance is unstable because of the dummy soldering of the electrical components in case of vibration in the field. In contrast, AOX's "AOX-R" series regulating modules are mounted externally, which allows better heat dissipation from the bare

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board and solves the contradiction that the maximum temperature of the actuator is 120°C, while the temperature of the module's electronic elements is only 70°C. Moreover, the "AOX-R" series of products adopt weak power control, which will not affect the quality of the modules due to unstable voltage on site. The module is fixed to ensure stable performance under any high-intensity vibration conditions.

Production details of the part turn electric valve actuator

Quicker and more convenient debugging: By improving the electrical cam structure, we have integrated the four cams into two pieces and isolated them with butterfly springs, and pressed them with anti-loosening nuts, which improves the disadvantages of M3 screws used by other manufacturers, such as unrealistic positioning, inaccuracy, slippage, and the M3 wrench is not easy to find on site.



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The exterior has been upgraded and renewed several times for a very new, beautiful and unique appearance. The die-cast aluminium housing has high strength and an anti-corrosion coating, providing sufficient protection for the internal electronics of the electric actuator.



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