



Fail Safe Electric Part Turn Ball Valve

Actuator



Summary

"AOX-VR" series fail safe electric part turn ball valve actuator is mainly composed of the following parts: 1. Shell: including shell and base; 2. Driving part: high performance totally enclosed squirrel cage motor as power source; 3. Transmission mechanism: worm gear and gear transmission; 4. Proportional control part: separate from mechanical part for easy debugging; 5. Limit switch; 6. Opening detection and feedback part.

Product Introduction of the fail safe electric part turn ball valve actuator

The basic control methods of the "AOX-VR" series fail safe electric part turn ball valve actuator are divided into the following three basic control methods according to the EN 15714-2 standard. The first switch type: the actuator drives the valve from fully open to fully closed or fully closed to fully open. The second regulating type: the actuator sometimes needs to drive the valve to any position. The third continuous regulating type: the actuator frequently drives the valve to any position between fully open and fully closed.

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**Product Parameter (Specification)of the fail safe electric part
turn ball valve 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
Stall protection / operating temperature:	built in thermal protection, on $120\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$ / off $97\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$
Indicators:	switch indicators
Manual operation:	mechanical handle
Self locking device:	worm gear and worm mechanism provide self-locking

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Output flange:	the bottom installation dimension conforms to ISO5211 international standard
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 30	Max 27×27	60	0.59	15
AOX-VR-060	600	60	Max Φ 30	Max 27×27	60	0.52	15

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Product Feature And Application of the fail safe electric part turn ball valve actuator

Other manufacturers	The "AOX-VR" series
	
<p>The rubber gasket is easily deformed by temperature and other reasons, resulting in reduced sealing performance, short life, failure to meet protection requirements, and not very beautiful.</p>	<p>The combination of upper and lower cover adopts concave and convex structure, inner gasket silicone O-ring, strong sealing performance, long service life and not easy to age, up to IP68, and beautiful appearance.</p>

FAQ of the fail safe electric part turn ball valve actuator

Q: What are the shipping costs for samples?

A: Shipping costs depend on weight, package size and your country or province/region etc.

Q: Are you a manufacturer or a trading company?

A: We are a manufacturer with more than 20 years of professional production of actuators in Rui'an City, Zhejiang Province, China.

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Q: Can we put our logo or company name on your products or packaging?

A: Of course. Your logo can be printed on our "AOX-VR" range of mini quarter turn electric actuators by means of a sticker.

Q: Can we print our logo or company name on your "AOX-VR" range of waterproof quarter turn electric actuators or on the packaging?

A: Of course. Your logo can be printed on our products by means of a sticker.

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