



Mini Electric Part Turn Ball Valve

Actuator



Summary

"AOX-R" series is an electric actuator developed by AOX. This product is a mini electric part turn ball valve actuator, which can realize the control of opening, closing and middle position through the switching of external power supply. Various standard control signals can also be received and fed back.

Product Introduction of the mini electric part turn ball valve actuator

The "AOX-R" series of mini electric part turn ball valve actuators are mechanically sealed to avoid the use of chemical adhesives which can lead to water ingress due to the high temperature and pressure conditions in the field. The improved product is fully compatible with outdoor conditions and can even be used with water and electricity for short periods of time. (If the output shaft oil seal is not worn, it can be used underwater for long periods of time)

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Product Parameter (Specification)of the mini electric part turn ball valve actuator

| | |
|-----------------------|---|
| Torque range: | 30 ~ 5000NM; |
| Switching time: | 20 ~ 200S; |
| Ambient temperature: | 20℃ ~ + 70 ℃; |
| Output flange: | bottom mounting dimension is in accordance with ISO5211 international standard; |
| Output shaft: | the drive shaft sleeve can be disassembled and processed as required, with strong adaptability. It can be installed vertically or horizontally; |
| Output signal: | (On-off type)Fully open & fully close passive contact(2A 250VAC). |
| Input/output signal : | (modulating type)4-20mA(std configuration);0-10V &2-10V is optional. |
| Local Control Unit: | Local control knob of open/close/stop, switch knob of close control remote control/Bus control(non-intrusive) |
| Display Mode: | LCD, indication of opening(0-100%) and open/close fault. |

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| | |
|----------------------------|--|
| Control Mode: | On-off signal control, Modulating (proportional regulation) control, Fieldbus Control etc. |
| Type of On-off Signal: | Contact signal. Pulse signal |
| Type of Modulating Signal: | 0-10V, 2-10V, 4-20mA, etc. |
| Type of Field-bus Signal: | Modbus-RTU, Profibus-DP, etc. |
| Local Controller: | AOX remote control(Optional) |

| 型号 | 最大输出 扭矩 | 动作时间 | 输出轴(mm) | | 电机 | 单相额定电流(A) | 重量 |
|-----------|------------|---------|-------------|-----------|-----|------------------|------|
| | N · M | (90°) | 方 Square | 深 Deep | (W) | 220V(A)50HZ (kg) | (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 | Max Φ 60 | 133 | 90 | 1.08 | 68 |
| AOX-R-200 | 2000 | 60 | Max Φ 60 | 133 | 90 | 1.30 | 68 |
| AOX-R-300 | 3000 | 120 | Max Φ 60 | 133 | 90 | 1 | 68 |
| AOX-R-400 | 4000 | 200 | Max Φ 60 | 133 | 90 | 0.93 | 68 |
| AOX-R-500 | 5000 | 200 | Max Φ 60 | 133 | 90 | 1 | 68 |

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Manufacturing process of the mini electric part turn ball valve actuator



Our company has been engaged in the manufacture of electric actuators for 25 years, with a fairly mature manufacturing process and perfect production equipment, annual production capacity of more than 80,000 electric actuators. With more than 300 sets of production equipment and nearly 200 sets of inspection equipment, each actuator factory before strict testing, equipment are purchased from domestic famous companies, high production efficiency, high processing accuracy. We have a perfect production and processing process to ensure the quality of the material.

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R&D capability of the mini electric part turn ball valve actuator



On the basis of in-depth analysis and accurate grasp of the market, AOX will focus on research and development to support the medium and long-term development needs of Aoxiang, especially to continuously research and develop new products and processes with market prospects and competitiveness, and actively engage in digestion, absorption and innovation of introduced technologies to form leading products and core technologies with independent intellectual property rights.

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