



Electric Part Turn Motor Actuator



Summary

"AOX-VR" series electric part turn motor actuator is a small valve actuator independently developed by AOX. It is used to control 0 °~90 ° rotation and other similar products. It is compact in structure and has excellent weather resistance and seismic resistance. When the actuator is powered off, the self-locking transmission mechanism ensures that the valve position remains unchanged, and double electrical and mechanical limits are set to prevent over travel.

Product Introduction of the electric part turn motor actuator

The shell of the "AOX-VR" series electric part turn motor actuator is hard aluminum alloy, which has been anodized and coated with polyester powder. It has strong corrosion resistance, protection grades of IP67, NEMA 4 and 6, and IP68 and explosion-proof types are available for selection. The totally enclosed squirrel cage motor is adopted, which has the characteristics of small volume, large torque and small inertia force. The insulation grade is H, and the built-in overheat protection switch can prevent overheating from damaging the motor.

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



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

Torque range:	50-600nm
Enclosure:	protection grade is IP67 (optional IP68), NEMA 4 and 6
Position indicator:	in case of power failure, the valve position dial can display continuous position change
Dryer:	25-30w (220V AC) anti condensation
Connection port:	2 M20 * 1.5

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



Mechanical limit:	2 external adjusting bolts
Torque switch:	2 x open / close, SPDT, 250V AC 10A (optional)
Indicators:	switch indicators
Self locking device:	worm gear and worm mechanism provide self-locking
Output shaft:	the drive shaft sleeve can be disassembled and processed according to needs, with strong adaptability. It can be installed vertically or horizontally.
Handle:	reliable, labor-saving, small size
Ambient temperature:	- 25 °C - + 70 °C; (- 30 °C, - 40 °C, - 60 °C) optional)
Lubrication:	aluminum base grease (EP type)
Outer coating:	dry powder, epoxy polyester
Consistency with EC Directive:	The actuator meets the following requirements: 2014 / 30 / EU electromagnetic compatibility; 2014 / 35 / EU low voltage
	The following harmonized standards: General emission standard for industrial environment EN61000-6-4; General anti-interference standard for industrial environment EN61000-6-4; Rotating electrical machine standard EN60034-1

Model	Maximum Output Torque	Action Time:	Output Shaft		Motor Class H	Rated Current (A) 50HZ	Weight (kg)
	N • M	(90°)	MM		(W)	220V	
AOX-VR-005	50	30	Max Φ 16	Max 17×17	10	0.23	4.7
AOX-VR-008	80	60	Max Φ 16	Max 17×17	10	0.23	4.7
AOX-VR-010	100	30	Max Φ 16	Max 17×17	15	0.40	5.5
AOX-VR-015	150	60	Max Φ 16	Max 17×17	15	0.40	5.5
AOX-VR-020	200	30	Max Φ 30	Max 27×27	60	0.48	15
AOX-VR-030	300	30	Max Φ 30	Max 27×27	60	0.52	15
AOX-VR-040	400	30	Max Φ 30	Max 27×27	60	0.59	15

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



www.aox-privod.com

AOX-VR-06 0	600	60	Max Φ 30	Max 27 \times 27	60	0.52	15
----------------	-----	----	------------------	-----------------------	----	------	----

Product Feature And Application of the electric part turn motor actuator

Other manufacturers	The "AOX-VR" series
	
<p>The main shaft has low strength accuracy and the worm gear has low accuracy and high return. The output shaft is of split design, which is not conducive to accuracy and stable performance.</p>	<p>The spindle and mounting dimensions are designed as a whole to eliminate fit errors and safety hazards by integrating the output dimensions and the incoming control, the mounting dimensions are designed as a whole to avoid the occurrence of loose screws, and the output shaft is made of steel with a tensile strength 2.6 times higher than that of zinc-aluminium alloy (600 MPL for 45 gauge steel and 230 MPL for zinc-aluminium alloy) for stronger performance.</p>

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



Manufacturing process of the electric part turn motor actuator



Our company has been engaged in the manufacture of electric actuators for more than 20 years. With mature manufacturing technology and perfect production equipment, we have an annual production capacity of 60,000 units of electric actuators. The main processing equipment includes machining centres, CNC lathes, CNC milling machines, CNC drilling machines, plasma spray welding equipment, spray drying lines and other equipment, more than 300 sets of various machine tools such as milling, boring, drilling, polishing and grinding, etc. The equipment is purchased from well-known domestic companies and produced in many well-known enterprises at home and abroad, with high production efficiency and high processing accuracy.

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