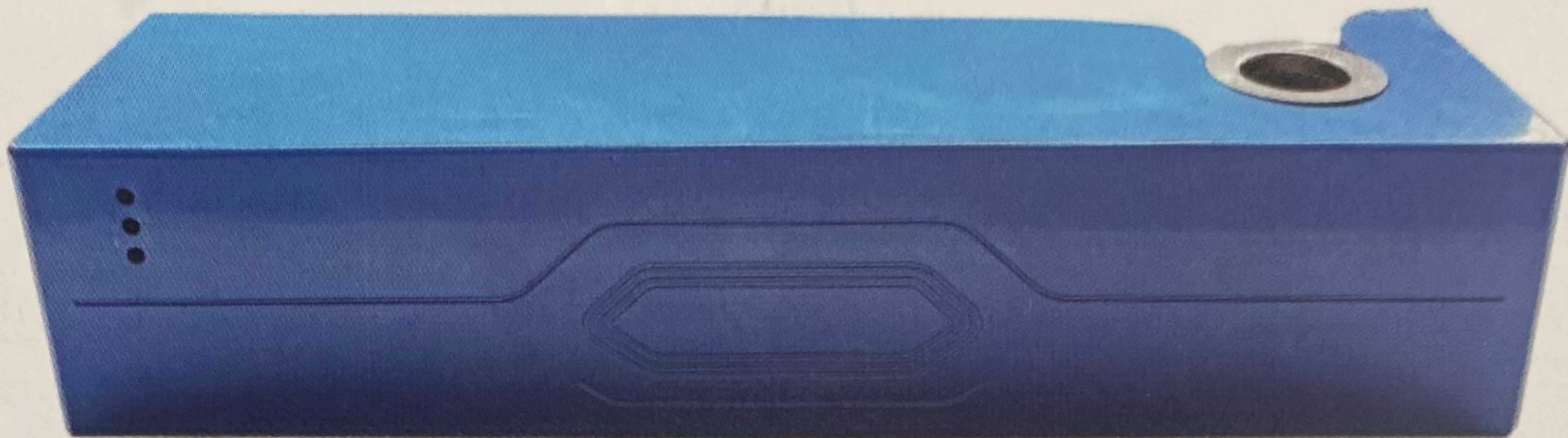


CY-CPA-1 Condensate Water Spray Pump Manual



Thank you for purchasing our Condensate Spray Pump. We are committed to providing you with high-quality products.

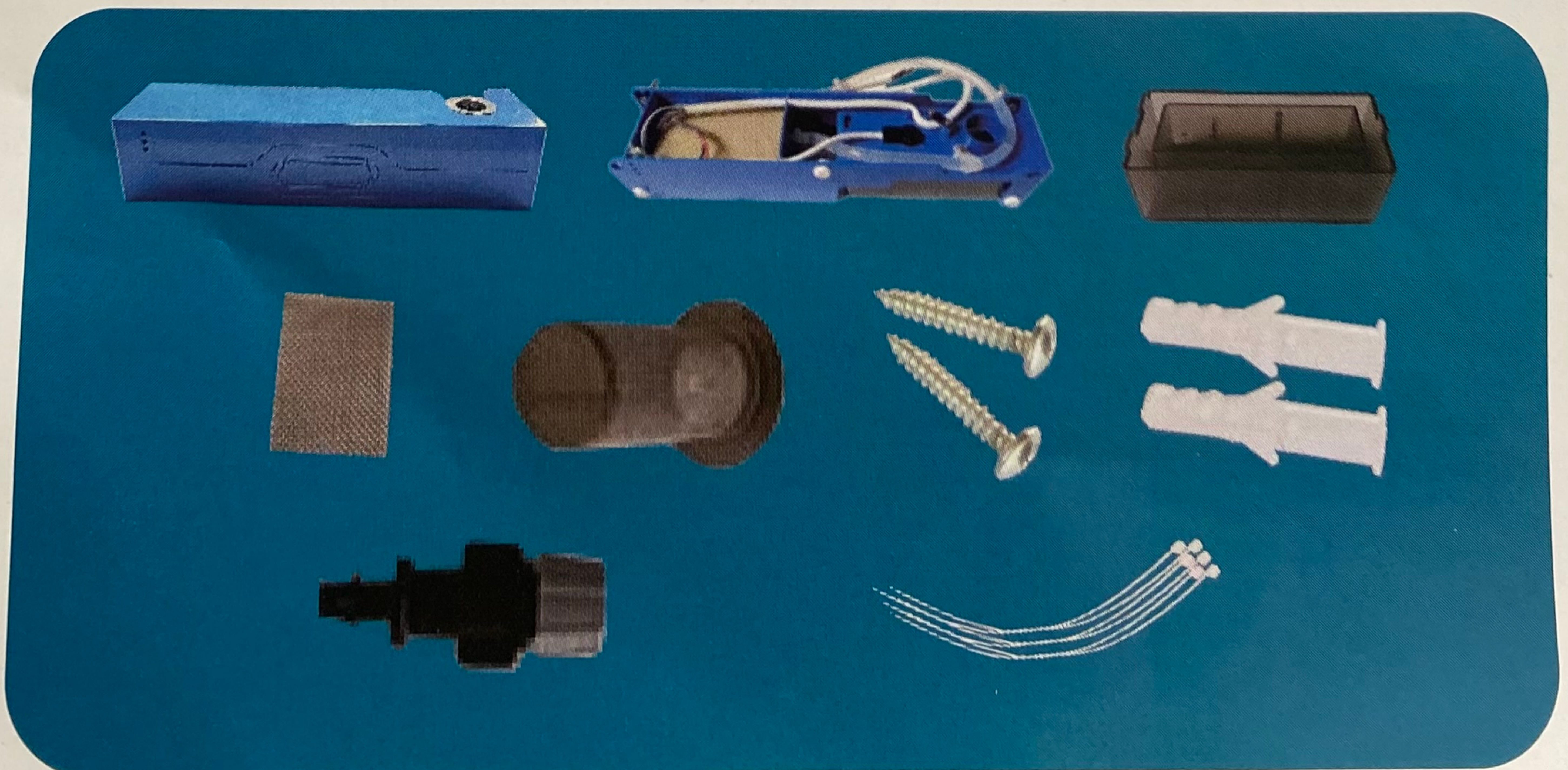
Please check whether the product you ordered is in good condition upon delivery and whether the accessories are correct. If there is any damage during transportation, please contact us or your local dealer promptly.

