



Electric Part Turn Ball Valve Actuator

The AOX series of electric actuators are high quality electric part turn ball valve actuators developed by AOX itself, a manufacturer of electric valve actuators from China, which has never stopped developing and creating the best electric actuators for more than 20 years. The "AOX-R" series is equipped with a dehumidifier when the ambient temperature is between -25°C and $+70^{\circ}\text{C}$, or below 0°C .

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Summary

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Product Introduction of the electric part turn ball valve 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. "AOX-R" series electric actuators belongs to non explosion-proof products, so do not install in places with explosive gases. It can be installed under water and outdoors, but please explain in advance. Please reserve space for wiring, manual operation and other maintenance before installation. If you need explosion-proof products, please move to "AOX-Q" or "AOX-VR" series products..

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

Switching time:	20 ~ 200S;
Ambient temperature:	20°C ~ + 70°C;
Voltage:	AC110 ~ 265V, AC / DC 24V multi voltage input;
Single phase:	AC220V / AC110V / AC24V / DC24V;
Material of actuator body:	aluminum alloy;
Limit switch:	2 * open / close, SPDT, 250V AC 10A;
Self locking device:	turbine and worm mechanism provide self-locking;

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Manual operation:	mechanical handle (optional handwheel);
Motor:	squirrel cage asynchronous click, insulation class H;
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.
Display Mode:	LCD, indication of opening(0-100%) and open/close fault.
Type of Field-bus Signal:	Modbus-RTU, Profibus-DP, etc.
Local Controller:	AOX remote control(Optional)

Model	Maximu m output torque	Actuatio n time	Output shaft (mm)		Electrical machiner y	Single-phase rated current (A)	Weigh t
	N·M	(90°)	Square	Dee p	(W)	220V(A)50H Z (kg)	(kg)
AOX-R-00 3	30	20	11×11	15.5	8	0.24	2.1
AOX-R-00	50	30	14×14	18	10	0.23	3.6



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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-16	1600	60	MaxΦ6	133	90	1.08	68

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0			0				
AOX-R-20	2000	60	MaxΦ6	133	90	1.30	68
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 electric part turn ball valve actuator

Other electric actuators

AOX-R series



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The rubber gasket of the electric actuator delivered by other manufacturers is generally made of ordinary material, which is easy to deform due to temperature, pressure and other reasons, resulting in reduced sealing performance, short service life of the electric actuator, unable to meet the protection requirements, and the appearance and connecting parts are not beautiful; The joint of the upper and lower covers of the sealing part of the AOX electric actuator adopts a concave convex structure. The material used is a silicone O-ring, which has stronger sealing performance, long service life and is not easy to aging. The protection grade can reach IP68 at the highest, and the appearance is beautiful;

Production details of the electric part turn ball valve actuator

1.The electric actuators of the "AOX-R" series are more stable and reliable in terms of adjustment, and AOX offers higher power by increasing the size of the modules and the choice of components.

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2. In addition, AOX uses a weak control power supply, which does not affect the quality of the modules even when the voltage is unstable on site. In addition, the intelligent module of the electric actuator is installed outside the actuator, solving the contradiction between the maximum value of the actuator temperature and the maximum value of the electronic module.



3. More convenient and reliable assembly with the valve: the same way of coupling with the pneumatic actuator, more conducive to the unification of standards, can effectively reduce the valve inventory. And the valve stem is directly inserted into the internal worm gear of the actuator, which makes the force arm of the valve and the force shaft shorter and the force more stable.



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