


User Manual

Please read this manual carefully before using and keep it safe.

Dear user: Thank you for choosing our water chiller. We would like to express our heartfelt thanks to you! Before using, please read carefully and understand the usage and cautions. If you still have problems during usage, please contact the supplier or our company.



► Special instructions :

1. All contents in this manual have been carefully checked. If there is any printing error or misunderstanding on the content, the company reserves the right of interpretation.
2. Products are subject to update without prior notice.

► Product features :

- a. Environment-friendly refrigeration compressor, fast refrigeration, high efficiency;
- b. Adopt high quality threaded titanium tube for heat exchange with high heat conversion efficiency;
- c. Microcomputer intelligent temperature control, no noise, environmental protection and no pollution.

► Precautions for safe use :

This note is about the prevention of harm to you and others, damage and other important safety content, please be sure to comply with.

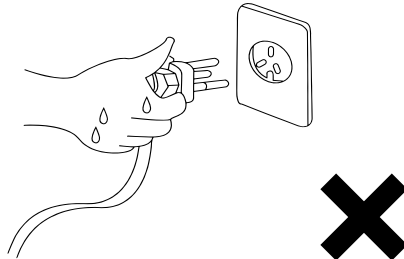
If the labels are ignored or the product is wrongly used, which may lead to injuries and damage of materials and articles, please be sure to comply.

The following is the meaning of the identifier in this article:

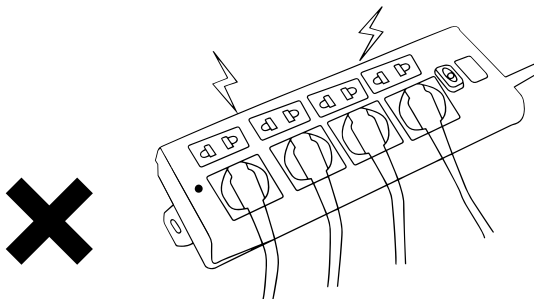
- ⊘ Absolutely no manipulation of content
- ⚠ You must loop through the operation items
- ⌚ Pay attention to action items on a daily basis

⊘ Dangerous

- Please unplug the power when lightning strikes.
- Do not use wet hands to plug or unplug the power plug, otherwise it will cause electric shock or injury.



- Please use the special power socket alone, do not share the same socket with other high-power electrical appliances at the same time, so as not to cause fire caused by excessive current.



d. When not in use for a long time, please unplug the power plug to prevent short circuit, spontaneous combustion caused by device aging, etc.

e. The socket should be placed higher than the ice bath tub, and pay attention to avoid the water flowing down the power line to the socket, the plug and socket are not allowed to be soaked in water during use.

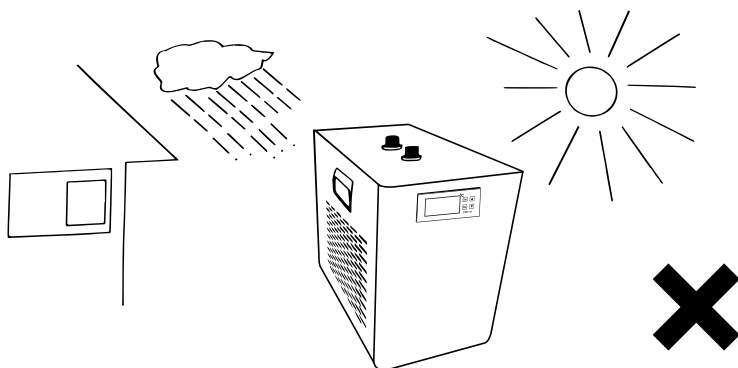
f. When the plug is inserted into the socket, it must be inserted to the bottom and kept firmly. Otherwise, it may cause overheating and burning of the components due to poor contact, which may lead to the danger of short circuit or fire.

g. Do not allow children to operate alone to avoid electric shock or injury.

Warning

a. Please use the family power supply 220V(or 110V), please do not use other power supply (please note different countries and regions use different power supply voltage).

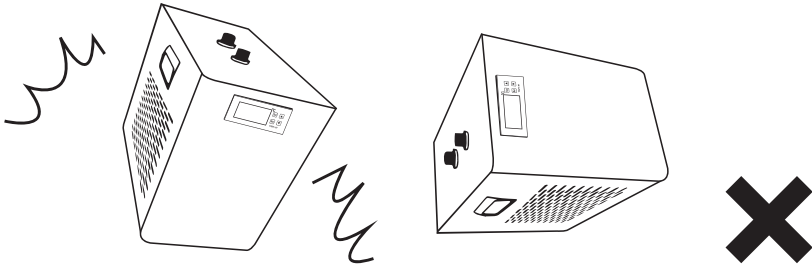
b. It is forbidden to place it in the position of unstable, high temperature, direct sunlight, lampblack, no ventilation and large moisture.



