



## Electric Multi Turn Valve Actuator



### Summary

AOX comes from China and has more than 20 years of production history of electric valve actuators. In the past 20 years, AOX has developed the "AOX-M" series electric multi turn valve actuator. "AOX-M" series intelligent electric actuators have both intelligent and reliable characteristics, and can expand a rich range of applications on basic modular products to meet the needs of various working conditions.

### Product Introduction of the electric multi turn valve actuator

"AOX-M" series electric multi turn valve actuator adopts fully enclosed squirrel cage motor, which has the characteristics of small volume, large torque and small inertia force. The insulation level of the motor is class H and the built-in overheat protection switch can prevent the motor from being damaged by overheat. The traditional potentiometer test valve position is eliminated, and the magnetic induction absolute encoder is used to ensure the position accuracy, and the valve position can be accurately and reliably recorded without battery when the actuator is powered off.

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**Product Parameter ( Specification )of the electric multi turn valve actuator**

Model	Output torque	Speed	Max shaft diameter	Power	Rated current ( A )	Flange	Weight
					50HZ		
	N·m	RPM	mm	W	three phases		
					380V	ISO5210	Kg
AOX-M-00	70	45	Φ28	400	2.42	F10	32

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7	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
Torque Range:		40 - 1000 Nm Direct Output					
Speed:		34 35 45 67 70 90 (rpm)					
Anti-vibration Level:		JB/T8219					
Noise Level:		Less than 75 dB within 1 m					
Corrosion level:		Epoxy powder coating NEMA 4X corrosion protection is optional.					
Explosion-proof level:		Exd IIC T5 design					
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)					
Loss Signal Mode Setting:		N/A					
Dead Zone:		≤2%					
Time Lag:		N/A					
Shell:		Enclosure:IP67 (IP68 optional) ,NEMA4 and 6					
Power:		Standard: 380V AC/3ph Optional: 110/220V AC/1ph,440V AC/3ph, 50/60Hz, ±10%					
Torque switch:		1×Open/ Close, SPDT,250V AC 10A					

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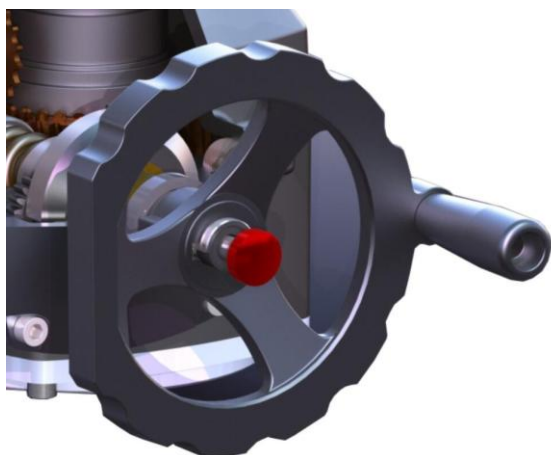
Operating temperature:	Internal-placed thermal protection, Open 120°C ±5°C /Close 97°C ±5°C
Setting mode:	Non-intrusive setting (without opening the cover set type)
Electrically:	Integrated control unit with a non-invasive rotary switch

## Option specification of the electric multi turn valve actuator

NO.	Option cheme	Optional
1	Explosion-proof actuator (Exd II CT4)	AOX-M series
2	Water-proof actuator (IP68,10M,250HR)	AOX-M series
3	High temperature resistance actuator (-10°C~+100°C)	AOX-M series
4	Low temperature resistance actuator (-60°C~+30°C)	AOX-M series
5	Special output drive	AOX-M series

## Production details of the electric multi turn valve actuator

Installation flange of AOX-M series intelligent multi turn electric actuator is according to EN ISO5210 or DIN3210 standard. Various types of output drive types to choose, suitable for different types of valves.



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