



## Explosion Proof Quarter Turn Electric Actuator



### Summary

The "AOX-VR" series explosion proof quarter turn electric actuator is a product developed by AOX in more than 20 years of research. Comply with Exd II CT5 explosion-proof standard, and adapt to the ambient temperature of - 30 °C to 75 °C, all of which are for AOX to adapt to the harsh operating environment for electric actuators.

### Product Introduction of the explosion proof quarter turn electric actuator

In terms of corrosion protection, the "AOX-VR" series explosion proof quarter turn electric actuator is anodized and coated with polyester powder. Its standard color is gray (similar to RAL7039), with strong corrosion resistance. It is suitable for working conditions such as industrial corrosion environments (chemical, aluminum oxide plants) or marine corrosion environments (offshore/offshore). In terms of sealing protection, it complies with GB/4208-2017 standard, IP67 (standard, all connection surfaces have O-ring seals) protection grade, and IP68 (connection surfaces are equipped with double-layer O-rings) is optional.

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### **Product Parameter ( Specification )of the explosion proof quarter turn electric actuator**

Torque range:	50-600nm
Dryer:	25-30w (220V AC) anti condensation
Connection port:	2 M20 * 1.5
Limit switch:	2 x open / close, SPDT, 250V AC 10A
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 ° ~

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	270 ° (optional)
Stall protection / operating temperature:	built in thermal protection, on 120 °C±5 °C / off 97 °C±5 °C
Indicators:	switch indicators
Manual operation:	mechanical handle
Self locking device:	worm gear and worm mechanism provide self-locking
Output flange:	the bottom installation dimension conforms to ISO5211 international standard
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
Mechanical limit:	2 external adjusting bolts
Dryer:	25-30w (110 / 220V AC)

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
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 explosion proof quarter turn electric actuator

Other manufacturers	The "AOX-VR" series
	
<p>The use of chemical adhesives may lead to ageing and water ingress due to high temperature and pressure conditions on site; and the plastic and glass themselves are easily damaged.</p>	<p>The mirror has a convex lens with a drainage opening that does not cause water to accumulate; and has a continuous valve opening indication for easier observation and a metal exterior that is not easily damaged.</p>

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## Application field of the explosion proof quarter turn electric actuator



Oil & Gas



Water treatment



Chemical industry



Paper making



Metallurgy



Electric industry

The "AOX-VR" series explosion proof quarter turn electric actuators are widely used in water treatment, HVAC, petroleum, chemical, electronics, light industry, food, medicine, textile, paper making, hydropower, shipping, smelting, new energy and other fields.

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