



## Unique Part Turn Electric 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-R" series is a unique part turn electric actuator developed by AOX itself. Compared with other brands of electric actuators, the "AOX-R" series has better performance. 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.

## Unique Part Turn Electric Actuator

### Summary

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-R" series is a **unique part turn electric actuator** developed by AOX itself. Compared with other brands of electric actuators, the "AOX-R" series has better performance. 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.

### Product Introduction of the unique part turn electric actuator

The "AOX-R" series are high quality and **unique part turn electric actuators** developed by the AOX companies and have received many certifications such as DNVGL, CCS and EU CE. The "AOX-R" series is made of die-cast aluminum housing with high strength and high performance. The maximum torque of the electric actuator reaches 5000NM after assembling the gearbox, and supports three angles from 0° to 90°, 180° and 270° for operation.

The **unique part turn electric actuator** is widely used in butterfly valve, ball valve, dampers, baffle valve, plug valve, shutter valve, multi-way valve and various special valves, applicable to various industries such as petroleum, chemical, new energy, environmental protection, military, water treatment, ship,

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: [+86-577-59890750](tel:+86-577-59890750)

Phone: [+86-18967766527](tel:+86-18967766527)

Fax: +86-0577-65921296

E-mail: [zjaox@zjaox.com](mailto:zjaox@zjaox.com)



power station, fire fighting, etc.



**Product Parameter ( Specification )of the unique part turn electric actuator**

|                      |                                    |
|----------------------|------------------------------------|
| Torque range:        | 30 ~ 5000NM;                       |
| Switching time:      | 20 ~ 200S;                         |
| Ambient temperature: | 20°C~ + 70°C;                      |
| Control mode:        | on-off / regulating / intelligent; |

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: +86-577-59890750

Phone: +86-18967766527

Fax: +86-0577-65921296

E-mail: [zjaox@zjaox.com](mailto:zjaox@zjaox.com)



|                            |   |
|----------------------------|---|
| Weight:                    | 2.1 KGS ~ 68KGS   |
| Protection grade:          | IP67, (IP68 optional);  |
| Voltage:                   | ac110 ~ 265V, AC / DC 24V multi voltage input;  |
| Single phase:              | AC220V / AC110V / AC24V / DC24V;  |
| Material of actuator body: | aluminum alloy;   |
| Limit switch:              | 2 * open / close, SPDT, 250V AC 10A;  |
| Position indicator:        | the valve position dial can display continuous position change even in case of power failure; |
| Self locking device:       | turbine and worm mechanism provide self-locking;  |

| model     | Maximum output torque | actuation time | output shaft (mm) |      | electrical machinery | Single phase rated current (A) | weight (kg) |
|-----------|-----------------------|----------------|-------------------|------|----------------------|--------------------------------|-------------|
|           | N·M                   | ( 90°)         | Square            | Deep | (W)                  | 220V(A)50HZ (kg)               |             |
| AOX-R-003 | 30                    | 20             | 11×11             | 15.5 | 8                    | 0.24                           | 2.1         |
| AOX-R-005 | 50                    | 30             | 14×14             | 18   | 10                   | 0.23                           | 3.6         |
| AOX-R-008 | 80                    | 30             | 14×14             | 18   | 10                   | 0.24                           | 3.6         |
| AOX-R-010 | 100                   | 30             | 17×17             | 22.5 | 15                   | 0.41                           | 4.6         |
| AOX-R-015 | 150                   | 40             | 17×17             | 22.5 | 15                   | 0.41                           | 4.6         |
| AOX-R-020 | 200                   | 30             | 22×22             | 26   | 60                   | 0.44                           | 13          |
| AOX-R-030 | 300                   | 30             | 22×22             | 26   | 60                   | 0.48                           | 13.4        |
| AOX-R-040 | 400                   | 30             | 22×22             | 26   | 60                   | 0.54                           | 13.8        |
| AOX-R-060 | 600                   | 40             | 27×27             | 32.5 | 60                   | 0.57                           | 14          |
| AOX-R-080 | 800                   | 40             | 27×27             | 32.5 | 90                   | 0.91                           | 14.3        |
| AOX-R-100 | 1000                  | 40             | 27×27             | 32.5 | 90                   | 1.18                           | 14.5        |
| AOX-R-160 | 1600                  | 60             | MaxΦ60            | 133  | 90                   | 1.08                           | 68          |
| AOX-R-200 | 2000                  | 60             | MaxΦ60            | 133  | 90                   | 1.30                           | 68          |
| AOX-R-300 | 3000                  | 120            | MaxΦ60            | 133  | 90                   | 1                              | 68          |
| AOX-R-400 | 4000                  | 200            | MaxΦ60            | 133  | 90                   | 0.93                           | 68          |
| AOX-R-500 | 5000                  | 200            | MaxΦ60            | 133  | 90                   | 1                              | 68          |

