ICE BATH CHILLER

USER MANUAL

SY

MITS GROUP

v-1

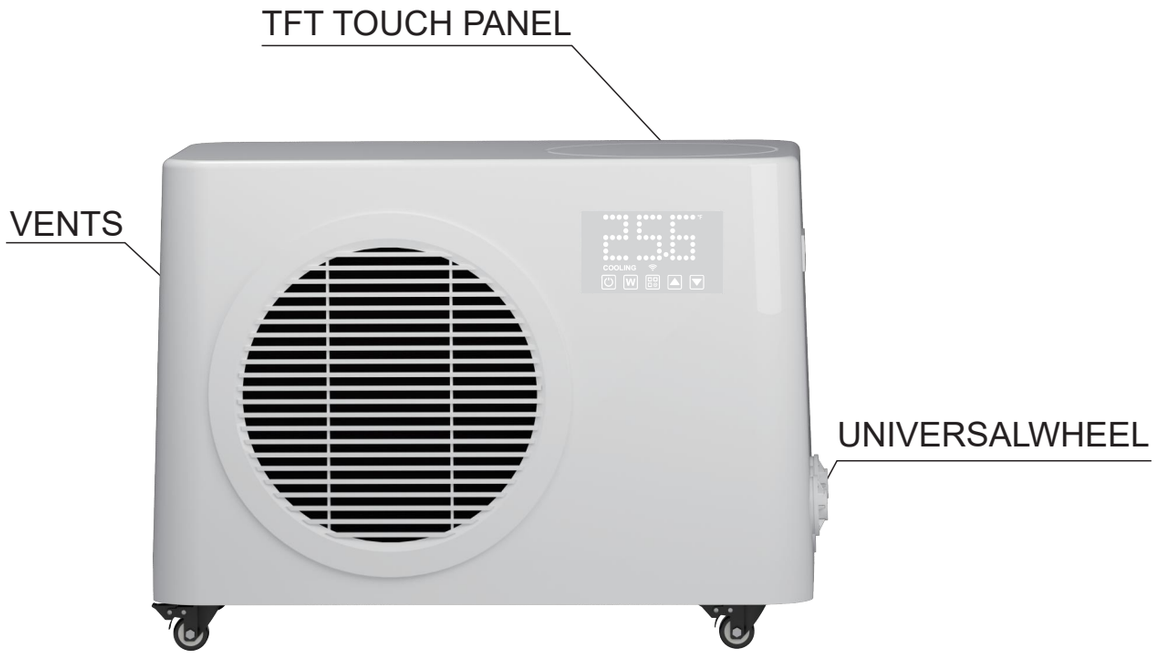
CAUTION ⚠

1. Operators must be 18 years or older.
2. Avoid using the chiller with wet hands.
3. Keep the power cord away from heavy objects and do not run it under carpets.
4. Do not insert objects into the chiller's vents or openings.
5. Exercise caution around children, the elderly, and those with mobility issues.
6. Always keep the chiller upright and on a stable, level surface; do not invert.
7. Install the chiller in well-ventilated areas(at least 100cm of clear space around vents for airflow), avoiding closets or cabinets and keeping vents clear of obstructions.
8. Do not disassemble or modify the chiller.
9. Avoid using in very humid or dusty conditions.
10. For electrical issues, contact authorized service personnel.
11. Keep pets and children away during operation.
12. Report any sign of damage, leaking, strange noises, smells, or performance issues immediately.
13. Disconnect power before maintenance or cleaning.
14. Avoid placing the chiller in direct sunlight or near heat sources.
15. Ensure the filter is installed when the chiller is working.
16. Regularly clean the water filter and dust net for optimal efficiency.
17. If the ambient temperature drops to 0°C(32°F), disconnect the pipes and open the drainer to FULLY drain all water from the chiller to prevent freezing damage.
18. Before turning on the chiller, please make sure there is enough water in the bathtub and all water pipes are connected properly. Otherwise, the idling of the water pump will generate noise and affect its service life.

⚠ **Electricity** is very dangerous. In order to prevent accidents or death, please pay attention to safety.