Please note that if there are any changes to the product, we will not provide further notice separately.

1. User Guide

- 1.The product should be installed horizontally to avoid tilting.
- 2.Non-professionals should not install the product to prevent hazards.
- 3.Do not allow the water inflow to exceed the pump' s maximum outflow capacity, as this may cause overflow or malfunction.

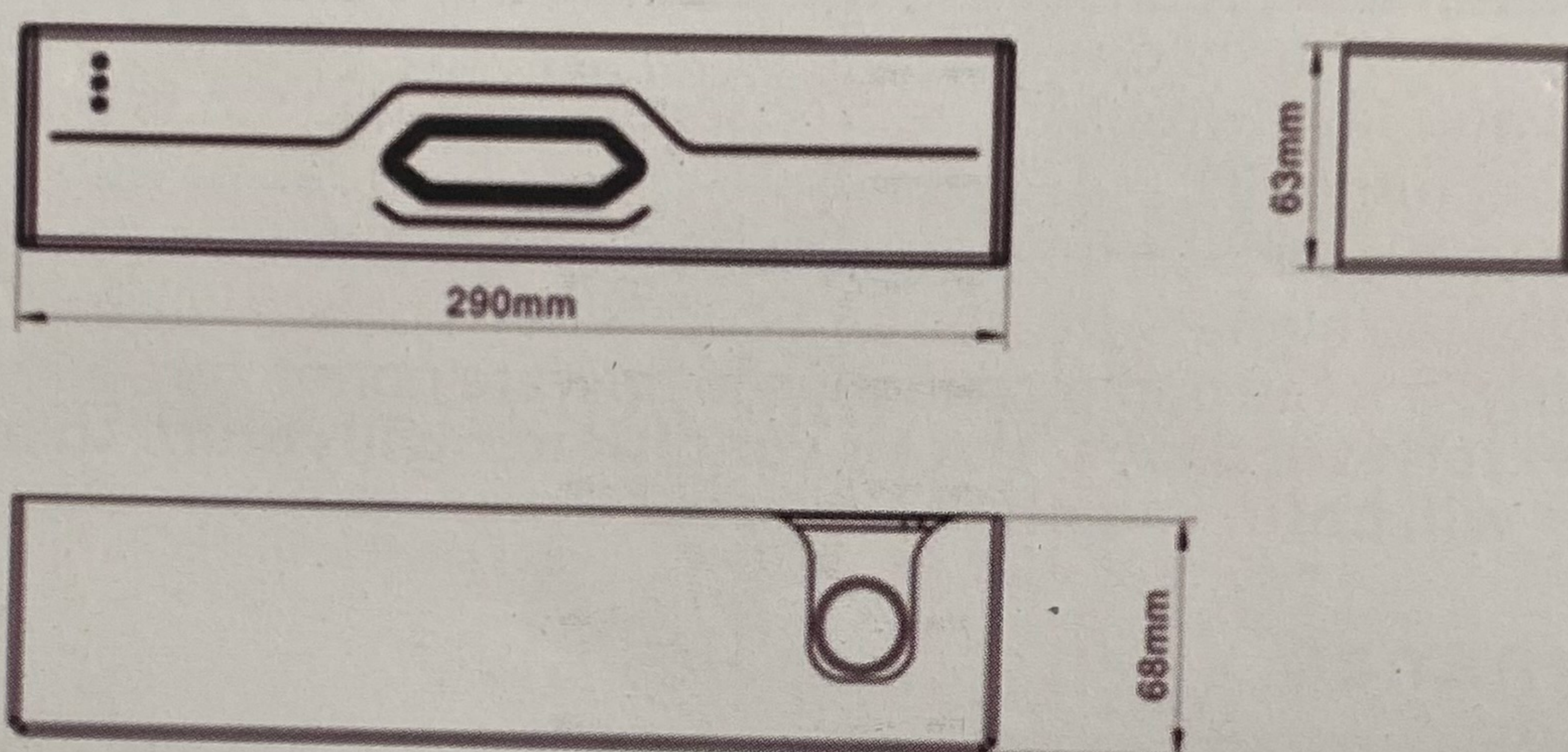
2.Product and Accessories Diagram



No.	Item	Qty.
1	Shell	1
2	Base mounting	1
3	Water tank	1
4	Filter screen	1
5	Filter cylinder	1

No.	Item	Qty.
6	M4*30mm Self-tapping screw	2
7	M6*40mm Plastic expansion tubes	2
