



## Small Part Turn Electric Actuator



### Summary

The "AOX-VR" series of small part turn electric actuators are products developed, designed, manufactured and sold by AOX itself. "AOX-VR" series electric valve actuators are used to control valves with  $0^{\circ} \sim 270^{\circ}$  rotation and other similar products, such as butterfly valves, ball valves, flapper valves, plug valves, etc. It is widely used in petroleum, chemical industry, water treatment, building automation, light industry and other industries.

### Product Introduction of the small part turn electric actuator

Precautions for the installation of the "AOX-VR" series of small part turn electric actuators include: first, please explain in advance when the installation is under water or outdoors; Second, please reserve space for wiring, manual operation and other maintenance; Third, in order to avoid rain, direct sunlight and other problems, it is necessary to install a protective cover or select a protection grade of IP68; Fourth, please reserve space for wiring, manual operation and other maintenance.

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## Product Parameter ( Specification )of the small part turn electric actuator

Torque range:	50-600nm
Enclosure:	protection grade is IP67 (optional IP68), NEMA 4 and 6
Motor:	squirrel cage asynchronous motor, insulation class H
Dryer:	25-30w (220V AC) anti condensation
Connection port:	2 M20 * 1.5
Limit switch:	2 x open / close, SPDT, 250V AC 10A

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Mechanical limit:	2 external adjusting bolts
Auxiliary limit switch:	2 x open / close, SPDT, 250V AC 10A
Torque switch:	2 x open / close, SPDT, 250V AC 10A (optional)
Travel:	90 ° ~ 270 ° ± 10 ° (specify in advance if the travel is above 90 °); 0 ° ~ 270 ° (optional)
Indicators:	switch indicators
Manual operation:	mechanical handle
Lubrication:	aluminum base grease (EP type)
Materials:	steel, aluminum alloy, aluminum bronze, polycarbonate, ABS
Ambient humidity:	Max 90% RH; Non condensing
Seismic performance:	X Y Z 10g, 0.2 ~ 34 Hz, 30 minutes
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
	N • M	( 90° )	MM		(W)	220V	(kg)
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	Max 27×	60	0.59	15

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

## Product Feature And Application of the small part turn electric actuator

Other manufacturers	The "AOX-VR" series
	
<p>Ordinary nuts are used for the mechanical limit part, which will easily fall off due to field vibration, resulting in over travel or locked rotor, resulting in inaccurate positioning.</p>	<p>The use of anti-dislodging nuts, which remain in place even under extreme site vibration, ensures accurate positioning.</p>

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## Exhibition of the small part turn electric actuator



In order to better showcase our products, especially the "AOX-VR" series small part turn electric actuators, and to increase our visibility, we have actively participated in major exhibitions at home and abroad, including Valve World Germany, AHEMA, PCV Expo Russia, ECWATCH, Asian Water Malaysia, Thai Water Thailand, Indowater Indonesia, Shanghai Flowtech,, and you can all see us at these exhibitions.

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