- During and after transportation, the chiller must stay upright on a stable surface at all times.
- After transportation and before use, the chiller must be left for 24 hours for the refrigeration gas to settle.
- Make sure the chiller is plugged into an AC socket or extension cable that is suitable for use.
- Ensure the chiller is kept dry at all times; do not immerse, splash or spray the unit with water. If the unit does get wet, unplug it immediately and do not use it.
- Never leave the chiller powered on when staying in the water; always ensure the unit is powered off during your cold water therapy session.
- If the chiller stops working or does not work when switched on, unplug it immediately and do not use it.
- We accept no responsibility for misuse or failure to use this equipment safely as instructed.

- Working Temperature: 1°C-45°C(34°F -113°F)
- Storage Temperature(No water inside the chiller): -20°C-55°C(- 4°F -131°F)
- Storage Relative Humidity: 20%-85%



（Condensation comes out from here when heating)

Accessorise

Filter & Built-in filter Wrench

Filter Elements

Water Pipes

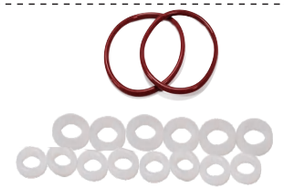
(Inner Teeth 3/4")
(Outer Teeth 1/2")

Quick conversion connectors

Valves

Screwdriver

Sealing tape



O-rings

Warning Label

User Manual

QUICK START GUIDE

1. Place the chiller on a stable surface near your bathtub and make sure the chiller is at the same level as the bathtub.

2. Install and ensure the filter lid on the top is 'hand tight'
The installation method refers to point 6 on page 10 of this manual.

3. Ensure the built-in filter is installed
The installation method refers to point 7 on page 10 of this manual.

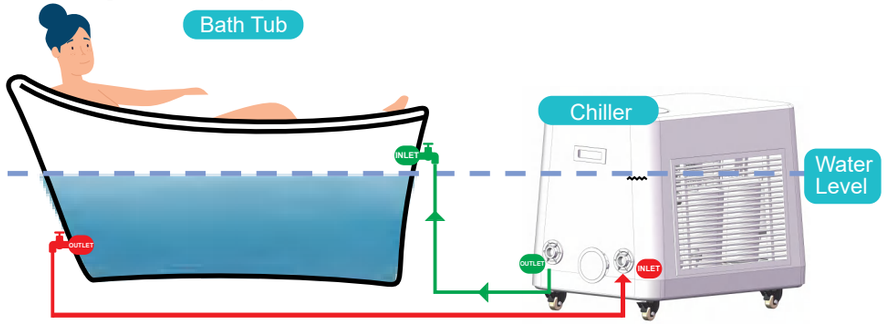
4. Install the valves on the inlet and outlet of the bathtub and ensure the valves are 'hand tight'.

5. Connect both the inlet and outlet water pipes and ensure the vavles are 'hand tight'
And then fill the bathtub with enough water. The water level in the bathtub should be higher than the chiller inlet and lower than the bathtub inlet.

connect to the chiller

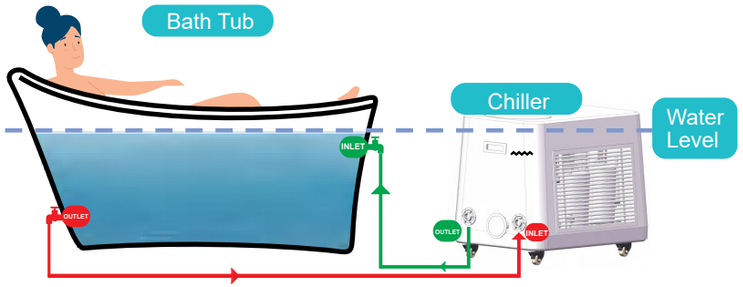
connect to the tub

Diagram of water pipes connection and bathtub water level



6. Please check the 'water fow' on the control panel. When the chiller starts working, the 'water flow' should be higher than 15L/min.

7. IMPORTANT: If both the bathtub inlet and outlet are below the water level, there might be remaining air in the chiller, which impacts the 'water flow'. Please open the drainer to let the water come out a little bit, and then the 'water flow' will be back to normal.



