



Automation Electric Multi Turn Valve

Actuator With Remote Position

Controller



Automation electric multi turn valve actuator with remote position controller is widely applied in petroleum, chemical, water treatment, shipping, paper making, power plants, heating, building automation and

other industries. AOX's innovative product design concepts and products in practical applications have received much attention and recognition. AOX has its own factory. Automation electric multi turn valve actuator with remote position controller are reliable, safe and convenient, with the advantages of compatibility and practicability.

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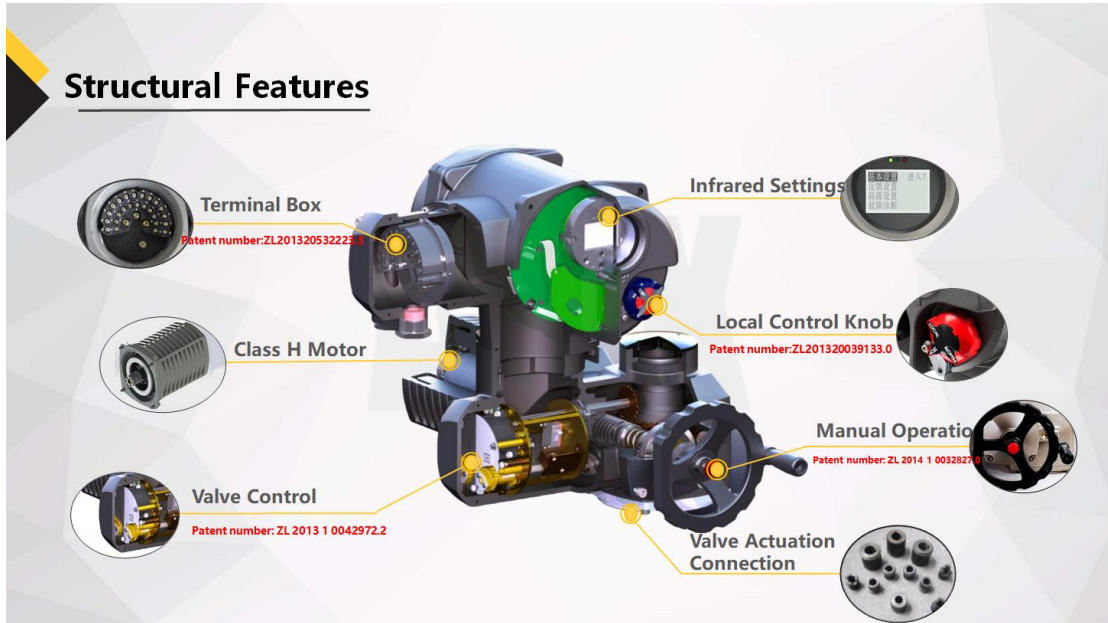
Automation electric multi turn valve actuator with remote position controller Introduction

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Automation electric multi turn valve actuator with remote position controller is specially designed for all multi turn valve applications (linear motion valves) such as globe valve, gate valve, and etc. AOX is a **supplier** to many large enterprises. There are different "AOX-M" gear boxes can be configured which greatly expanded the torque range or turn the automation electric multi turn valve actuator with remote position controller into quarter-turn actuator, linear actuator to meet the different requirements.





Automation electric multi turn valve actuator with remote position controller Parameter (Specification)

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

Automation electric multi turn valve actuator with remote position controller Feature And Application

Torque Range: 40 - 1000 Nm Direct Output

Explosion-proof level: Exd IIC T5 design

Motor specification: Class F, with thermal protector up to 135°C

Electrical interface: 2* NPT 3/4 , 1* NPT1 1/2

Ingress Protection: IP67 , Optional:IP68

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

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

Motor overheat protection

Limit and torque sensing

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Absolute encoder precision detection valve position
Manual / automatic clutch switching

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



Automation electric multi turn valve actuator with remote position controller Details

1. Precise valve position measurement

Automation electric multi turn valve actuator with remote position controller using magnetic induction absolute encoder, eliminating the traditional potentiometer, improved location accuracy and does not require battery can be accurately recorded valve position when the actuator power outage.

2. Valve mounting standard

Installation flange of automation electric multi turn valve actuator with remote position controller 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.

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