- c. Do not block air vents and do not put foreign bodies near them.
- d. It is forbidden to insert metal scraps, wire, needles and other foreign matter in the product or in the gap.
- e. Do not disassemble the machine by yourself.

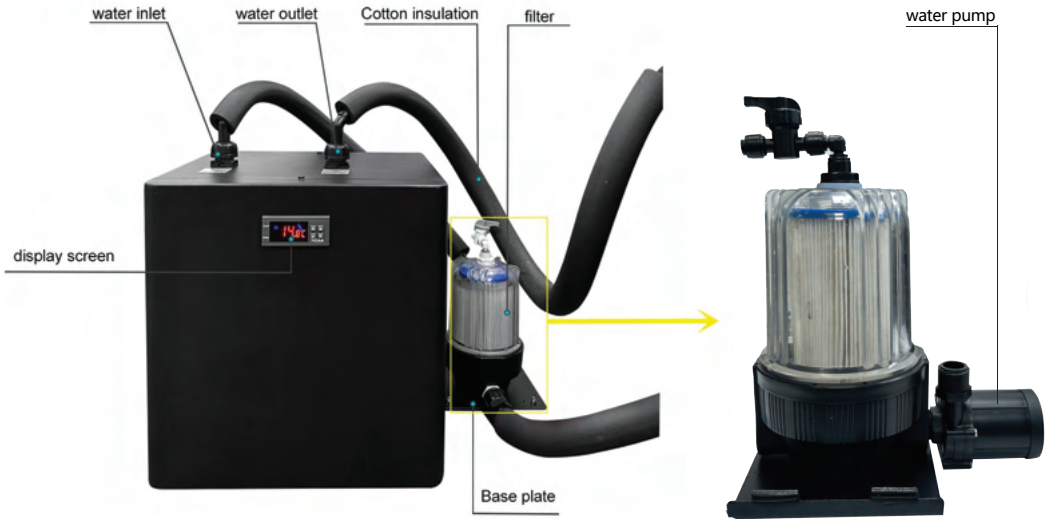
⚠ Pay attention to

- a. The chiller needs to be stationary for 24 hours before using.
Do not turn this product upside down or upside down when using.



- b. When unplugging the plug, you must hold the plug handle and do not pull the power cord, otherwise it is easy to damage the power cord.
- c. When handling, please unplug the power cord and hold the bottom of the product with both hands. Don't fall down.
- d. Please do not place in the TV, speakers and other electrical products, may cause interference to the water cooler.
- e. Do not put in the high temperature environment (room temperature above 36 degrees, sealed place, etc.), may cause slow refrigeration or failure.

▶ Name of various parts:



▶ Name of accessories :



▶▶ Setup Instructions:

Before installation, please note that the threaded joints need to be wrapped with Teflon tape.

Step 1: Install the fixing nut, water hose joint and flat gasket sealing ring on the hose joint, as shown in the installation drawing.



Step 2: Put blue sealing rings at both ends of the filter bottle, and put the clear sealing ring at the inlet of water pump, then connect water pump and filter system.



Step 3: Hang the filter system outside the chiller or put on the ground.



Step 4: One end of the hose(90cm) is connected to the water pump, and the other end is connected to the water inlet of the chiller.



Step 5: One end of the hose (45cm) is connected to the filter bottle, and the other end is connected to the water outlet of the ice bath tub.



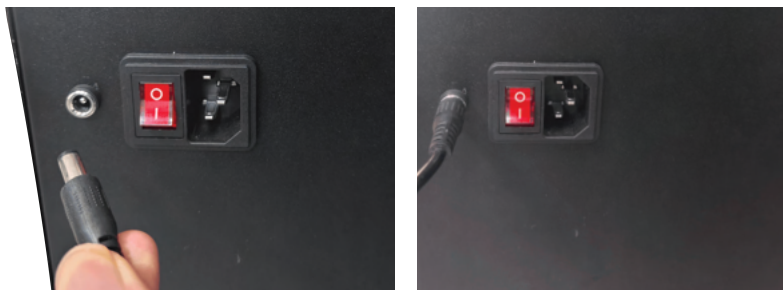
Step 6: One end of the hose (135cm) is connected to the water outlet of the chiller, and the other end is connected to the water inlet of the bucket.



Step 7: Opening the valve on the filter to release air, and close the valve when water flows from the valve.



Step 8: Plug the water pump's power cord into the power socket at the back of the chiller.

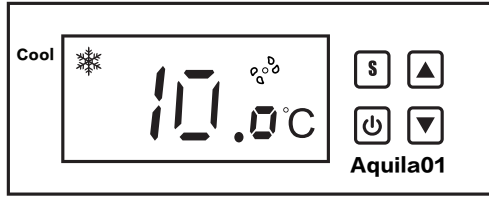


Step 9: Connect the power cable and turn on the switch.



