

ICE BATH CHILLER

USER MANUAL

SY ICE



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.
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- Working Temperature: 3°C-48°C(37.4°F-118°F)
 - Storage Temperature(No water inside the chiller):-20°C-55°C(-4°F -131°F)
 - Storage Relative Humidity:20%-85%

SY-10-HC _ICE/SY-20-HC _ICE

TFT TOUCH PANEL

VENTS

UNIVERSALWHEEL



FILTER DEVICE

HANDLE

RCD DEVICE

COOLING FAN

DRAINER

WATER INLET

WATER OUTLET

CONDENSATION DRAIN



(Condensation comes out from here when heating)

Accessories



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



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 8 of this manual.



3. Ensure the built-in filter is installed
The installation method refers to point 7 on page 8 of this manual.

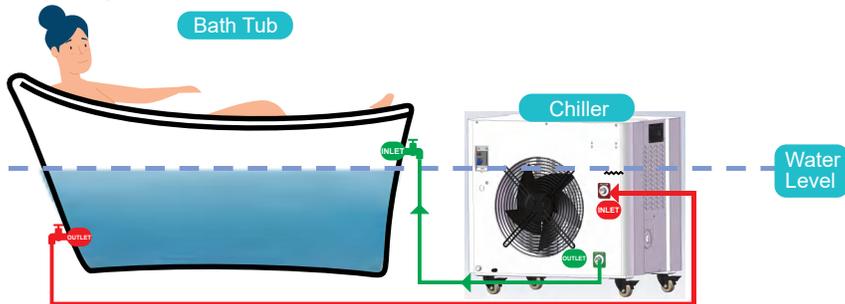
4. Install the valves on the inlet and outlet of the bathtub and ensure the valves are 'hand tight'.



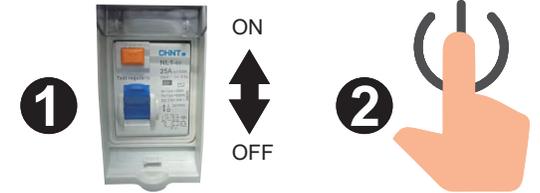
5. Connect both the inlet and outlet water pipes and ensure the valves are 'hand tight'
And then fill the bathtub with enough water. The water level in the bathtub should be higher than the chiller inlet and lower than the bathtub inlet.



Diagram of water pipes connection and bathtub water level

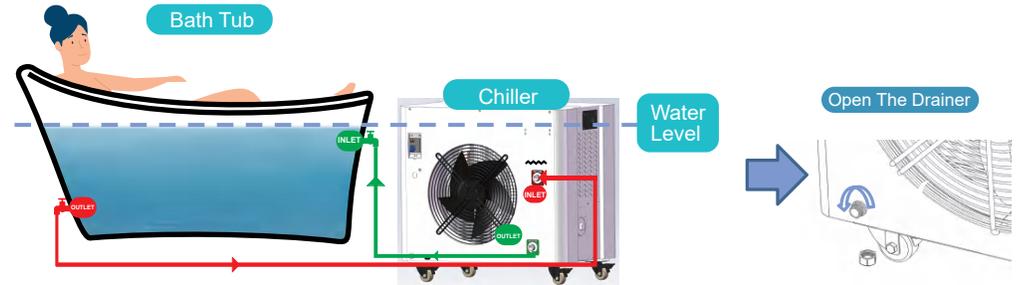


6. Plug in and switch on the chiller.
The chiller will start working.



7. Please check the 'water flow' on the control panel. When the chiller starts working, the 'water flow' should be higher than 14L/min.

