



## **Electric Motor Operated Multi Turn Valve Actuator With Handwheel**



### **Summary**

"AOX-M" is a product developed by AOX itself and belongs to electric motor operated multi turn valve actuator with handwheel. The excellent quality of products comes from high-precision equipment, rigorous and perfect testing methods and professional technical teams. AOX measures every action with international first-class standards, and provides customers with reliable products is the meaning of AOX existence!

## **Product Introduction of the electric motor operated multi turn valve actuator with handwheel**

"AOX-M" series electric motor operated multi turn valve actuator with handwheel is designed to ensure safety, reliability, labor saving and small size. When power is off, disconnect the motor from the actuator by operating the red button in the middle of the handwheel and start manual operation. Because of the self-locking turbine separation between the motor and the operating shaft, it is easy to switch to manual operation even when the actuator is at the maximum torque value. After starting the motor, the manual operation will be automatically disengaged, and the hand wheel will not work when the motor is operated. (Note: in case of no power, the electric actuator will remain in permanent manual state)



### Product Parameter ( Specification )of the electric motor operated multi turn valve actuator with handwheel

Electrical interface:	2* NPT 3/4 , 1* NPT1 1/2
Ingress Protection:	IP67 , Optional:IP68
Connection size:	ISO5210(Thrust torque type)and JB2920(Three claw type)
Motor Specifications:	Class F, with thermal protector up to +135 °C (+275 °F)
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
Applicable Voltage:	3 phase: AC 380 V (±10 %) /50/60 Hz (±5 %)
Dead Zone:	≤2%
Time Lag:	N/A
Other Function:	Torque protection;Motor overheat protection;Moisture-resistant heaters (anti-moisture device)
Shell:	Enclosure:IP67 ( IP68 optional ) ,NEMA4 and 6
Auxiliary limit	1×Open/ Close, SPDT,250V AC 10A ( on/off model)

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel:+86-577-59890750

Phone:[+86-18967766527](tel:+86-18967766527)

Fax:+86-0577-65921296

E-mail:[zjaox@zjaox.com](mailto:zjaox@zjaox.com)



switch:							
Space heater:	30W (110/220V AC) Condensation preventing (according to conditions, can be adjusted)						
Conduit entry:	Double seal 3× (PT3/4"、PT1"、PT1-1/2"optional)						
Ambient temperature:	-25℃~+70℃ (-30℃、-40℃、-60℃ optional)						
Lubrication:	Special oil for 00 actuators						
Material:	Ductile iron, high-strength aluminum alloys, steel, aluminum bronze, polycarbonate						
Ambient humidity:	Max 90% RH		Non-Condensing				
Anti-vibration:	X Y Z 10g,0.2~34 Hz,30 minutes						
External coating:	Dry powder, epoxy polyester,high anti-corrosion						
Overload protection:	Torque peak overload protection						
Model	Output torque	Speed	Max shaft diameter	Power	Rated current (A) 50HZ	Flange	Weight
	N·m	RPM	mm	W	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

**Production equipment the electric motor operated multi turn valve actuator with handwheel**

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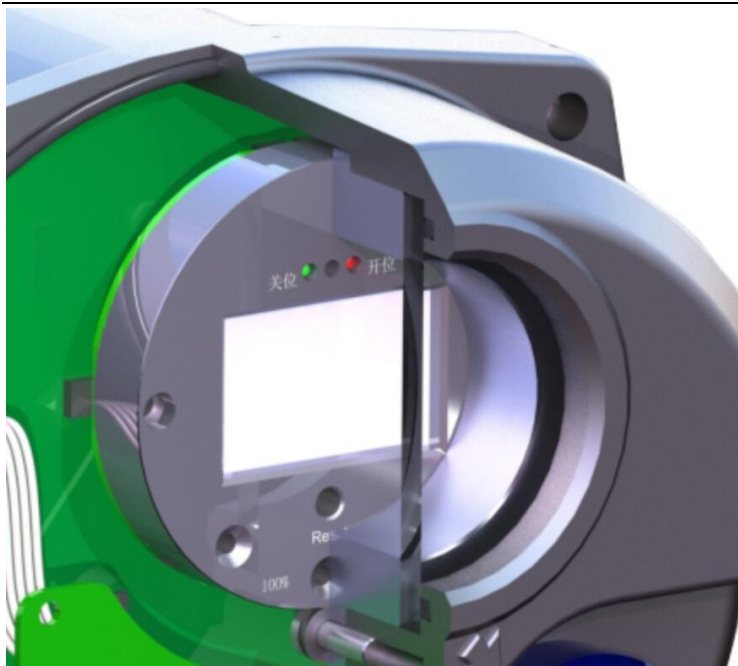


## **Production details of the electric motor operated multi turn valve actuator with handwheel**

1. The modulated multi-turn electric actuators of the AOX-M series can be combined with various control combinations, including simple on/off and intelligent modulated control or fieldbus interfaces. The latest non-intrusive infrared setting design
2. Setting and diagnostics of the AOX-M series explosion-proof multi-turn electric actuators can be carried out via the sealed display without opening the housing. The effective distance between the setting tool and the display is approx. 1-1.5m.



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Tel: [+86-577-59890750](tel:+86-577-59890750)  
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Fax: [+86-0577-65921296](tel:+86-0577-65921296)  
E-mail: [zjax@zjax.com](mailto:zjax@zjax.com)