8. The built-in ozone sterilization system automatically starts to disinfect the water once in a while.

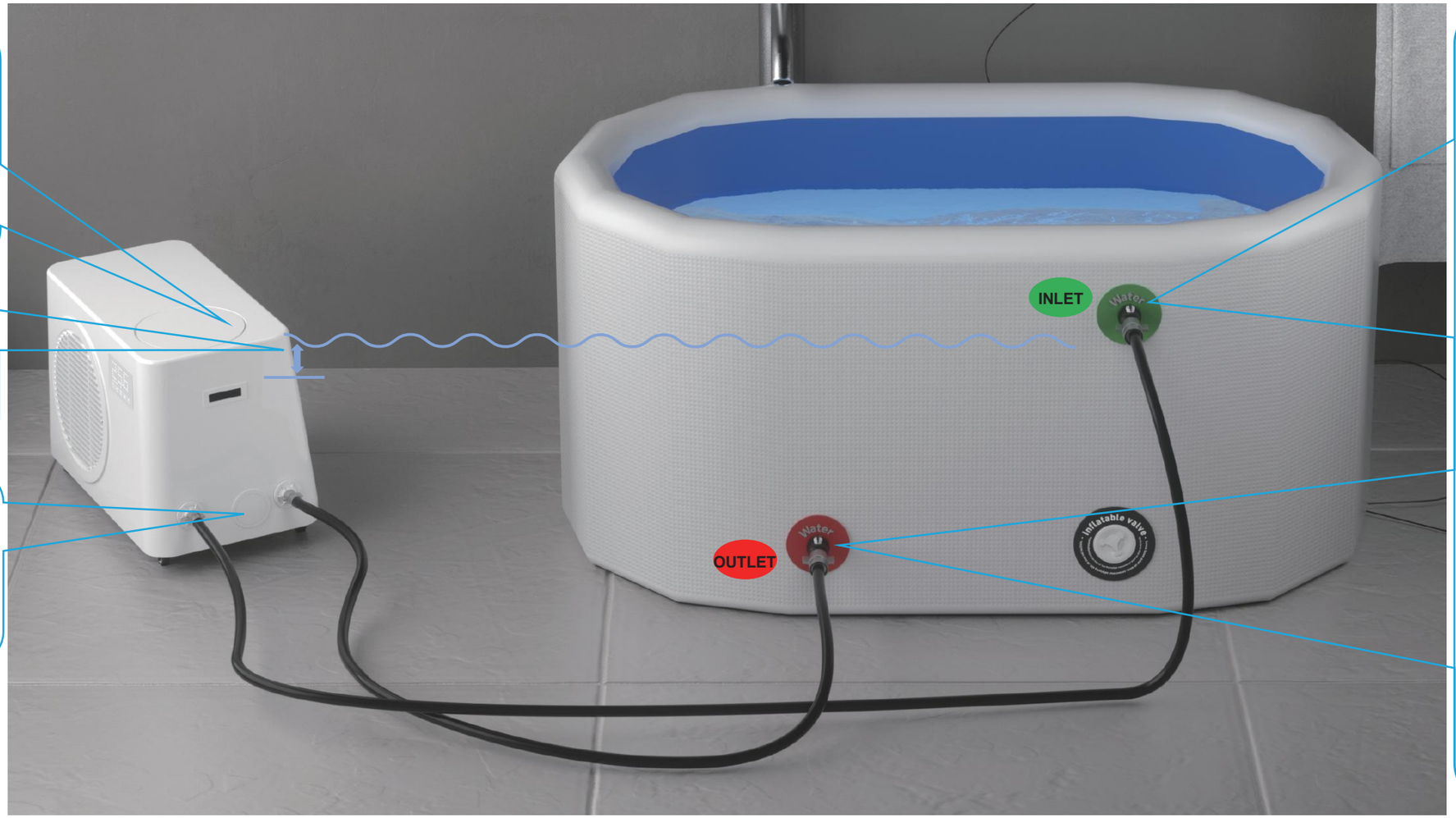
9. Once the desired temperature is reached, power off the chiller before starting your cold water therapy session.

Water pipes connection and bathtub water level diagram

Make sure a clean paper filter element is installed before starting the chiller Please power off the chiller when replacing the paper filter element.