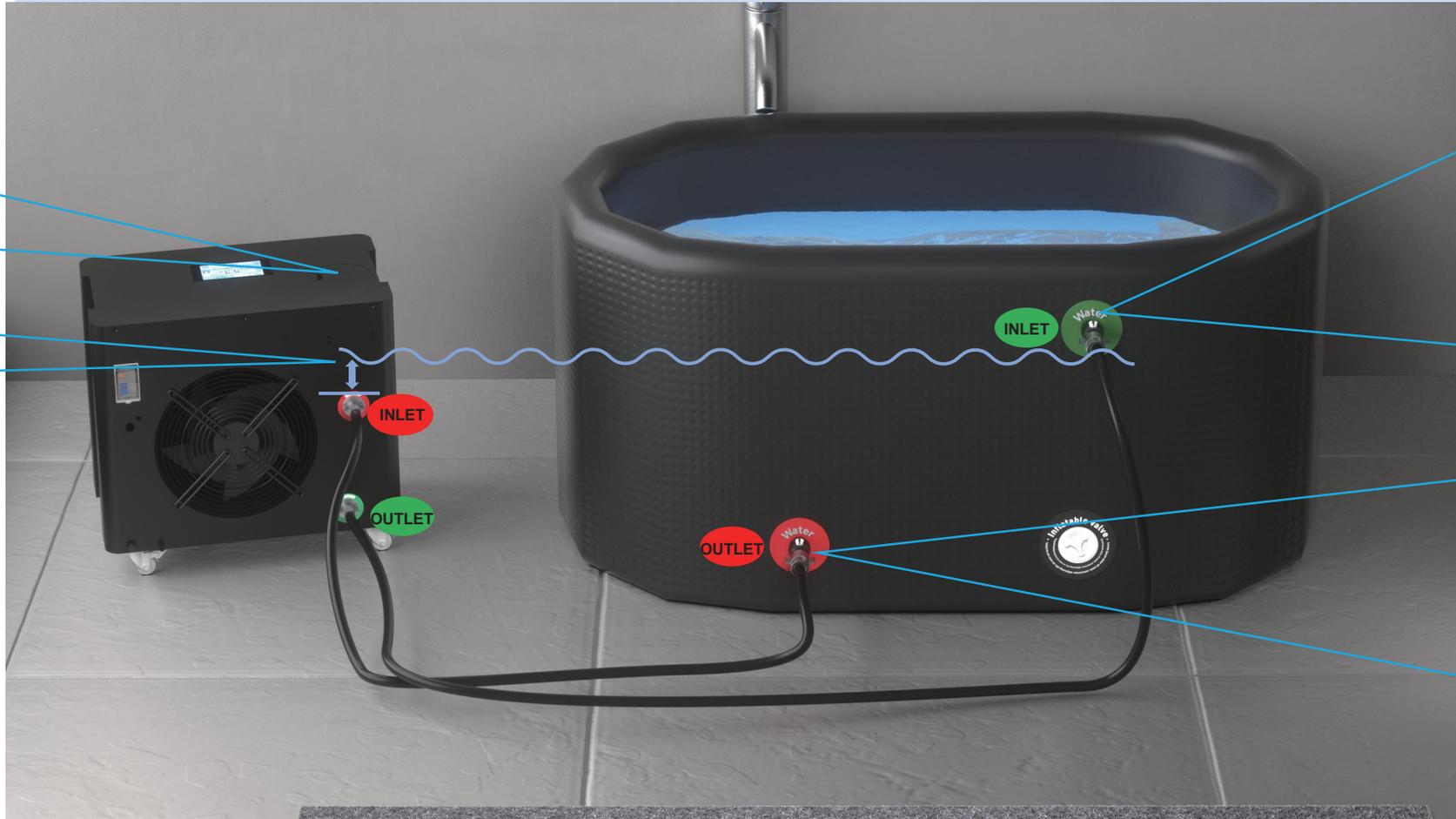
8. IMPORTANT: If both the bathtub inlet and outlet are below the water level, there might be remaining air in the chiller, which impacts the 'water flow'. Please open the drainer to let the water come out a little bit, and then the 'water flow' will be back to normal.



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

10. 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.



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

LARGE TOUCH SCREEN!