Step 10: The filter element can be used repeatedly and needs to be cleaned regularly.

▶ Operation panel:



Method of use:

1. Connect the power supply of the circulation equipment, and the water begins to circulate, to see if there is any leakage.
2. Connect the power cord of the chiller. After plugging in the power plug, press the power switch to switch on the power, and the screen will show the water temperature in the chiller.
3. The compressor starts running approximately 3 minutes after booting up. During operation, a snowflake symbol appears in the upper left corner, while a fan symbol appears in the upper right corner.

Temperature setting method:

Press S key for 1 second" ▲" heating key or "▼" cooling key, adjust to the target temperature.

Parameter adjustment method:

P0: Cooling or heating, please choose cooling.

P1: Temperature difference.

When the chiller come to the temp you set, after how many degree it will start again to cool, we suggest 3.

For example, if you set p1 is 3, The target temp is 10, when the chiller cool to 10 Degree it will stop working and when the water goes up to 13 it will work again.

P2: Warning of high temperature

If the temperature in the chiller is higher than this, the chiller will not work.

P3: Warning of low temperature

if water temperature lower than this it will not work.

P4: Just set to 0

P5: Delay protection set 3

It means after you start the chiller, it will work after 3 mins, it can protect the chiller from big Amperage damage. And if you set 5, then after 5 mins it will work after you turn on the chiller.

P6: C or F (Celsius or Fahrenheit)

You can choose C or F according to your habit.

► Product Specification Sheet:

Mode	AQ-1/3HP		AQ-1/2HP		AQ-STD 1HP	
The rated voltage	AC220V	AC110V	AC220V	AC110V	AC220V	AC110V
Rated frequency	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Power	1/3HP	1/3HP	1/2HP	1/2HP	1HP	1HP
Circulating pump flow suitable range	600-1500L/h Max pump head below 5m					
Set range of water temperature	3~26°C (ambient temperature 32°C)					
The cooling water	≤200L		≤300L		≤500L	
Refrigerant	R134a		R134a		R410a	
Product size and weight	L35*W30*H30cm / 20kgs		L35*W30*H35cm / 22.5kgs		L42.5*W31*H40cm / 25.6kgs	

► Cleaning and Maintenance :

- Before cleaning and maintenance, make sure you have unplugged the power plug.
- Please use a clean and absorbent soft cloth to wipe the top cover, body and other parts to keep the appearance clean. (Note: Please do not wipe the operation panel, plug and power cord with a wet soft cloth).
- Do not use corrosive potions and hard items to clean the product. (detergent, gasoline, banana water, hard brush, etc).
- No water is allowed inside the chiller. Please do not soak the chiller in water for cleaning.

► Fault and treatment method:

When the following symptoms occur, please try the following treatment before sending for repair.

The fault	Possible reasons for	The disposal measures
Not working at all	The power plug is not connected to the 220V-240V or 110V socket	Connect the power plug to the 220V-240V socket
	According to different countries and regions with different power voltage, different, please note.	Compressor stop has 3 minutes delay time
Water is not circulating	Adjust the setting temperature cycle up and down for a very short time, Device out of service The water hose contains air	Please confirm whether the circulating device is working normally
	The water hose contains air	Do not allow air to gather in water hose especially pumps, and keep all loops filled with water.
	The hose distortion	Strong distortion of water hose may cause water no flowing. Please pay attention to adjust water hose to be smooth
The water flow is poor- Please turn off the chiller firstly!	The height of the circulating device to the surface of the ice bath tub is too high	Please confirm the position and head of the circulating device. Head refers to the capability of the circulating device. Please confirm the relevant instruction.
	There is dirt in the hose and dirt clogs the hose	Please clean the water hose regularly to keep it unblocked
	The hose distortion	Please make sure that all the water hose of the circulating device are smooth
Water temperature cannot drop	Ambient temperature is too high	The ambient temperature should be kept below 35 degrees with good ventilation
	The chiller is placed in a closed cabinet	Please place the chiller on the table or flat ground to ensure good ventilation
	Ice bath tub contain more water than they can refrigerate	Reduce the amount of water or replace a more powerful chiller
	The water hose is bent, result in insufficient circulating water	Take care that the hose does not bend
The ground is wet	The dew dripped out	Wipe water droplets off ice bath tub surfaces and water hose
Abnormal sound	There is air in the hose	Do not allow air to gather in water hose, especially pumps, and keep all loops filled with water
	The chiller is placed in an inclined position	Please put the chiller on the level surface
Display an error	--- (display three horizontal bar) abnormal water temperature probe	Replace water temperature probe
	The display temperature differs too much from the actual temperature	Replace water temperature probe