Bathtub water level: Higher than the chiller inlet and lower than the bathtub inlet.

The built-in filter needs to be cleaned periodically Power off the chiller when cleaning.



Close the valves before cleaning the built-in filter or replacing the paper filter element. Re-open it once it's done. "+" is closed, "-" is open.

NOTES: Before turning on the chiller, please make sure there is enough water in the bathtub and all water pipes are connected properly. Otherwise, the idling of the water pump will generate noise and affect its durability.

KEY SCREEN INTRODUCTION

Status Icons

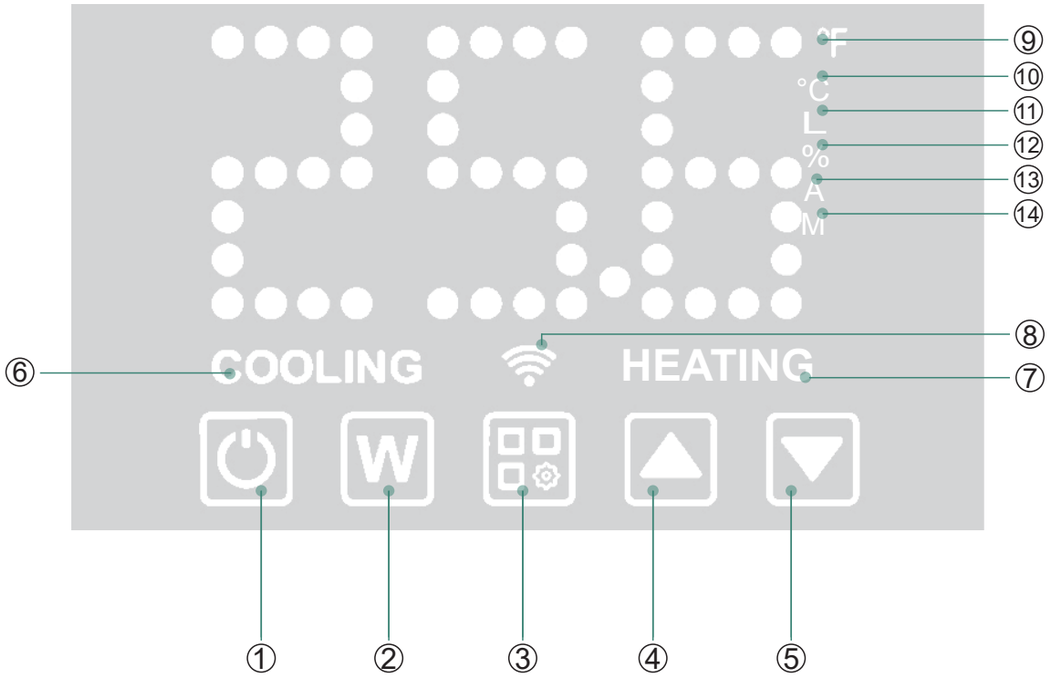
The corresponding icon will only light up when the current function is turned on

Home page settings:

1. Long press the power key for 3-5 seconds to turn on or off;
2. Press and hold the WIFI button for 5-10 seconds to reset the WIFI and reconfigure the network. The WIFI indicator will flash during configuration and stay on after successful connection. Short press to switch the temperature unit to ℃/°F.
3. Long press the setting key for 5 seconds to enter the auxiliary menu;
short press to enter the temperature setting, use the up and down keys to adjust the size, and short press again to exit the setting / exit the setting after no operation for 5 seconds;

Auxiliary menu:

1. Short press the up/down key to switch between defrost temperature → water flow → current ozone opening → compressor current (return to real-time temperature after 5 seconds of no operation).
2. Press the up and down keys at the same time for 3 seconds to restore factory settings
3. Long press the setting key for 5 seconds to enter the engineering menu.