8	Nozzle	1
9	Nylon wrapping tape 4*200mm	4

3.Product's drawings



4.Product's installation pictures

1	Model	CY-CPA-1
2	Voltage	100-240V
3	Frequency	50/60HZ
4	Safety current	3A
5	Max cooling capacity suitable for AC	30000btu/hr
6	Max spray volume (Nozzle caliber 0.6mm)	10L/H
7	Working pressure	4bar
8	Noise (1m)	23db(A)
9	Water storage capacity	120ml
10	Max ambient Temp.	60°C

- ★ Equipped with an overflow alert function.
- ★ Automatically cleans the water tank once after 24 hours of continuous operation.

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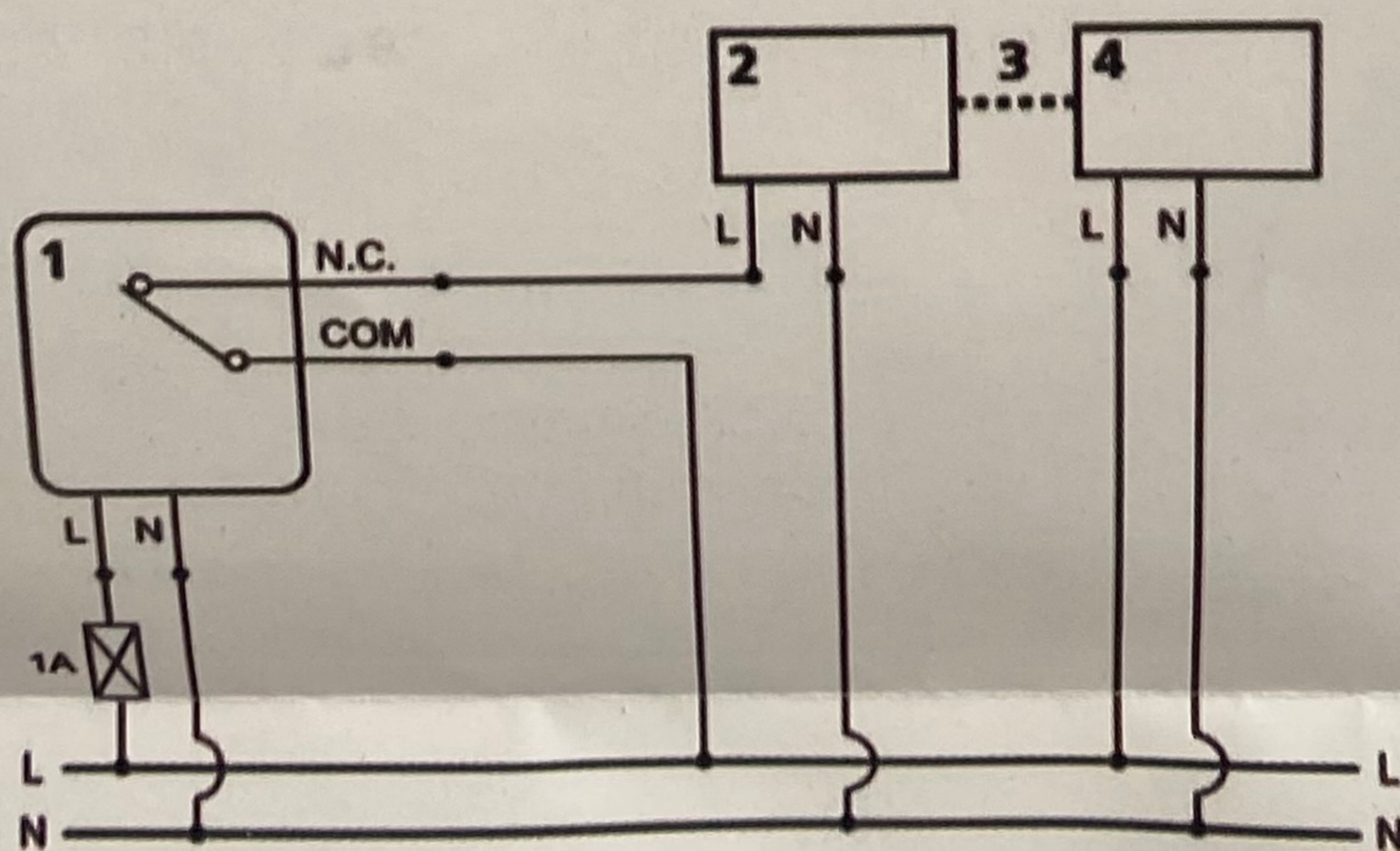
5. Installation Steps