## Product Feature And Application of the unique part turn electric actuator

Compared with the electric actuators produced by other factories, the "AOX-R" series part turn electric actuators developed by AOX have their own unique

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel:+86-577-59890750

Phone:+86-18967766527

Fax:+86-0577-65921296

E-mail:[zjaox@zjaox.com](mailto:zjaox@zjaox.com)



features.

Other electric actuators



AOX-R series



The electric actuators in other plants are old in appearance and have not been upgraded in appearance for many years. "AOX-R" series part turn electric actuators are developed by AOX itself. The appearance has been upgraded and updated for many times, and the appearance is very novel, beautiful and unique. The die-casting aluminum shell has high strength and adopts anti-corrosion coating to provide sufficient protection for the internal electronic components of the electric actuators.

### **Production details of the unique part turn electric actuator**

Protection grade up to IP67: By improving the concave and convex structure of the upper and lower cover joint surface of the product.

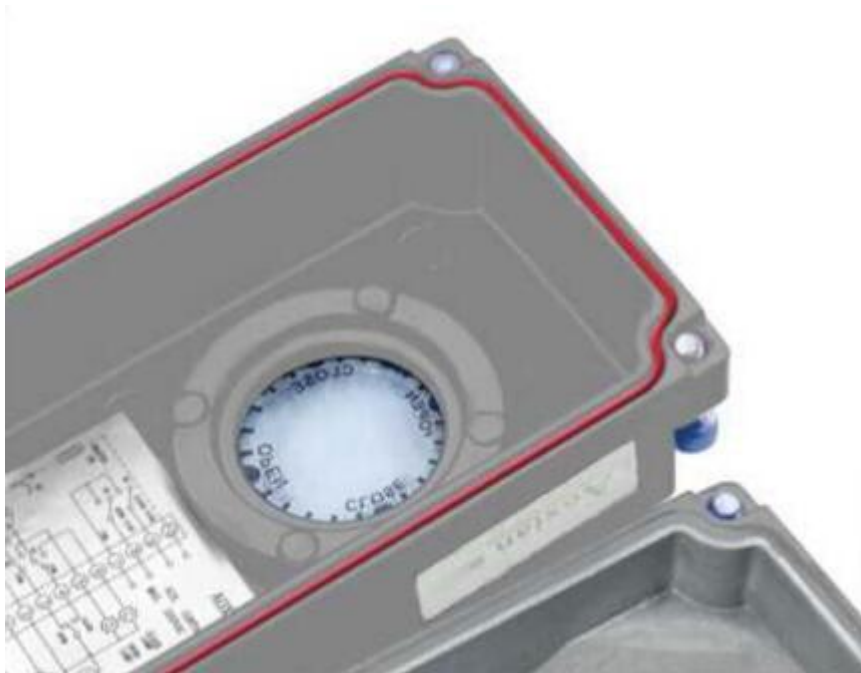
Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: [+86-577-59890750](tel:+86-577-59890750)

Phone: [+86-18967766527](tel:+86-18967766527)

Fax: [+86-0577-65921296](tel:+86-0577-65921296)

E-mail: [zjaox@zjaox.com](mailto:zjaox@zjaox.com)



Lens structure: mechanical sealing structure is adopted to avoid the use of chemical adhesives due to field conditions (such as high temperature and pressure) and the aging of water. The improved product is fully compatible with outdoor use conditions, and can even be used for a short time with water and electricity. (Such as the output shaft oil seal does not wear, can be used for a long time diving).

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: +86-577-59890750

Phone: +86-18967766527

Fax: +86-0577-65921296

E-mail: [zjaox@zjaox.com](mailto:zjaox@zjaox.com)



Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: +86-577-59890750

Phone: +86-18967766527

Fax: +86-0577-65921296

E-mail: [zjax@zjax.com](mailto:zjax@zjax.com)