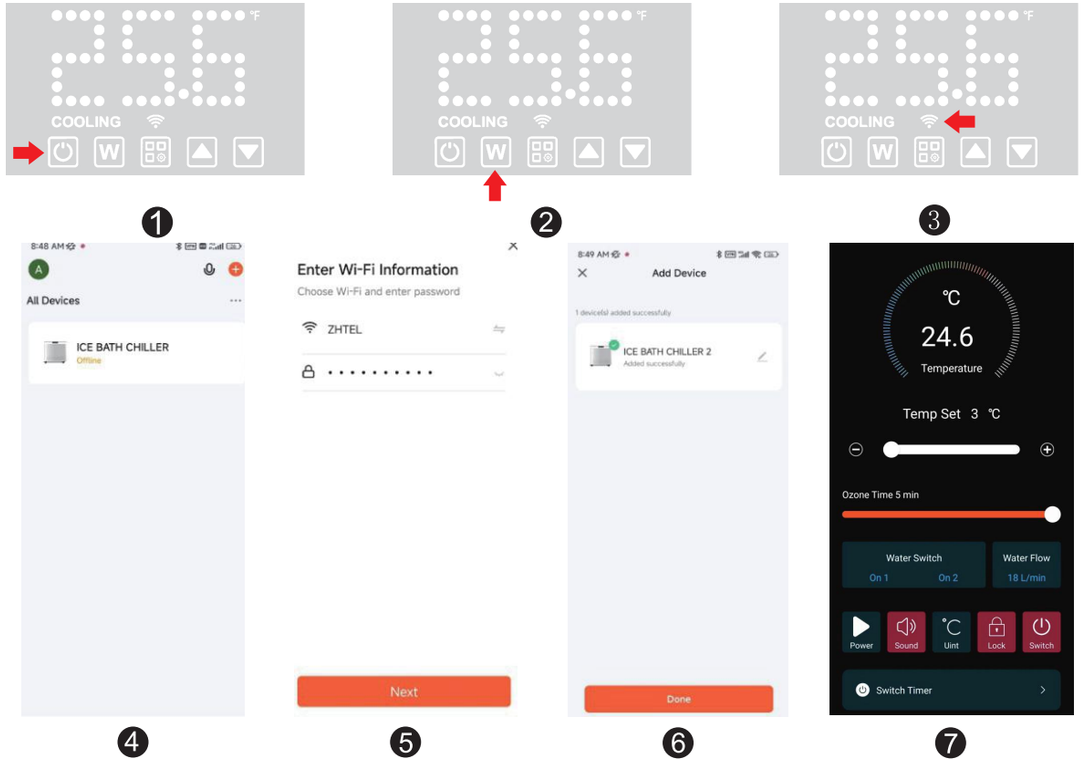
❶ Switch
❷ WIFI
❸ Setting
❹ Down key move
❺ Up key move
❻ Cooling
❼ Heating
❽ WIFI
❾ Fahrenheit
❿ Celsius
⓫ Water flow
⓬ Ozone opening
⓭ Current
⓮ Minute

WiFi CONNECTION

Tuya Smart

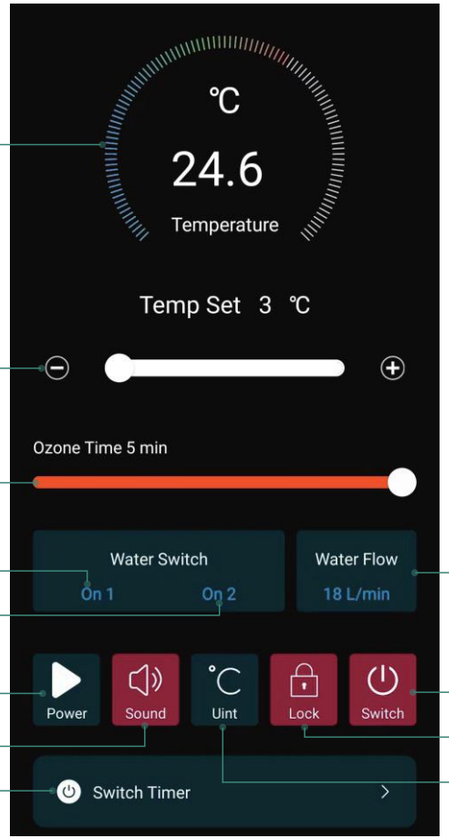
NOTE: Tuya application can only support **2.4G**. Please make sure that both the chiller and your smart phone connects to **2.4G** wireless network.

