



Explosion Proof Electric Multi Turn Actuator



Summary

"AOX-M" series expansion proof electric multi turn actuator is a high-end electric actuator from China, which is developed by AOX manufacturing with 20 years of experience in electric actuator R & D. "AOX-M" series can be configured with different valve gearboxes to greatly expand the torque range or the multi rotation actuators can be changed into partial rotation, crank arm type and linear actuators, and suitable series types can be found for various requirements.

Product Introduction of the electric motor operated multi turn valve actuator

In terms of infrared setting, the "AOX-M" series expansion proof electric multi turn actuator can set and diagnose all the actuators through the sealed indicator window. It is not necessary to open the electric box cover on site to expose the internal control circuit. The effective conversation distance between the setter and the window is 1-1.5 meters (customizable conversation distance can reach 3-4 meters). The on-site control switch and the latch type on-site / stop / remote selector are magnetic switches without through shaft, which are controlled by the internal Hall switch tube of the actuator, ensuring the sealing and moisture-proof requirements of the actuator.

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

Model	Output torque	Speed	Max shaft diameter	Power	Rated current (A)	Flange	Weight
					50HZ three phases		
	N·m	RPM	mm	W	380V	ISO52 10	Kg
AOX-M-007	70	45	Φ28	400	2.42	F10	32
	70	90		400	2.95		

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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
Speed:		34 35 45 67 70 90 (rpm)					
Motor specification:		Class F, with thermal protector up to 135°C					
Electrical interface:		2* NPT 3/4 , 1* NPT1 1/2					
Ingress Protection:		IP67 , Optional:IP68					
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					
Input :		AC 110/220 Input					
Signal Feedback:		Integrated fault contacts,Close the valve contact,Open the valve contact					
Input signal:		4 - 20 mA; 0 - 10 V; 2 - 10 V					
Power:		Standard: 380V AC/3ph Optional: 110/220V AC/1ph,440V AC/3ph, 50/60Hz, ±10%					
Motor:		Asynchronous motor					
Auxiliary limit switch:		1×Open/ Close, SPDT,250V AC 10A (on/off model)					
Torque switch:		1×Open/ Close, SPDT,250V AC 10A					
Operating		Internal-placed thermal protection, Open 120°C ±5°C /Close 97°C					

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temperature:	±5°C
Self-locking device:	Self-locking by worm and worm gear
Lubrication:	Special oil for 00 actuators
Electrically:	Integrated control unit with a non-invasive rotary switch

Our Certificate of the electric motor operated multi turn valve actuator



Our company has obtained various domestic and foreign certifications such as ISO9001, ISO14001, CE, ATEX, GOST, EAC, SIL3, IP68, CU-TR, explosion-proof, etc for AOX-M series non-intrusive setting multi turn electric actuator, Strict quality control in all stages and constantly improving the product quality control standards is the consensus of the staff.

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Production details of the electric part turn ball valve actuator

“AOX-M” series modulating multi turn electric actuator can be combined with various controls from simple On/off and intelligent modulating control or fieldbus interface. Latest non-invasive design with infrared setting

The setting and diagnostic of the “AOX-M” series explosion proof multi turn electric actuator can be processed via sealing display screen, without opening the housing. The valid distance between the setting tools and display screen is about 1-1.5m.

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