



Electric Motor Operated Linear Valve

Actuator

AOX is a Chinese supplier specializing in the electric actuator industry for more than 20 years, and is an industrial and trade company integrating R&D, design, manufacturing and sales. The "AOX-L" series is a Electric Motor Operated Linear Valve Actuator developed by AOX itself. . In case of power failure, the self-locking drive mechanism

ensures that the valve position remains unchanged, and mechanical limits are set to prevent overtravel.

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Summary

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Product Introduction of the electric motor operated linear valve actuator

The design of "AOX-L" series electric motor operated linear valve actuator handwheel ensures

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safety, reliability, labor saving and small size. With manual and automatic clutch function. In case of power failure, it can be switched to the manual state to operate the valve with the hand wheel, and automatically release the hand wheel engagement at the moment of motor rotation to ensure personnel safety. (Note: in case of no power supply, the electric actuator will remain in permanent manual state)



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

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Noise level:	Less than 75 dB within 1 m	
Electrical interface:	IP67, Optional:IP68	
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	
Output signal:	4 - 20 mA; 0 - 10 V; 2 - 10 V	
Loss Signal Mode Setting:	N/A	
Power:	Standard:220VAC/1ph; 380V/440V/3ph,50/60Hz	Optional:110VAC/1ph,
Motor:	Asynchronous motor	
Self-locking device:	Self-locking by worm and worm gear	
Conduit entry:	2 × M18*1.5	
Ambient temperature:	-30℃ ~+70℃	
Lubrication:	Grease moly (EP type)	
Ambient humidity:	Max 90% RH	Non-Condensing
Anti-vibration:	X Y Z 10g,0.2~34 Hz,30 minutes	
Other faction:	Space heater with thermostat to prevent overheating; Provide a wide range of voltage;	

Model	Thrust	Speed	Max travel	power	Rated current(A)	Weight
	N	mm/S	mm	W	220V/50HZ/1PH	Kg
AOX-L-30	3000	1	25	30	0.31	17.5
AOX-L-50	5000	1	40	45	0.42	19
AOX-L-80	8000	1	60	60	0.62	19.5
AOX-L-100	10000	1.5	100	60	0.68	33
AOX-L-160	16000	1.5	100	90	0.85	33
AOX-L-200	20000	1.5	100	90	0.87	33
AOX-L-250	25000	1.5	100	120	1.22	33
AOX-L-300	30000	1.5	100	120	1.28	33

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Our Advantages of the electric motor operated linear valve actuator

We have a provincial R & D testing center, advanced testing equipment can carry out various tests on parts and finished products.



Production details of the electric motor operated linear valve actuator

The valve position detection mechanism of the "AOX-L" series has certain advantages and uniqueness. The valve position detection mechanism is based on two sets of gears directly connected to the output shaft and the control mechanism, which independently detect the real-time valve position and the fully open and fully closed position respectively, maximising accuracy and safety.

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