



## Motor operated quarter turn actuator

AOX-R series motor operated quarter turn actuator is newly designed for a swing angle ranging between 90° and 270°, such as butterfly valves, ball valves. AOX supply the best quality motor operated quarter turn actuator with high technology and high performance. We are committed to providing good service and support to all of our clients around the

world.

## Features

Torque range: 30~5000N.m

Weight: 2.1 KGS~68 KGS

Protection: IP67, (IP68 optional)

Applicable valve : Ball Valve (DN15-DN200); Butterfly Valve (DN25-DN400)

Material of Actuator Body: Aluminium Alloy

Manual Override: N/A

1. Compact design: Small, light and compact design, high torque and various control option will meet your specific requirement.
2. New mechanical position indicator: The new sealing structure of AOX-R series motor operated quarter turn actuator meet requirement of the outdoor working environment and avoid the water.

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3. The diversity of color choices: Standard color is gray and blue.
4. Simple manual structure: The manual operation of AOX-R series motor operated quarter turn actuator is designed with spanner, it's safe, reliable, labor-saving.



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## Our Advantages

**Other**



**AOX**



The modulating module of AOX-R series motor operated quarter turn actuator adopts external installation, and the bare board heats up better. It solves the contradiction that the maximum temperature of the actuator is 120 °C and the electronic element temperature of the module is only 70 °C.

## Performance Parmeter

Model	Max output torque	Operating Time 90 °	Drive shaft(mm)		Power (W)	Rated current (A) 220VAC/1ph	Weight (kg)
	N M	( 90 °)	Square	Deep			
AOX-R-003	30	20	11×11	15.5	8	0.25	2.1
AOX-R-005	50	30	14×14	18	10	0.24	3.6
AOX-R-008	80	30	14×14	18	10	0.26	3.6
AOX-R-010	100	30	17×17	22.5	15	0.40	4.6
AOX-R-015	150	40	17×17	22.5	15	0.42	4.6
AOX-R-020	200	30	22×22	26	60	0.28	13
AOX-R-030	300	30	22×22	26	60	0.32	13.4
AOX-R-040	400	30	22×22	26	60	0.34	13.8

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AOX-R-060	600	40	27×27	32.5	60	0.35	14
AOX-R-080	800	40	27×27	32.5	90	0.56	14.3
AOX-R-100	1000	40	27×27	32.5	90	0.59	14.5
AOX-R-160	1600	60	Max Φ40	65	90	0.60	68
AOX-R-200	2000	60	Max Φ40	65	90	0.62	68
AOX-R-300	3000	120	Max Φ40	65	90	0.64	68
AOX-R-400	4000	200	Max Φ40	65	90	0.66	68
AOX-R-500	5000	200	Max Φ40	65	90	0.67	68

## Standard Specification

Shell	Aluminum 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	110/220VAC/1ph, 50/60 Hz, ±10%	
Motor	Squirrel-cage asynchronous motor	
Limit switch	2×Open/ Close, SPDT,250VAC 10A	
Auxiliary limit switch	2×Open/ Close, SPDT,250VAC 10A	
Travel	90 °~270 °±10 (Please specify in advance if over 90 °)	0 °~270 °
Fail safe/ Operating temperature	Internal-placed thermal protection, Open 120°C ±5°C/Close 97°C ±5°C	
Indicator	Continuous situation indication	
Manual 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	30W (110/220VAC) Anti-condensation	
Conduit entries	2 Pieces M18*1.5 (AOX-R-003 except)	
Ambient temperature	-25°C ~ +70°C (-30°C、-40°C、-60°C optional)	

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Lubrication	Grease moly (EP type)	
Material	Steel, Aluminum alloy, 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	

## Option Specification

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

## Manufacturing process

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We insist that stability and reliability are the first requirement of industrial products, and exquisite technology as well as advanced equipment ensures excellent quality of products. AOX sustained investment in high-level equipment enables the strict control on manufacturing process, which assures good quality of AOX-R series motor operated quarter turn actuator.

## Our Patents



## Our Certificate

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Our company has obtained various domestic and foreign certifications such as ISO9001, ISO14001, CE, ATEX, GOST, EAC, SIL3, IP68, CU-TR, explosion-proof, etc., Strict quality control in all stages and constantly improving the product quality control standards is the consensus of the staff.

## Transportation

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Package : Plywood case or carton packaging

Shipping: 15 days after payment



## FAQ

Q: Can we call on skype?

A: Yes, we can. What's more, there are many optional ways we can talk easily, such as e-mail, Wechat, etc.

Q: Are you able to customize the enclosure designs suiting our needs for AOX-R series motor operated quarter turn actuator?

A: We've always tried to provide our buyers with customized services, if technically and resonable cost allowed.

Q: How dose your QC work ?

A: We execute 100% inspection. Products will need reworking in workshop if inspection fails. We stick to checking quantity, cartons,

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