1. Select the installation position of the spray pump, then fix two $\text{Ø}6 \times 40$ plastic expansion tubes horizontally on the wall according to the center distance of the spray pump installation hole (264mm);
2. Remove the shell of the spray pump, as shown in the figure, insert two M4*30 self-tapping screws into the base mounting hole and tighten them into the plastic expansion tubes on the wall;
3. Install the shell into the base mounting assembly, put the filter cylinder into the water inlet, then insert the air conditioning condensate drainage pipe into the filter cylinder, and wait for use;



4. Aim the nozzle at the evaporator of the set air or outdoor unit, fix it with wrapping tape, and wait for use;
5. Connecting the power cord: First, turn off the power supply, then connect the live/neutral wire of the spray pump's power cord to the corresponding wires on the power supply. To prevent leakage caused by pump malfunction and potential property damage, it is recommended to connect the alarm signal wire as shown in the diagram:

Warning: Please note the difference between the power cord and the signal wire. Incorrect wiring may damage the drainage pump. Ensure the voltage matches the product label and the connections are correct.



1-Drain Pump Relay 2-Indoor Air Conditioner Unit
3-Air Conditioner Indoor-Outdoor Connection Wire 4-Outdoor Air Conditioner Unit
Power Cord: (L) Live Wire - Brown (N) Neutral Wire - Blue
Signal Wire: (N.C) (N.Normally Closed Wire - Black (COM) Common Wire - Black

Attention:

Proper use and maintenance can extend the product's working life. It is recommended to inspect and clean the air conditioner drainage pump seasonally or more frequently!

6.Product Working Principle

- 1.When the product is powered on, the green light remains on.
 - 2.When the water level reaches the working level, the pump starts operating, and the orange light turns on.
 - 3.When the water level drops to the stop level, the pump stops working, and the orange light turns off.
 - 4.If the water level reaches the alarm level, the red light turns on. If the system is connected to the signal wire, the air conditioner's power will be cut off simultaneously, but the pump continues to operate normally.
- When the waterlevel drops, the air conditioner will return to power and the red light will beturned off at the same time.**

7.Maintenance

- 1.Regularly clean the external filter to prevent dirt from clogging the pipes and nozzles, which could affect operation.
- 2.It is recommended to clean the internal water tank and float of the spray pump during seasonal changes to prevent mold growth and ensure the pump's normal operation in the long term.

8.Trouble removal

Issue	Cause	Solution
Pump keeps running	1.Not installed horizontally	Adjust the pump and tank to a level position
	2.Sludge in the tank	Clean the inside of the tank and the float surface
Pump does not start	1.Not installed horizontally	Adjust the pump and tank to a level position
	2.Insufficient power supply	Check the power supply(green light off); Check whether the wiring is loose(green light on or off)
	3.Incorrect voltage	Check the voltage
Weak atomization effect	Nozzle is clogged	Clean the water tank or nozzle