



High torque automation electric multi turn valve actuator



High torque automation electric multi turn valve actuator is applied in controlling various valves and other similar products, include butterfly valve, ball valve, gate valve, control valve and etc. With up to 51 terminals, enables direct access without the special wiring copper rings. Convenient and easier for on-site

installation. High torque automation electric multi turn valve actuator meets international standards and is designed with the aim of high reliability and long service life - trying to minimize maintenance requirements. AOX has its own **factory**. AOX implementers guarantee safe and reliable services under various extreme environmental conditions.



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



High torque automation electric multi turn valve actuator

Introduction

High torque automation electric multi turn valve actuator is applied in controlling various valves and other similar products, include butterfly valve, ball valve, gate valve, control valve and etc. Double sealed structure of the wiring chamber. The internal electrical devices are guaranteed to be in a perfectly sealed protection when the actuator is performing on-site installation and debugging. AOX supply the best quality high torque automation electric multi turn valve actuator with high technology and high performance. AOX is a **supplier** to many large enterprises. We are committed to providing good service and support to all of our clients around the world.

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

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

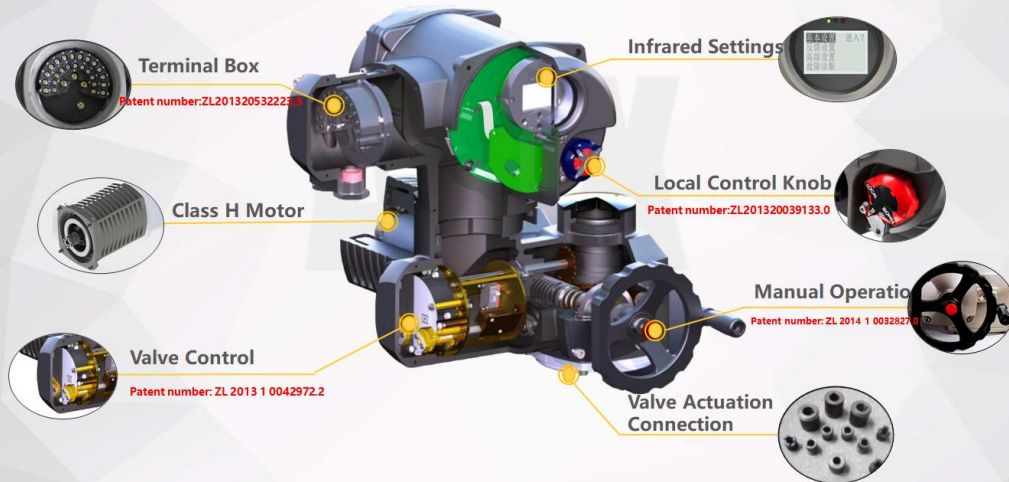
Phone: [+86-18967766527](tel:+86-18967766527)

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

E-mail: zjax@zjax.com



Structural Features



Product Image



High torque automation electric multi turn valve actuator

Parameter (Specification)

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



Model	Output torque	Speed	Maxshaft diameter	Power	Rated current (A) 50HZ	Flange	Weight
	N·m	RPM			mm		
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		
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

High torque automation electric multi turn valve actuator

Feature And Application

Torque Range: 40 - 1000 Nm Direct Output

Speed: 34 35 45 67 70 90 (rpm)

Explosion-proof level: Exd IIC T5 design

Connection size:ISO5210(Thrust torque type)and JB2920(Three claw type)

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

Dead Zone:≤2%

Time Lag:N/A

Limit and torque sensing

Absolute encoder precision detection valve position

Manual / automatic clutch switching

Local control inching / automatic holding selection

ESD beyond protection

Two-wire control protection

Three-phase power phase sequence protection

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



Additional Mechanical Parts

Through the combination of AOX-M series multi-turn electric actuator and the following mechanical components, other types of valves can be controlled.

	Through the configuration of linear thrust unit, can constitute a direct stroke actuator, suitable for regulating valves. > Thrust: 10~160 KN > Stroke: 16~100mm (other stroke can be customized) Speed: 3.4~7.5mm/S (according to the stroke)
	Through configuration part of the rotary gear box, can constitute a large part of the rotary actuator torque, suitable for butterfly valve, ball valve, plug valves, etc. Torque: 0.2 ~ 1000 KNm speed: 0.2 ~ 43 r/min
	By configuring multi-turn gearbox, can constitute a large output torque rotary actuator, is applicable to gate valves, globe valves, etc. Torque: 0.1 ~ 100 KNm Speed: 2 ~ 600 s
	By configuring the turn arm type gear box, can turn a arm type actuator, applicable to the throttle, damper valve, butterfly valve, etc. Torque: 0.2 ~ 1000 KNm Speed: 0.2 ~ 43 r/min



High torque automation electric multi turn valve actuator

Details

1. Manual operation for high torque automation electric multi turn valve actuator

- In the commissioning or in an emergency the actuator can be operated by handwheel.
- By operating the red button to disconnected the actuator and motor and start manual operation. Because the self-locking worm gear between the motor and the operating shaft are separated, it's very easy to turn to manual operation even if the actuator is running at maximum torque.
- After starting the motor, automatically breaks away from manual operation, when the motor is operating the hand wheel does not work.

2. Valve mounting standard

Installation flange of high torque automation electric multi turn valve actuator is according to EN ISO5210 or DIN3210 standard. Various types of output drive types to choose, suitable for different types of valves.

3. Motor protection.

In order to protect the motor against overheating, there are two series of thermal switch installed in the three-phase motor or single-phase motor winding inside. They are involved in the control circuit to prevent damage to the motor because of winding overheating.

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