

TAIZHOU TONHE FLOW CONTROL EQUIPMENT CO., LTD

TONHE

A100-T Series

Electric Stainless steel304 Shut off Valve



Application

- Water meter , water leak detection system and water treatment etc equipment
- HAV and fire works. Automatic drain system
- Irrigation ect small control equipment

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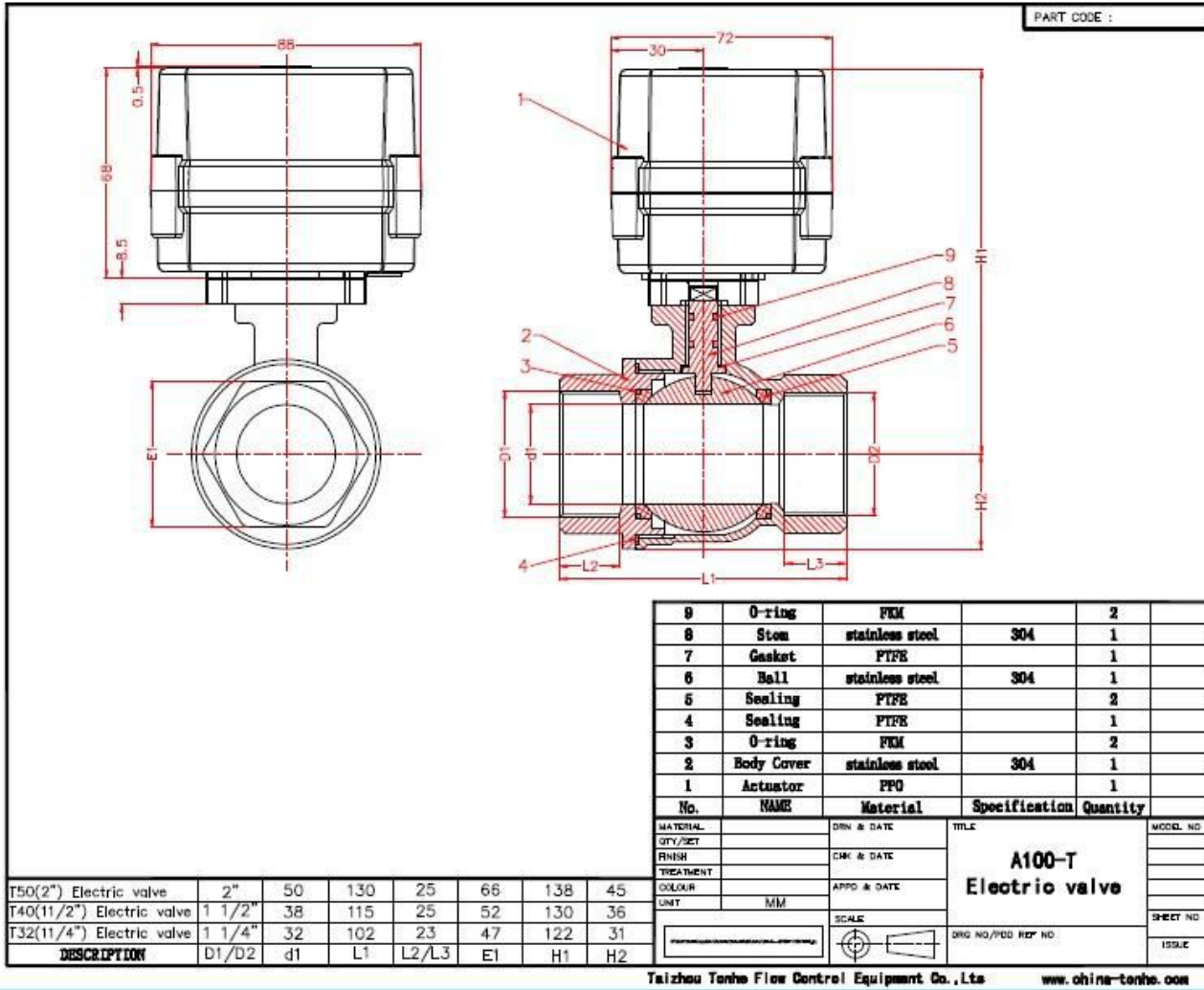
Skype:meizi2661

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Technical Parameters:

