



Flameproof electric motor multi turn actuator



Flameproof electric motor multi turn actuator is widely applied in petroleum, chemical, water treatment, shipping, paper making, power plants, heating, building automation and other industries. AOX has been committed to the design and manufacture of excellent flameproof electric motor multi turn actuator

and control equipment. It is this successful positioning and strong product quality awareness of all process staff that makes AOX a **supplier** of valve automation solutions.





Flameproof electric motor multi turn actuator Introduction

Flameproof electric motor multi turn actuator is specially designed for all multi turn valve applications (linear motion valves) such as globe valve, gate valve, and etc. The flange of flame proof electric motor multi turn actuator meets ISO 5210 international standard. The actuator is IP67 designed and can be installed at any angle. AOX has its own factory in China. AOX attaches great importance to product design, and the design team has strong ability of product design and innovation. AOX has complete intellectual property rights and many technical patents. We expect to be your long term partner in the near future.

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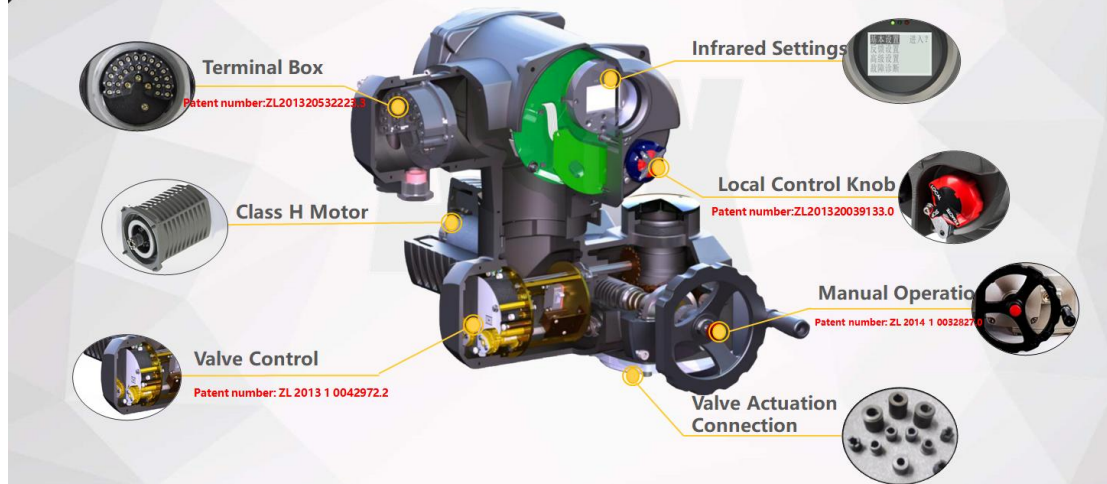
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Structural Features



Product Image



Flameproof electric motor multi turn actuator Parameter (Specification)

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Model	Output torque N·m	Speed RPM	Maxshaft diameter mm	Power W	Rated current (A) 50HZ	Flange	Weight Kg
					three phases 380V		
AOX-M-007	70	45	Φ28	400	2.42	F10	32
	70	90		400	2.95		
AOX-M-010	120	35	Φ28	600	2.25	F10	38
	120	70		600	3.18		
	120	105		800	5.15		
AOX-M-020	300	34	Φ40	1100	4.50	F14	68
	300	67		1100	6.85		
AOX-M-050	450	34	Φ40	1100	9.58	F14	70
	450	67		1500	14.80		
AOX-M-060	600	34	Φ55	3000	10.89	F16	103
	600	67		4000	16.50		
AOX-M-080	800	34	Φ55	3000	12.43	F16	103
	800	67		4000	23.50		
AOX-M-100	1000	34	Φ55	4000	30.20	F16	103

Flameproof electric motor multi turn actuator Feature And Application

Ingress Protection: IP67 , Optional:IP68

Connection size:ISO5210(Thrust torque type)and JB2920(Three claw type)

Signal Feedback: Integrated fault contacts,Close the valve contact,Open the valve contact

Modulating type signal:

Input signal: 4 - 20 mA; 0 - 10 V; 2 - 10 V

Output signal: 4 - 20 mA; 0 - 10 V; 2 - 10 V

Loss Signal Mode Setting:N/A

Dead Zone:≤2%

Time Lag:N/A

Other Function:

Contact selection

Conditional control protection

Remote control settings

Self-diagnosis fault alarm

Precisely machined gearing system & oil lubrication

Integrated local control unit

Mounting base according to ISO5210

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Additional Mechanical Parts

Through the combination of AOX-M series multi-turn electric actuator and the following mechanical components, other types of valves can be controlled.



Through the configuration of linear thrust unit, can constitute a direct stroke actuator, suitable for regulating valves.
> Thrust: 10~160 KN
> Stroke: 16~100mm (other stroke can be customized)
Speed: 3.4~7.5mm/S (according to the stroke)



Through configuration part of the rotary gear box, can constitute a large part of the rotary actuator torque, suitable for butterfly valve, ball valve, plug valves, etc.
Torque: 0.2 ~ 1000 KNm
speed: 0.2 ~ 43 r/min



By configuring multi-turn gearbox, can constitute a large output torque rotary actuator, is applicable to gate valves, globe valves, etc.
Torque: 0.1 ~ 100 KNm
Speed: 2 ~ 600 s



By configuring the turn arm type gear box, can turn a arm type actuator, applicable to the throttle, damper valve, butterfly valve, etc.
Torque: 0.2 ~ 1000 KNm
Speed: 0.2 ~ 43 r/min



Flameproof electric motor multi turn actuator details

1. Valve mounting standard

Installation flange of Flameproof electric motor multi turn actuator is according to EN ISO5210 or DIN3210 standard. Various types of output drive types to choose, suitable for different types of valves.

2. Motor protection for flameproof electric motor multi turn actuator.

In order to protect the motor against overheating, there are two series of thermal switch installed in the three-phase motor or single-phase motor winding inside. They are involved in the control circuit to prevent damage to the motor because of winding overheating.

3. The digital position display clearly indicates the status of valve and actuator.

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