TOUCH PANEL INTRODUCTION

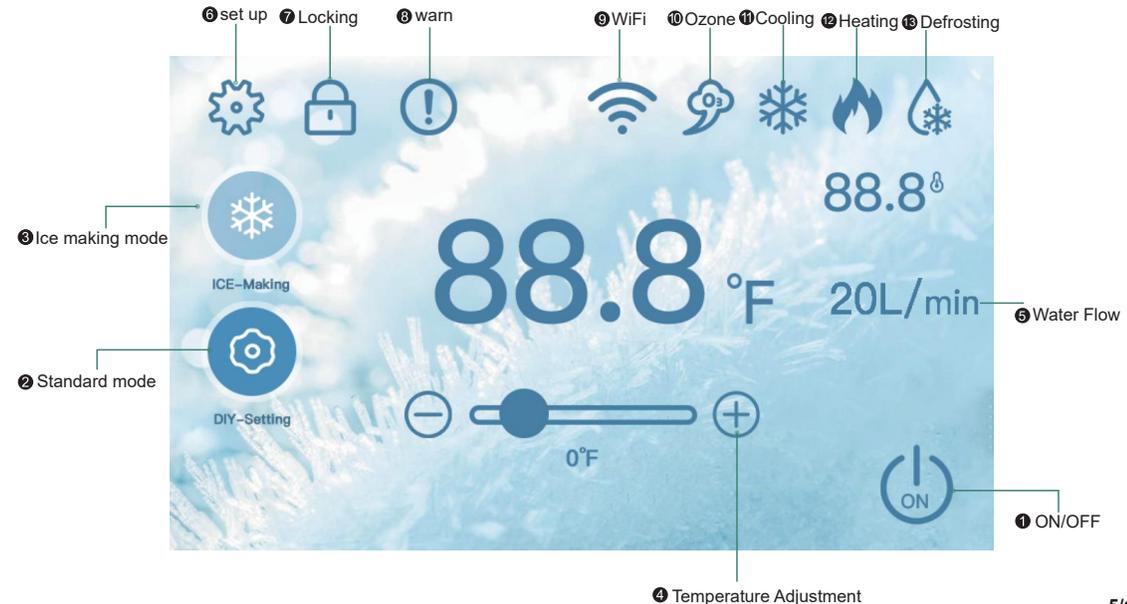
Status Icons



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

- ① Turn on/of
- ② Press Standard mode
- ③ Press Ice making mode
- ④ Press + or - to set the temp
- ⑤ Displays the current water flow 20L/min
- ⑥ Press to enter the second screen
- ⑦ Press 5-10s to lock or unlock
- ⑧ Warn
- ⑨ WiFi
- ⑩ Ozone
- ⑪ Cooling
- ⑫ Heating
- ⑬ Defrosting

Remarks: ⑫ ⑬ lights up only for chillers with a heating function when in heating mode.