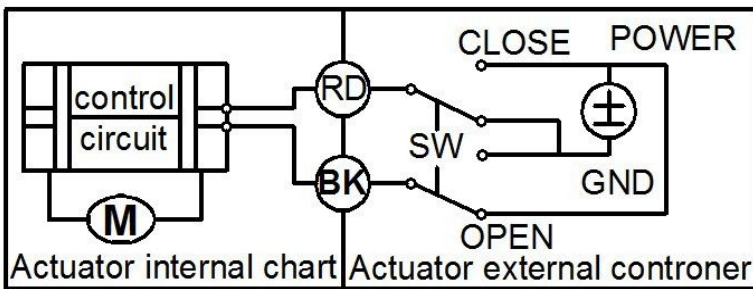
Product size	□NPT/BSP 1-1/4"□NPT/BSP 1-1/2' □NPT/BSP2" (Optional)
Maximum working pressure	1.0MPa
Circulation medium	Fluid, air
Rated voltage	DC12V/AC/DC24/AC110-230V (Optional)
Wiring control methods	CR201/CR202/CR303/CR401/CR501/CR502/CR7-04 (Optional)
Static current	≤1A
Open/close time	≤13S
Life time	70000 times
Valve Body material	304 Stainless steel
Actuator material	Engineering Plastics
Sealing material	EPDM & PTFE
Actuator rotation	90°
Max. torque force	10N.m
Cable Length	0.5m,1.5m, (Optional)
Environment temperature	-15℃~50℃
Liquid temperature	2℃~90℃
Manual override	No
Indicator	Yes
Protection class	IP67

Assemble Diagram :



Wiring diagram

CR2 01 Wiring Diagram (2 wires control)



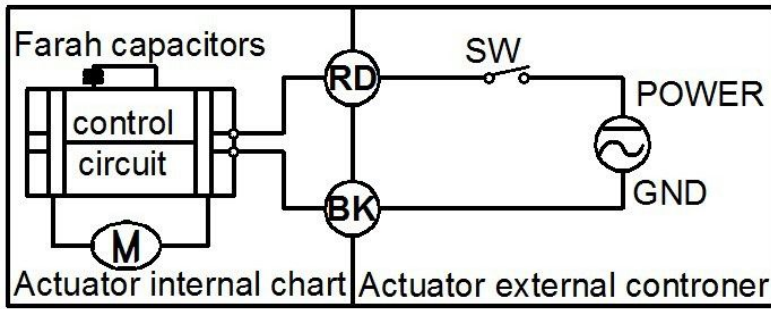
·RD connect with positive, the BK connect with negative, the valve closed, the actuator automatically power off after in place , the valve remains fully closed position .

·BK connect with positive, the RD connect with negative, the valve open, the actuator automatically power off after in place, the valve remains fully open position .

* Suitable Working Voltage: DC12V/DC24V

* Exceeding the working voltage is forbidden

CR2 02 Wiring Diagram (2 wires control – Spring return in case of the power is failure)



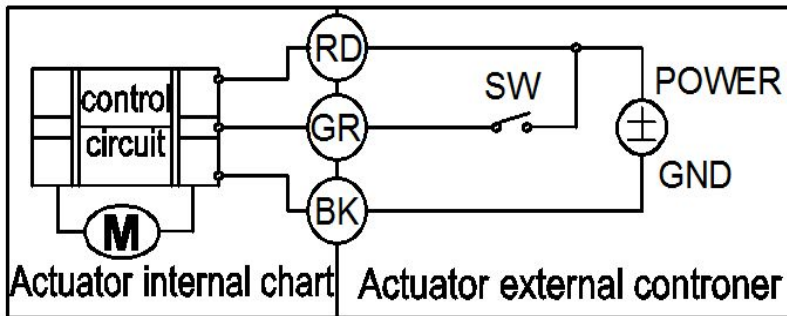
·When SW is closed , the valve open. the actuator automatically power off after in place

·When SW is open, the valve closed, the actuator automatically power off after in place

* Suitable Working Voltage: **AC/DC110V-230V,AC/DC12-24V**

* Exceeding the working voltage is forbidden

CR3 03 Wiring Diagram (3 wires control)



• RD connect with positive, GR connect with SW & positive

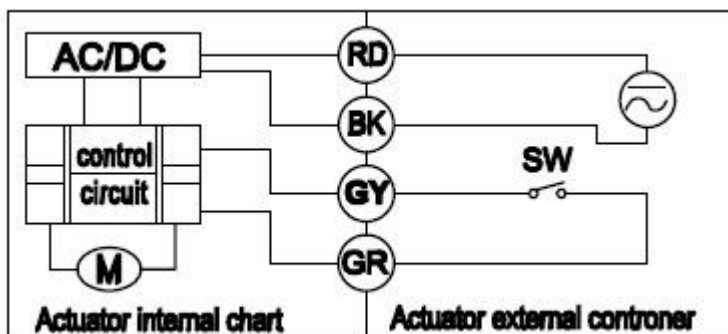
• BK connect with negative

• When the SW of GR closed, the valve OPEN, the actuator automatically power off after in place , remains fully closed position

• When the SW of GR open, the valve CLOSED, the actuator automatically power off after in place , remains fully open position.

