



## Electric motor operated multi turn valve actuator with thermal protector



Electric motor operated multi turn valve actuator with thermal protector 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. Electric motor operated multi turn valve actuator with thermal protector provide the most reliable solution to satisfy our valuable customers and exceed expectations. AOX is a **supplier** to many large enterprises. AOX will continue to develop more advanced products integrating high technology and be ready the most reliable solution.





## **Electric motor operated multi turn valve actuator with thermal protector Introduction**

Electric motor operated multi turn valve actuator with thermal protector is applied in controlling various valves and other similar products, include butterfly valve, ball valve, gate valve, control valve and etc. Over the years, our electric motor operated multi turn valve actuator with thermal protector have been exported in batches every year, and have been widely and successfully used in water treatment, petroleum, electric power, chemical and other industries. AOX is an electric actuator **manufacturer** from China. AOX will design and manufacture products solidly and continue our efforts to create more value for customers.

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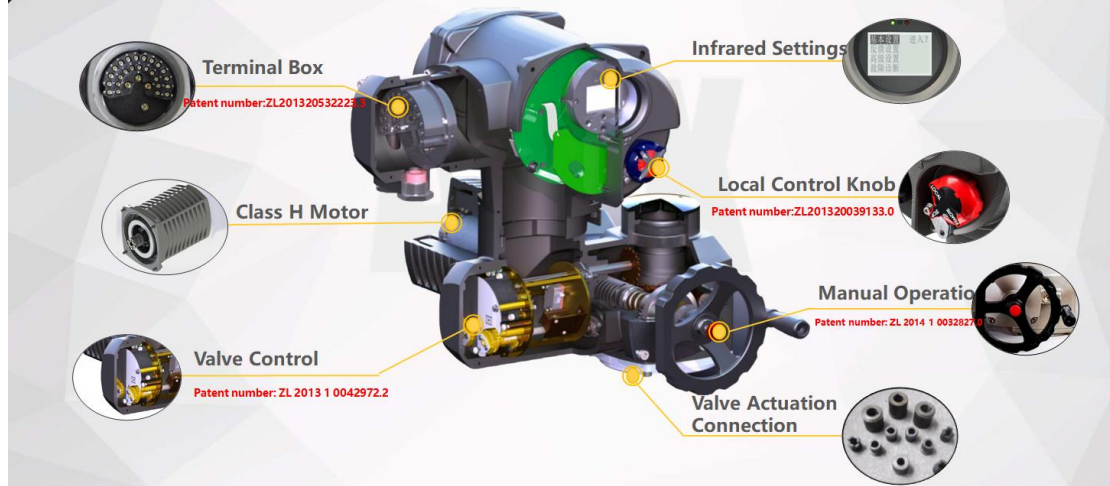
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## Structural Features



## Product Image



## Electric motor operated multi turn valve actuator with thermal protector 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

## Electric motor operated multi turn valve actuator with thermal protector 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

Anti-vibration Level: JB/T8219

Noise Level: Less than 75 dB within 1 m

Applicable Voltage: 3 phase: AC 380 V (±10 %) /50/60 Hz (±5 %)

optional: 1 phase AC 220 V

Torque protection

Motor overheat protection

Reliable electronic system

Phase sequence self-correction

Instantaneous reversal protection

Two-wire control protection

Three-phase power phase sequence protection

Precisely machined gearing system & oil lubrication

Integrated local control unit

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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



## Electric motor operated multi turn valve actuator with thermal protector Details

### 1. Valve mounting standard

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

### 2. Wide range of output torque .

Direct torque outputs range from 40 Nm to 1000Nm. When combined with a worm gearbox, the maximum torque output can be adjusted up to 50,000Nm.

### 3. Different control options meet your specific requirement.

Electric motor operated multi turn valve actuator with thermal protector can be combined with various controls from simple On/off and intelligent modulating control or fieldbus interface.

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