



## Water proof electric multi turn valve actuator



Water proof electric multi turn valve actuator is applied in controlling various valves and other similar products, include butterfly valve, ball valve, gate valve, control valve and etc. With up to 51 terminals, enables direct access without the special wiring copper rings.

Convenient and easier for on-site installation. Water proof electric multi turn valve actuator have been mastering the technology of valve automation industry for decades. AOX is a **supplier** to many large enterprises. Choosing AOX is a professional choice. We have first-class product technology and professional R&D team to provide you with appropriate design.





## Water proof electric multi turn valve actuator Introduction

Water proof electric multi turn valve 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 water proof motorized 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.

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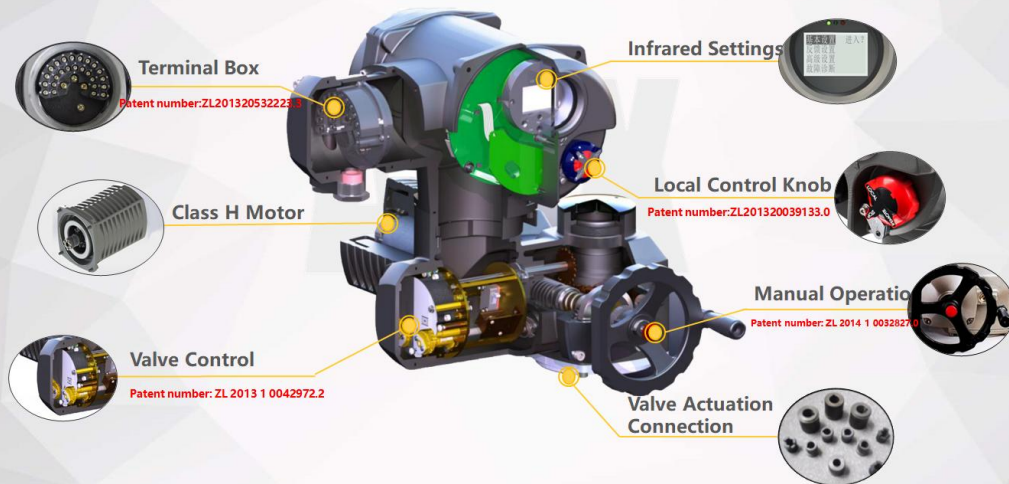
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## Structural Features



## Product Image



## Water proof 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

## Water proof electric multi turn valve actuator Feature And Application

Torque Range: 40 - 1000 Nm Direct Output

Speed: 34 35 45 67 70 90 (rpm)

Motor specification: Class F, with thermal protector up to 135°C

Working System: On-off Type: S2 15 min, no more than 600 times per hour start.

Modulating Type: S4 50 %, up to 600 triggers per hour

Motor overheat protection

Moisture-resistant heaters (anti-moisture device)

Instantaneous reversal protection

Local control inching / automatic holding selection

ESD beyond protection

Two-wire control protection

Mounting base according to ISO5210

Bushing for adapting valve stem

Remote control for setting device/tool

IP68 Enclosure

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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



## Water proof electric multi turn valve actuator Details

### 1. Precise valve position measurement

Water proof electric multi turn valve actuator using magnetic induction absolute encoder, eliminating the traditional potentiometer, improved location accuracy and does not require battery can be accurately recorded valve position when the actuator power outage.

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

Water proof electric multi turn valve actuator can be combined with various controls from simple On/off and intelligent modulating control or fieldbus interface.

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