



## Automation Electric Multi Turn Valve

### Actuator



### Summary

"AOX-M" series automatic electronic multi turn valve actuator is a product developed and sold by AOX after 20 years of precipitation. "AOX-M" series is widely used in petroleum, chemical industry, water treatment, shipping, paper making, power station, heating, building automation and other industries. It has rich application experience and constantly solves practical problems.

## Product Introduction of the automation electric multi turn valve actuator

In order to protect the motor from overheating, the "AOX-M" series automatic electronic multi turn valve actuator has two series thermal switches installed in each winding of three-phase motor or single-phase motor. After they are inserted into the control circuit, they can prevent the motor from being damaged by overheating of the winding temperature. The thermal switch can provide better protection than the thermal overload relay because the temperature sensing element is inside the motor. Once the temperature of a winding exceeds 120 °C, the thermal switch will cut off the control power supply. When the winding temperature drops to 90 °C, the motor will restart. Motor protection equipment (overheat protection switch or thermal regulator) participates in external wiring control.

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**Product Parameter ( Specification )of the automation electric multi turn valve actuator**

| Model     | Output torque | Speed | Max shaft diameter | Power | Rated current ( A ) | Flange  | Weight |
|-----------|---------------|-------|--------------------|-------|---------------------|---------|--------|
|           |               |       |                    |       | 50HZ                |         |        |
|           |               |       |                    |       | three phases        |         |        |
|           |               |       |                    |       | 380V                | ISO5210 | Kg     |
| AOX-M-007 | 70            | 45    | Φ28                | 400   | 2.42                | F10     | 32     |
|           | 70            | 90    |                    | 400   | 2.95                |         |        |
| AOX-M-010 | 120           | 35    | Φ28                | 600   | 2.25                | F10     | 38     |
|           | 120           | 70    |                    | 600   | 3.18                |         |        |
|           | 120           | 105   |                    | 800   | 5.15                |         |        |

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|                         |      |   |     |      |       |     |     |
|-------------------------|------|---|-----|------|-------|-----|-----|
| 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 |
| Torque Range:           |      | 40 - 1000 Nm Direct Output  |     |      |       |     |     |
| Speed:                  |      | 34 35 45 67 70 90 (rpm)   |     |      |       |     |     |
| Ambient Temperature:    |      | -30°C --+70°C Optional; -40°C- 60°C   |     |      |       |     |     |
| 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  |     |      |       |     |     |
| Applicable Voltage:     |      | 3 phase: AC 380 V (±10 %) /50/60 Hz (±5 %);optional: 1 phase AC 220 V         |     |      |       |     |     |
| Input :                 |      | AC 110/220 Input  |     |      |       |     |     |
| Time Lag:               |      | N/A   |     |      |       |     |     |
| Power:                  |      | Standard: 380V AC/3ph<br>Optional: 110/220V AC/1ph,440V AC/3ph, 50/60Hz, ±10% |     |      |       |     |     |
| Motor:                  |      | Asynchronous motor  |     |      |       |     |     |
| Limit switch:           |      | 1×Open/ Close, SPDT,250V AC 10A ( on/off model )                              |     |      |       |     |     |
| Auxiliary limit switch: |      | 1×Open/ Close, SPDT,250V AC 10A ( on/off model )                              |     |      |       |     |     |
| Torque switch:          |      | 1×Open/ Close, SPDT,250V AC 10A   |     |      |       |     |     |
| Anti-vibration:         |      | X Y Z 10g,0.2~34 Hz,30 minutes  |     |      |       |     |     |
| External coating:       |      | Dry powder, epoxy polyester,high anti-corrosion                               |     |      |       |     |     |
| Overload protection:    |      | Torque peak overload protection   |     |      |       |     |     |
| Display screen:         |      | LED display (smart regulation type)   |     |      |       |     |     |

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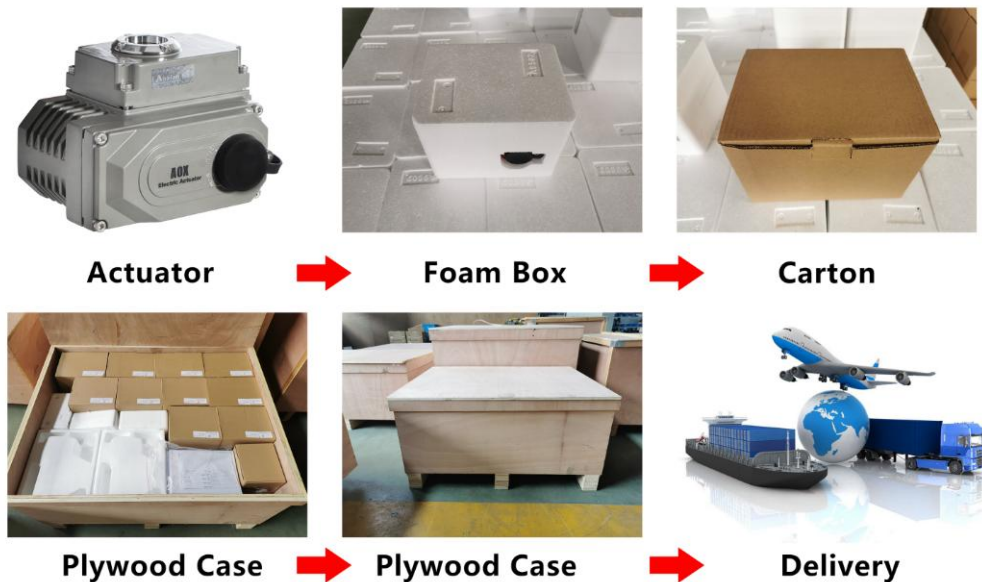
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## Packaging of the automation electric multi turn valve actuator



In ensuring product quality at the same time, we also pay attention to the details of control, especially product packaging, fine packaging can effectively ensure the appearance of AOX-M series non-intrusive setting multi turn electric actuator and give customers a good experience.

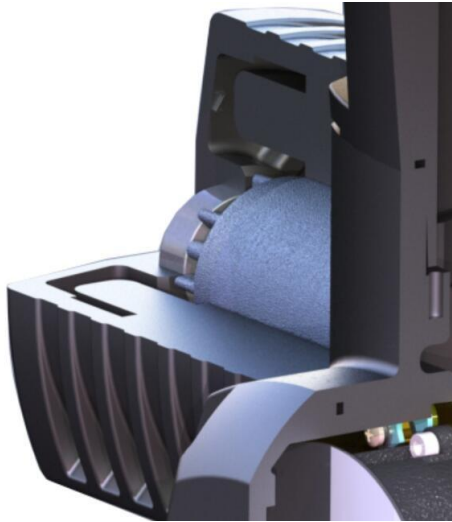
## Production details of the automation electric multi turn valve actuator

Motor : Specially designed high starting torque motor, can frequent open the valve from fully closed position. In addition to the three-phase AC motors, single-phase AC are also suitable for AOX-M series water proof multi turn electric actuator.



[www.aox-privod.com](http://www.aox-privod.com)

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