* Suitable Working Voltage: AC/DC12V/AC/DC24V

CR4 01 Wiring Diagram (4 wires control)



1. RD & BK are connected to the power, GY& GR are connected to the controlled wiring.

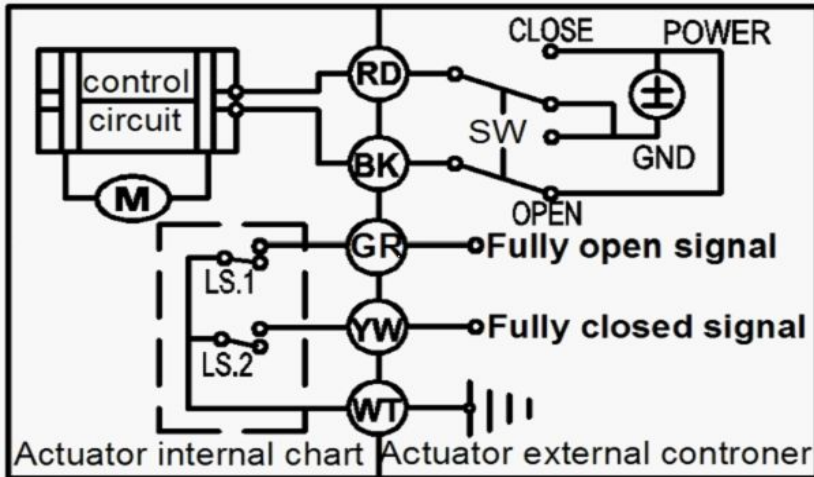
2. When the SW is closed , the valve open

3. When the SW is open , the valve closed

Suitable Working Voltage:**AC110V-230V** .Exceeding the working voltage is forbidden

The control wiring with power DC24V , when multiple motorized valves are working in paralld , must put the same color control wiring together, otherwise the valve could working normally .

CR5 01 Wiring diagram (with feedback signal)

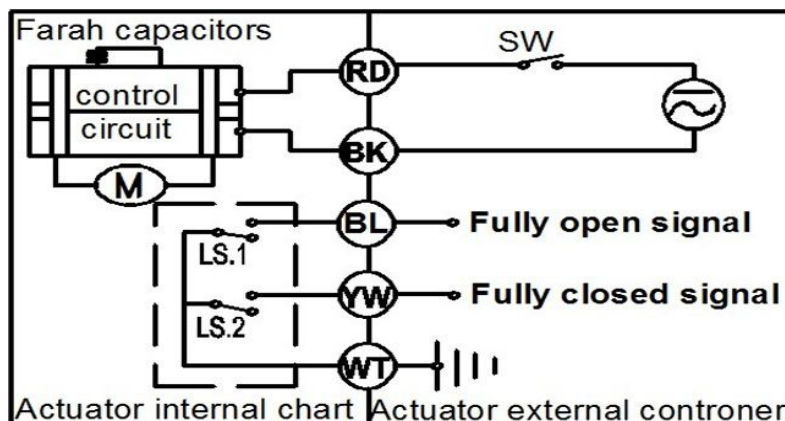


1. RD connect with positive, the BK connect with negative, the valve closed, the actuator automatically power off after in place .
- 2 BK connect with positive, the RD connect with negative, the valve open, the actuator automatically power off after in place .
4. GR & WT are connect when the valve open fully, YW & WT are connect when the valve closed fully

Suitable Working Voltage: DC12V/DC24V

Exceeding the working voltage is forbidden

CR5 02 Wiring diagram (with feedback signal)



·When SW is closed , the valve open. the actuator automatically power off after in place

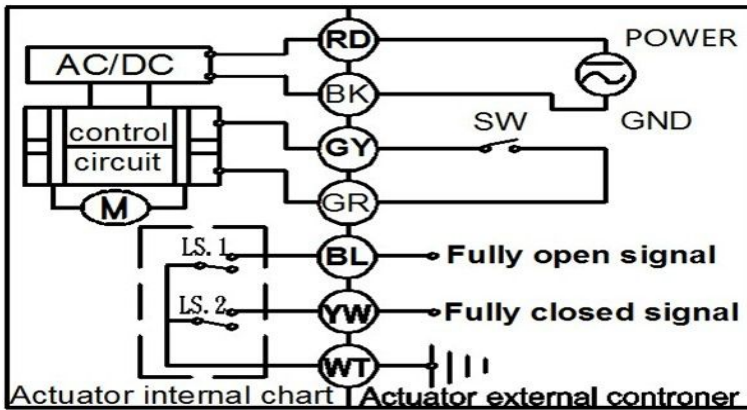
·When SW is open, the valve closed, the actuator automatically power off after in place

* BL & WT are connect when the valve open fully, YW & WT are connect when the valve closed fully

* Suitable Working Voltage: **AC/DC110V-230V,AC/DC12-24V**

* Exceeding the working voltage is forbidden

CR7 04 Wiring Diagram (7 wires control with feedback signal)



·RD & BK are connected to the power, GR & GY are connected to the controlled wiring.

·When the SW is closed , the valve open

·When the SW is open , the valve closed

·BL & GY connect with the valve's fully open signal wiring

·YW & WT connect with the valve's fully closed signal wiring.

Suitable Working Voltage: **AC110V-230V**

Exceeding the working voltage is forbidden