



AOXIANG
ELECTRIC INTELLIGENT ACTUATOR
ELECTRIC VALVES



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AOX Electric Actuator

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SUMMARY



"AOX" series electric actuator is used for controlling 0°~270° rotation valves and other similar products, such as butterfly valve, ball valve, damper, flapper valve, cock valve etc. It widely applies to petroleum, chemical, water treatment, shipping, paper making, power plant, heating, light industry and other industries. Drived by 380V/220V/110VAC or 24V/110VDC power, inputs 4-20mA or 0-10VDC control signal, moves valve to the right position, and achieves to automatic control, the maximum output torque is 6000N.M

PERFORMANCE PARAMETER

Model	Max output torque(N·M)	Operating time 90°(S)	Drive shaft(mm)				Motor (W)	Rated current(A) 220VAC/1ph	Weight (kg)
			Square	Deep	Round	Deep			
AOX-003	30	10	9×9 11×11	13.5 15.5	Φ12.6	26	8	0.15	2.1
AOX-005	50	30	11×11 14×14	15.5 18	Φ12.6	26	10	0.25	3.6
AOX-008	80	30	11×11 14×14	15.5 18	Φ15.78	26	10	0.25	3.6
AOX-010	100	30	14×14 17×17	18 22.5	Φ15.78 Φ18.95	28	15	0.35	4.6
AOX-015	150	30	14×14 17×17	18 22.5	Φ18.95	28	15	0.37	4.6
AOX-020	2 0 0	30	22×22	26	Φ22.13	45	45	0.3	13
AOX-030	3 0 0	30	22×22	26	Φ28.48	45	45	0.31	13.4
AOX-040	4 0 0	30	22×22	26	Φ28.48	45	60	0.33	13.8
AOX-060	6 0 0	30	27×27	32.5	Φ31.65	45	90	0.33	14
AOX-080	8 0 0	40	27×27	32.5	Φ31.65	45	180	0.47	14.3
AOX-100	1000	40	27×27	32.5	Φ31.65	45	180	0.47	14.5
AOX-160	1600	120	MaxΦ45		Deep 65		180	0.85	68
AOX-200	2000	120	MaxΦ45		Deep 65		180	0.85	68
AOX-300	3000	120	MaxΦ45		Deep 65		180	0.85	68
AOX-400	4000	200	MaxΦ45		Deep 65		180	0.85	68
AOX-500	5000	200	MaxΦ45		Deep 65		180	0.85	68
AOX-600	6000	200	MaxΦ45		Deep 65		180	0.85	68

STANDARD TECHNICAL PARAMETER

Shell	Aluminium alloy Shell, Enclosure:IP67,IP68 is optional	
Power	Standard:220VAC/1ph Optional:110VAC/1ph, 380V/440V/3ph,50/60HZ, ±10% 24VDC/110VDC/220VDC	
Controlling power	110/220V AC 1Phase,50/60 Hz, ±10%	
Motor	Squirrel-cage Asynchronous Motor	
Limit switch	2×Open/ Close,SPDT,250V AC 10A	
Auxiliary limit switch	2×Open/ Close,SPDT,250V AC 10A	
Travel	90° ~270°±10°(Please specify in advance if over 90°)	
Fail safe/ Operating temperature	Internal-placed thermal protection, On 120°C ±5°C/Off 97°C ± 5°C	
Indicator	Continuous situation indication	
Manul operation	Mechanical handle (Handwheel is optional)	
Self-locking device	Self-locking by worm and worm gear	
Mechanical Limit	2 x external adjustable stopper	
Space heater	7-10W (110/220V AC) Anti-condensation	
Conduit entries	2 Pieces M18	
Ambient temperature	-20°C~+70°C	
Lubrication	Grease moly(EP tyte)	
Material	Steel, Aluminium alloy, Aluminium bronze, Polycarbonate	
Ambient humidity	Max 90% RH	
Anti-vibration	X Y Z 10g,0.2~34 Hz,30 minutes	
External coating	Dry powder, Epoxy polyester	



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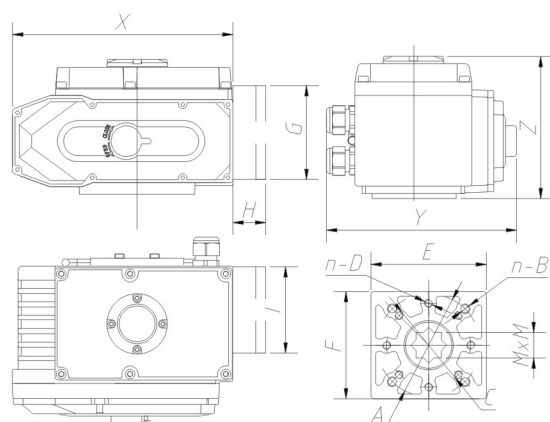