1. Turn on the chiller.
2. Click the settings key.
3. Press WiFi key for 3-5 seconds until the WiFi icon blinks.
4. Turn on the Bluetooth and open the Tuya Smart App on your phone and select the chiller.
5. Enter the WiFi name and password to connect the chiller to WiFi.
6. Once you see the green check icon, the chiller is connected to WiFi.
7. Click 'Done' to enter the APP home page.



TUYA SMART INTERFACE INTRODUCTIONS

1.Turn on/off(Turn ON/OFF the chiller)
2.Locking(Touch panel lock/unlock)
3.Temperature unit switching(°C/°F)
4.Water Flow
5.Set Time
6.Touch screen prompt sound(ON/OFF)
7.Power-on automatic operation ON/OFF
8.Water Status 2
9.Water Status 1
10.Adjust the Ozone working time interval: 0 min (close) and max to 5 min
11.Temperature adjustment(3-42°C/37-108°F)
12.Current Temperature



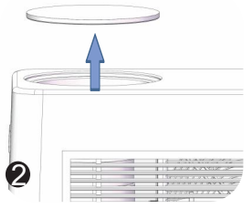
⓬Curren temperature
⓫Temperature Adjustment
⓪Ozone Time Setting
❾Water Status 1
❽Water Status 2
❼Auto Power
❻Touch screen prompt sound
❺Set Time
(setting ON/OFF time of the chiller)
❹Water Flow
❶Turn ON/OFF
❷Locking
❸Temperature Switching
(°C/°F)

MAINTENANCE &CLEANING

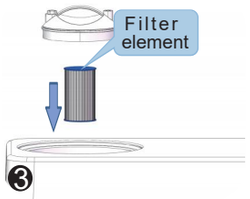
1. Never clean the chiller with strong bleach-based detergents.
2. Do not put corrosive disinfectants into the water, such as chlorine tablets.
3. Always disconnect it from the power supply before any maintenance or cleaning.
4. Never put the chiller outside in temperatures below 1°C when it has water inside.
5. In the following situations, it is necessary to open the drain outlet and empty the water inside the chiller.
   ①The machine is not used for a long time: To prevent the deterioration of the water inside.
   ②The ambient temperature is below 1°C: To prevent water from freezing and damaging the internal pipelines.

6. Replace the paper filter element when it gets dirty. When a water flow warning displays on the screen, please check the filter to ensure a normal water flow rate and optimal performance.

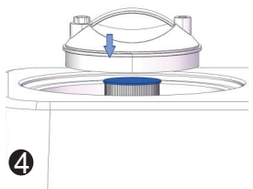
Close the valves of the inlet and outlet of the bathtub



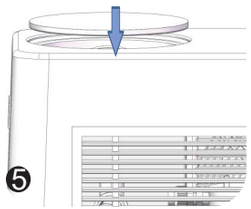
Open the lid with the wrench



Take out the old filter element



Put in a new filter element



Close the lid and tighten with the wrench

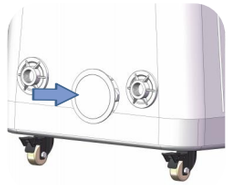
Open the valves of the inlet and outlet of the bathtub

7. Check and clean the built-in filter when the water fow rate gets lower.
We recommend cleaning it every four weeks to ensure the water pump is working perfectly.

Open the lid with the wrench small side.

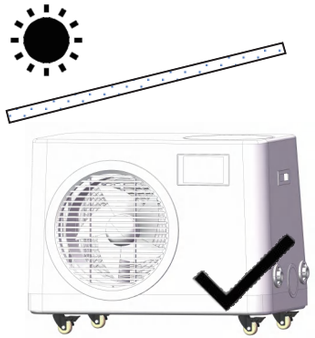
Take out the mesh filter and rinse it with water.

Put in a clean mesh flter.

