



Nema 4 Part Turn Electric Motor Operated Valve Actuator

The "AOX-R" series motor operated valve actuator is a Nema 4 part turn electric motor operated valve actuator developed and manufactured by the Chinese manufacturer AOX. The "AOX-R" series has been awarded the CCS, DNVGL and EU CE, and is compliant with the Nema 4 standard. In addition to the Nema 4 standard, the "AOX-R"

series has been upgraded several times and now has a new look and proven technology, making it the perfect choice for part turn electric actuators.

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Summary

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Product Introduction of the Nema 4 part turn electric motor operated valve actuator

The "AOX-R" series **nema 4 part turn electric motor operated valve 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. The electric actuators are well sealed and have a standard protection class of

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IP67 and optionally IP68. Mechanical and electronic double limit. The mechanical limit screw is adjustable, safe and reliable; the electronic limit switch is controlled by a cam mechanism and the simple adjustment mechanism allows precise and easy setting of the position without the influence of handwheel overload. Precision worm gear mechanism for efficient transmission of high torque, high efficiency, low noise level (max. 50 dB) and long life; self-locking function to prevent reversal, stable and reliable drive section, no need for re-fuelling.



Product Parameter (Specification)of the Nema 4 part turn electric motor operated valve actuator

Torque range:	30 ~ 5000NM;
Switching time:	20 ~ 200S;
Related humidity:	<90%(25°C).

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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).
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.
Type of On-off Signal:	Contact signal. Pulse signal
Type of Modulating Signal:	0-10V, 2-10V, 4-20mA, etc.
Type of Field-bus Signal:	Modbus-RTU, Profibus-DP, etc.



Local Controller:	AOX remote control(Optional)
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Model	Maximum output torque	Actuation time (90°)	Output shaft (mm)		Electrical machinery (W)	Single-phase rated current (A)	Weight (kg)
	N·M		Square	Depth			
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



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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-20 0	2000	60	MaxΦ6 0	133	90	1.30	68
AOX-R-30 0	3000	120	MaxΦ6 0	133	90	1	68
AOX-R-40 0	4000	200	MaxΦ6 0	133	90	0.93	68
AOX-R-50 0	5000	200	MaxΦ6 0	133	90	1	68



Product Feature And Application of the Nema 4 part turn electric motor operated valve actuator

Other electric actuators

AOX-R series



AOX products use better and more practical parts than other electric actuator manufacturers. Especially for the screws at the mechanical limit position, the screws of other manufacturers are ordinary screws. During the high-intensity operation of the brake, the vibration on the site will cause the screws to fall off, resulting in over travel or locked rotation image and inaccurate positioning. However, AOX's electric actuator adopts anti falling bolt cap, which can still remain tight under high-intensity field vibration, ensuring the accuracy of positioning. Therefore, in comparison, our electric actuators have higher manufacturing costs and better quality.

Production details of the Nema 4 part turn electric motor operated valve actuator

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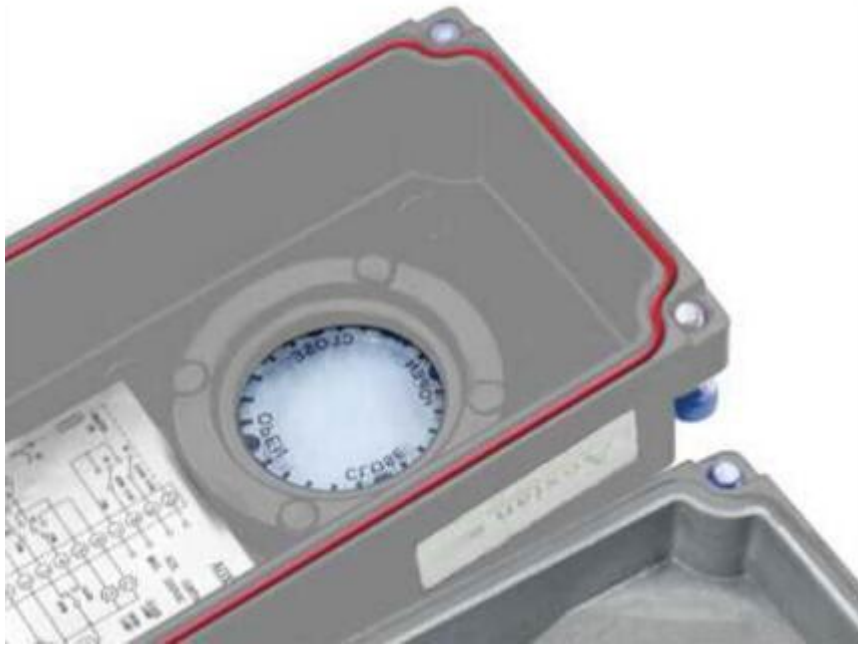
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The protection level of "AOX-R" series motor operated valve actuator has reached IP67, and we support the customization of IP68.



Using the "AOX-R" series motor operated valve actuator, we can observe through our lens structure. The lens structure is a mechanical sealing structure, not a chemical adhesive used by other factories, to avoid the insufficient sealing of the brake due to the aging of the chemical adhesive under high temperature and high pressure.

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