AOX Electric Actuator Series

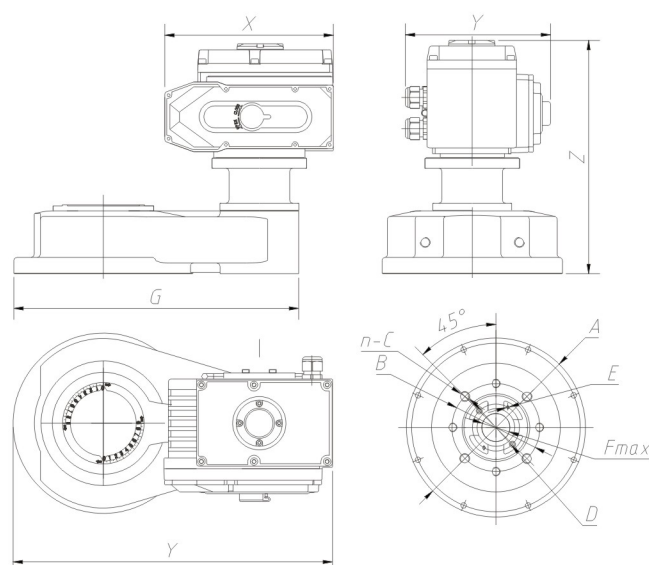
QUICK OPENING SERIES

GENERAL DRAWING

AOX-003~AOX-100



AOX-160~AOX-600



Model	X	Y	Z	A	B	C	N-D	E	F	G	H	I	M-M
AOX-003	123	100	113	Φ50	4-M6	Φ42/Φ36	8-M5	50	50	114	40	150	11x11
AOX-005	160	121	121	Φ70	4-M8	Φ50	4-M6	66	66	114	40	150	14x14
AOX-008	160	121	121	Φ70	4-M8	Φ50	4-M6	66	66	114	40	150	14x14
AOX-010	189	145	129	Φ70	4-M8	Φ50	4-M6	100	90	114	40	150	17x17
AOX-015	189	145	129	Φ70	4-M8	Φ50	4-M6	100	90	114	40	150	17x17
AOX-020	266	255	164	Φ125	4-M12	Φ102	8-M10	140	130	114	40	150	27x27
AOX-030	266	255	164	Φ125	4-M12	Φ102	8-M10	140	130	114	40	150	27x27
AOX-040	266	255	164	Φ125	4-M12	Φ102	8-M10	140	130	114	40	150	27x27
AOX-060	266	255	164	Φ125	4-M12	Φ102	8-M10	140	130	114	40	150	27x27
AOX-080	266	255	164	Φ125	4-M12	Φ102	8-M10	140	130	114	40	150	27x27
AOX-100	266	255	164	Φ125	4-M12	Φ102	8-M10	140	130	114	40	150	27x27
AOX-160	266	255	349	Φ285	Φ140/165	4-M16/M20	Φ75	2-M6	Φ45	454	/	/	/
AOX-200	266	255	349	Φ285	Φ140/165	4-M16/M20	Φ75	2-M6	Φ45	454	/	/	/
AOX-300	266	255	349	Φ285	Φ140/165	4-M16/M20	Φ75	2-M6	Φ45	454	/	/	/
AOX-400	266	255	349	Φ285	Φ140/165	4-M16/M20	Φ75	2-M6	Φ45	454	/	/	/
AOX-500	266	255	349	Φ285	Φ140/165	4-M16/M20	Φ75	2-M6	Φ45	454	/	/	/
AOX-600	266	255	349	Φ285	Φ140/165	4-M16/M20	Φ75	2-M6	Φ45	454	/	/	/



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OPTION SPECIFICATION

No.	Option scheme	Remark
1	Heater	Except AOX-003
2	Water-proof actuator (IP68,10M,250HR)	AOX series
3	Potentiometer unit (1K-10K)	Except AOX-003
4	Proportion control unit (control signal 4-20mA DC/1-5V/1-10V)	Except AOX-003
5	Local control units (local control open/stop/close optional switch, local/remote switch)	Except AOX-003
6	Travel 120°, 180°,270°	AOX series
7	Direct current motor (24VDC)	Except AOX-003
8	Electric current position sensor (output 4-20mA DC)	Except AOX-003
9	Self-reset when power failure	AOX series
10	Quick opening (2.8S, 5S, 10S, 15S)	AOX series