ICE BATH CHILLER

Enjoy Intelligent Life



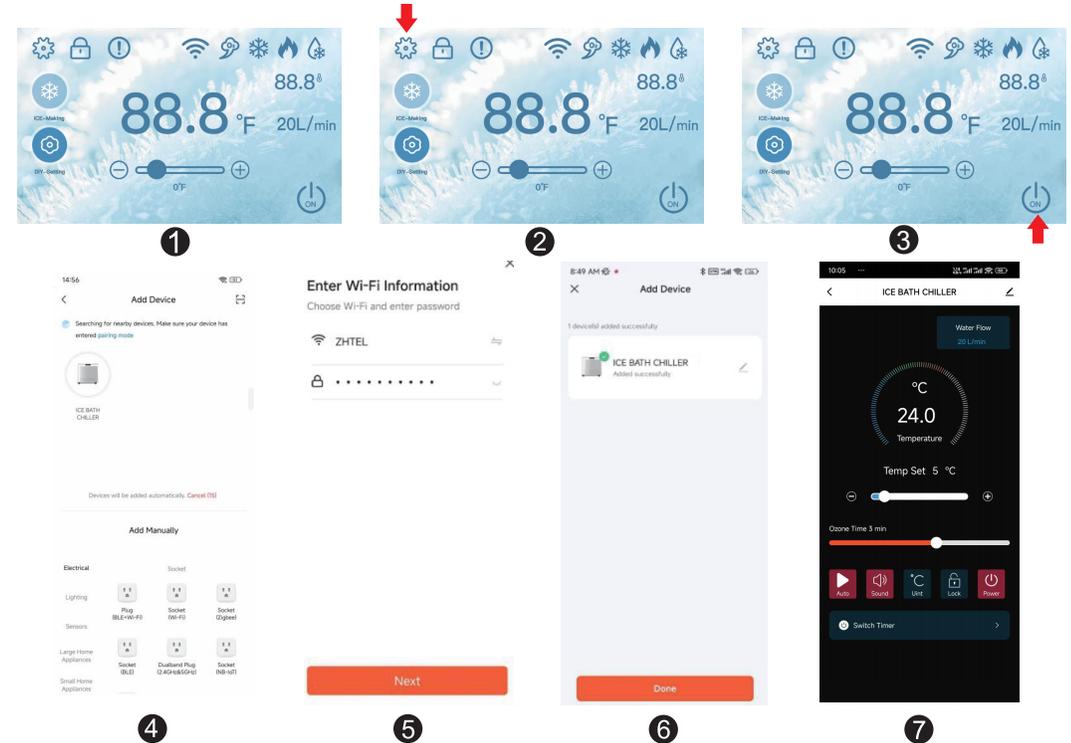
WiFi CONNECTION



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. Power on the equipment and light the screen.
2. Click the settings key.
3. Press WiFi key for 6-10 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.



ICE BATH CHILLER

Mobile Application

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  Switch Timer
6. Touch screen prompt sound(ON/OFF) 
7. Power-on automatic operation ON/OFF 
8. Adjust the Ozone working time : 0 min (close) and max to 5 min 
9. Temperature adjustment(0-45°C/32-113°F) 
10. Current Temperature



ICE BATH CHILLER

Water Flow
20 L/min

°C
24.0
Temperature

Temp Set 5 °C

Ozone Time 3 min

Auto Power

Auto Sound Temp Unit Lock

Switch Timer

① Turn ON/OFF

② Locking

③ Temperature Switching (°C/°F)

④ Water Flow

⑤ Set Time (setting ON/OFF time of the chiller)

⑥ Touch screen prompt sound

⑦ Auto Power

⑧ Ozone Time Setting

⑨ Temperature Adjustment

⑩ Current temperature

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 0°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.
 - ① The machine is not used for a long time: To prevent the deterioration of the water inside.
 - ② The ambient temperature is below 0°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.



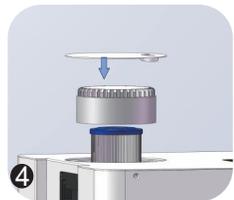
Close the valves of the inlet and outlet of the bathtub



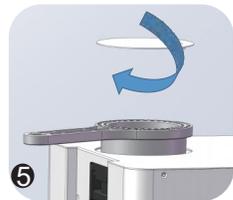
Open the lid with the wrench



Take out the old filter element



Put in a new filter element

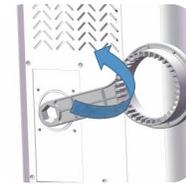


Close the lid and tighten with the wrench

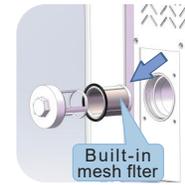


Open the valves of the inlet and outlet of the bathtub

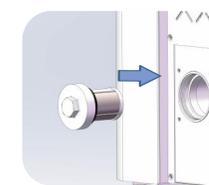
7. Check and clean the built-in filter when the water flow rate gets lower. We recommend cleaning it every four weeks to ensure the water pump is working perfectly.



Open the lid with the wrench small side.



Take out the mesh filter and rinse it with water.



Put in a clean mesh filter.

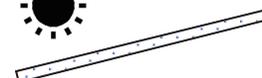


Close the lid and tighten with the wrench small side.

8. Check and clean the dust net when the cooling/heating efficiency gets lower. We recommend cleaning it every three months to ensure the condenser is working perfectly.

