



Three phase electric multi turn valve actuator



Three phase electric multi turn valve actuator is widely applied in petroleum, chemical, water treatment, shipping, paper making, power plants, heating, building automation and other industries. Double sealed structure of the wiring chamber. The internal electrical devices are guaranteed to be in a perfectly sealed protection when the actuator is performing on-site installation and debugging. Three phase electric multi turn valve actuator provide the most reliable solution to satisfy our valuable customers and exceed expectations. AOX has its own **factory**. AOX will continue to develop more advanced products integrating high technology and be ready the most reliable solution.



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Three phase electric multi turn valve actuator Introduction

Three phase electric multi turn valve actuator is specially designed for all multi turn valve applications (linear motion valves) such as globe valve, gate valve, and etc. AOX has its own **factory**. Our three phase electric multi turn valve actuator can be customized according to the special requirements of customers. Based on a wide range of products including high performance multi turn, part turn, and linear actuators, we offer automated solutions for all valve types, ranging from ball valves to gate valve.

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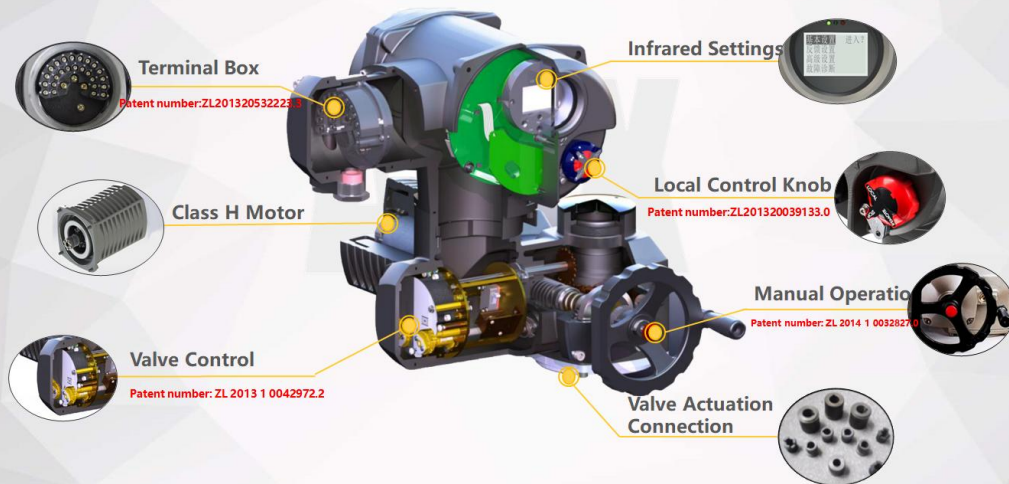
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Structural Features



Product Image



Three phase electric multi turn valve actuator Parameter (Specification)

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Model	Output torque	Speed	Maxshaft diameter	Power	Rated current (A) 50HZ	Flange	Weight
	N·m	RPM			mm		
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

Three phase electric multi turn valve actuator Feature And Application

Torque Range: 40 - 1000 Nm Direct Output

Speed: 34 35 45 67 70 90 (rpm)

Ambient Temperature: -30°C ---+70°C Optional: -40°C- 60°C

On/off type signal:

Input : AC 110/220 Input

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:

Torque protection

Motor overheat protection

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- Moisture-resistant heaters (anti-moisture device)
- Local control inching / automatic holding selection
- ESD beyond protection
- Two-wire control protection
- Three-phase power phase sequence protection
- Modular design
- Mechanical interlock protection
- Contact selection
- Conditional control protection
- Remote control settings
- Self-diagnosis fault alarm

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



Three phase electric multi turn valve actuator Details

1. Double sealing structure terminal box
Terminal box, which is double sealing and separated enclosure protection, assure the sealing integrity of the electronic component if open the box cover to make the on-site wiring.
2. Motor protection for three phase electric multi turn valve 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 three phase electric multi

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