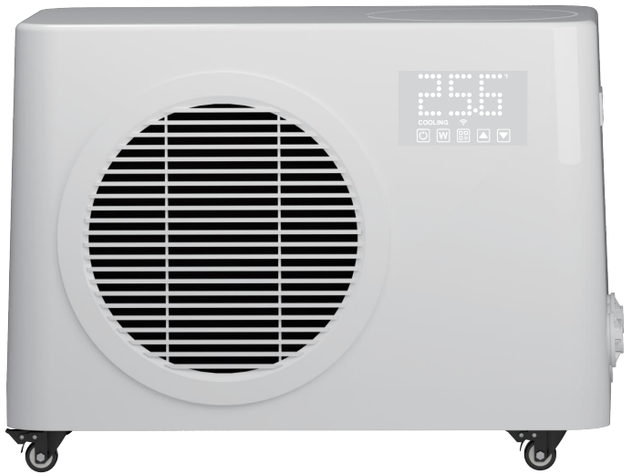


Close the lid and tighten with the wrench small side.

8. Please do NOT place the device directly under the sun or in rain or snow; place the machine under a shelter.



Ice-Bath Chiller Machine Main Technical Data Sheet						
Horse Power	**1.0 HP**			**2.0 HP**		
Model No.	**SY-10-HC / SY-10-OC**			**SY-20-HC / SY-20-OC**		**SY-20-HC / SY-20-OC**
Power Supply	100V 50/60Hz	106-127V 60Hz	220-240V 50/60Hz	100V 50/60Hz	106-127V 60Hz	220-240V 50/60Hz
Input Power	1030(110-1175)W	1150(110-1270)W	1060(110-1240)W	1385(110-1570)W	1430(110-1600)W	1950(110-2380)W
Max Input Current	12.5A	12.8A	6.5A	15.6A	13.8A	12.2A
Cooling Capacity	2350(620-3360)W	2700(740-3840)W	2450(650-3730)W	3000(770-4650)W	3600(870-4870)W	5000(670-6550)W
Heating Capacity	2850(750-3750)W (HC)	3270(800-4310)W (HC)		3780(920-5420)W (HC)	4500(980-5630)W (HC)	5800(1350-7560)W (HC)
Heating Function	Yes (HC)					
Cooling Function	Yes					
Refrigerant	R410A					
Water Temperature	3-42°C adjustable					
Ozone Disinfection	Ozone Generator					
Water filter	Installed External					
Remote control	iOS & Android APP,WIFI					
Transport wheels	Yes					
Carry handle	Yes					
Quick Connectors	Yes					
Net Weight	40KG			50KG		52KG
Product Dimension	56*38*56.5CM			56*40*57CM		56*42*57CM
Certification	**ETL、PSE、CE、SAA、IPX-4、FCC、RCM**					



Ice-Bath Chiller Machine Main Technical Data Sheet				
Horse Power	**0.6 HP**		**0.8 HP**	
Model No.	**SY-06-HC / SY-06-OC**		**SY-08-HC / SY-08-OC**	
Power Supply	106-127V 60Hz	220-240V 50/60Hz	106-127V 60Hz	220-240V 50/60Hz
Input Power	730(110-970)W	705(110-950)W	890(110-1120)W	865(110-1100)W
Max Input Current	9.8A	5.0A	11.3A	5.8A
Cooling Capacity	1600(360-2460)W	1450(250-2380)W	2230(570-2820)W	2090(450-2710)W
Heating Capacity	1900(450-2770)W (HC)		2505(600-3240)W (HC)	
Heating Function	Yes (HC)			
Cooling Function	Yes			
Refrigerant	R410A			
Water Temperature	3-42°C adjustable			
Ozone Disinfection	Ozone Generator			
Water filter	Installed External			
Remote control	iOS & Android APP,WIFI			
Transport wheels	Yes			
Carry handle	Yes			
Quick Connectors	Yes			
Net Weight	31KG		37KG	
Product Dimension	47*33*54.5CM		51*36*54.5CM	
Certification	**ETL、PSE、CE、SAA、IPX-4、FCC、RCM**			

NOTES:

① Paper filter: Before starting the chiller, please make sure a clean paper filter element has been installed, When there is a water flow failure or the water flow is less than 14L/min, please check whether the paper filter element is dirty, If so, please replace it with a new one.

② Built-in filter: Clean it once a month. When there is a water flow failure or the water flow is less than 14L/min. please check whether the built-in filter net