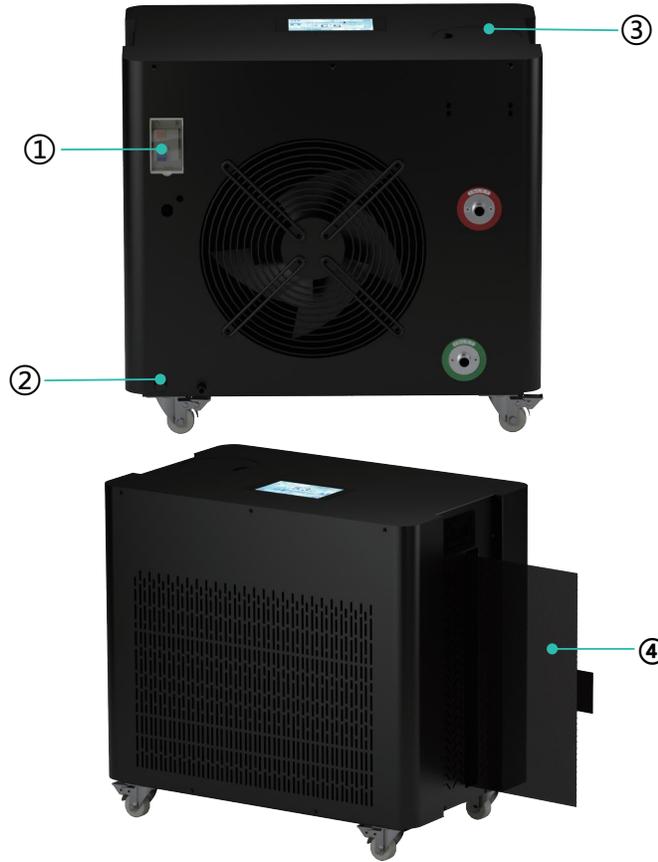


9. Please do NOT place the device directly under the sun or in rain or snow; place the machine under a shelter.





Ice-Bath Chiller Machine Main Technical Data Sheet					
Horse Power	1.0 HP		1.5 HP		2.0 HP
Model No.	SY-10-HC_ICE		SY-20-HC_ICE		
Power Supply	106-127V 60Hz	220-240V 50/60Hz	100V 50/60Hz	106-127V 60Hz	220-240V 50/60Hz
Input Power	1150(110-1270)W	1060(110-1240)W	1385(110-1570)W	1430(110-1600)W	1950(110-2380)W
Max Input Current	12.8A	6.5A	15.6A	14.5A	12.2A
Cooling Capacity	2700(300-4800)W	2450(300-4680)W	3300(550-5920)W	3600(670-6260)W	5000(960-9240)W
Heating Capacity	3270(300-4500)W		3750(820-5100)W	4500(950-5320)W	5800(1350-7200)W
Heating Function	Yes				
Cooling Function	Yes				
Refrigerant	R410A				
Water Temperature	0-45°C adjustable				
Ozone Disinfection	Ozone Generator				
Water filter	Multiple filtration system				
Remote control	iOS & Android APP,WIFI				
Transport wheels	Yes				
Carry handle	Yes				
Quick Connectors	Yes				
Net Weight	43KG		54KG		59.5KG
Product Dimension	60*37.5*56CM		60*41.5*56CM		
Certification					
Water Volume&Cooling Time (From 28 to 0°C Based on ambient temperature 25-28 °C-For your reference)	300L≥5.3H 300L≥3.9H 25-3°C	300L≥6.1H 300L≥4.4H 25-3°C	300L≥4.6H 300L≥3.4H 25-3°C	300L≥4.2H 300L≥3.1H 25-3°C	300L≥3.2H 300L≥2.3H 25-3°C



NOTES:

① RCD: It needs to be disconnected (switch to OFF) when replacing the paper filter element or cleaning the built-in filter.

② Drainer: When the machine is not used for a long time, or the storage environment temperature is less than 0°C, the drain outlet needs to be opened to empty the water inside the machine.

③ 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.

④ Dust-proof net: Clean the dust-proof net every three months.

Requirements for Optimal Ice Production:

1. Water Volume:

- For 1 HP units: 150 liters
- For 1.5 HP units: 200 liters
- For 2 HP units: 250 liters

2. Environmental Temperature

- Ice-making efficiency can be significantly affected by high ambient temperatures. It is recommended to operate the unit in environments where the temperature is below 30°C for optimal ice production.

