



ICE BATH MACHINE

USER MANUAL



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Main Technical Data Sheet

Product Name	Ice-Batch Chiller Machine		Ice Bath Machine
Model No.	SY-08 - HC / OC		TDG-001
Power Supply	100-127V 60 Hz	220-240V 50/60Hz	AC220-240V 50/60Hz (AU PLUG)
Input Power	725W	710W	710W
Compressor Power	630W	605W	605W
Cooling Capacity	1790W	1770W	1770W
Heating Function	Yes		
Cooling Function	Yes		
Refrigerant	R410A		
Water Temperature	3-42C Adjustable		
Ozone Disinfection	Ozone Generator		
Circulation Pump	Built-in Self-priming System		
Water Filter	Installed External		
Remote Control	Android APP, Wi-Fi		
Transport Wheels	Yes		
Carry Handle	Yes		
Quick Connectors	Yes		
Net Weight	35KG		
Product Dimension	47*35*53CM		
Certification	CE (Following dats based on testing in closed insulated barrel, 30C room temperature)		
Water Volume & Cooling Time (From 23 to 5C)	"50L = 0.5H 100L = 1.5H 200L = 4H 500L = 8H"	"50L = 1H 100L = 2H 200L = 5H 500L = 10H"	"50L ≤ 1.2H 100L ≤ 2.1H 2000L ≤ 4.2H 500L ≤ 7.9H"
Main Features	Excellent Design with Low Noise		Overloading protection
	Built-in Self-priming Circulating Pump		With Anti-freeze System
	Water and Electricity Separating System		Overheating Protection
	Leakage Protection System for Electricity		Maximum cooling capacity in specified spaces
	Built-in ozone generator, and External water filter		Suitable for Indoor and Outdoor cooling and heating
	WIFI Connection, Remote Control by iOS & Android APP		Excellent value, priced to be as affordable as possible
	Easy to Install, including hose pipe with quick connectors		Manufactured with the high quality materials and components that can work under 24hour 7days a week
	Automatic Start-stop and Constant Temperature System		

Product List



Warning Label*1



Operate Label*1



For SY-06 For SY-08/10/20
Filter Element*1



Chiller*1



Water Pipe*2



For SY-08/10/20
Aluminum Filter*2



Plastic Wrench*1



Quick Conector*2
(Inner Teeth 3/4")
(Outer Teeth 5/8")

Rubber Ring*8

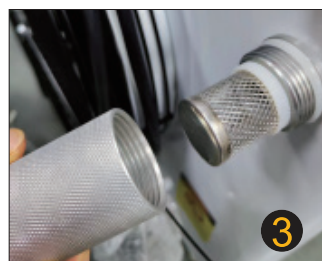
Installation



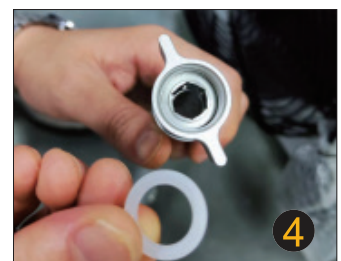
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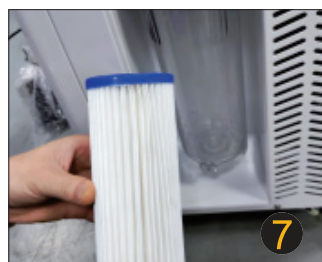
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5



6



7



8

Remarks: The installation steps for model SY-08/10/20.

Main Control Panel Interface



Key Press Function

1. Power On/Off Key: Press for 1s to Power On/Off, the software version number o1.X. (x represents numbers 1-9) will be displayed when the machine is just started.

2. Mode Key: (used mode key with the setup key together).

Press for 3s to convert temperature units.

Press mode key and set key for 3s to release the FL and ICE warnings.

3. Setting Key: Press for 1s to enter the setting temperature value, the setting bit flashes, click or long press the up and down keys (ie 5 and 6 keys) to adjust the temperature setting value. Click save and exit.

If the chiller is with Ozone disinfection function:

Click 3 and then click 4, the setting bit display O3, then click or long press the up or down keys (both 5 and 6) to adjust the ozone switch interval.

4. WiFi Connection Match Key:

Press for 5s to re-match WiFi

5. Up Key: After entering the temperature setting, increase the set value.

6. Down Key: After entering the temperature setting, lower the setting value.

7. WiFo Icon Display: The status is as follows.

WiFi display normal	The Machine is connected	Temperature and other parameters can be adjusted on the APP
WiFi flashing	The machine is in network configuration	Turn on the Tuya APP and the Bluetooth function of the mobile phone, and automatically prompt the connection
WiFi is off	The machine is not connected to the Internet	Press the No 4 button for 5 seconds to re-match the WIFI connection

Main Control Panel Interface

APP Download QR code



Smart Life



Tuya Smart

Note: At present, Tuya can only support 2.4G WiFi signal. Therefore, before connecting the phone to the machine, please confirm that the WiFi used by your phone is in the 2.4G frequency band. If it is in the 5G frequency band, it will not be able to connect to the machine.

- 8. System Working Status: Cool, Heat
- 9. Defrost Logo: On--the machine is defrosting, Off--the machine is not defrosting.
- 10. The working mode of machine
Default Mode: temperature setting range (3-42 degrees), the target temperature of machine cooling = set temperature. The upper and lower deviation value is 1 degree
- 11. Real-time display of machine water flow: if there is no flow device installed, it will display 0
- 12. The flame icon is displayed synchronously with T2 hot water
- 13. The snowflake icon is displayed synchronously with T1 (cold water)

Fault Code Analysis and Solution

Alarm description:

When the effect is affected but it can work normally, an alarm will sound. If it does not affect the work, it will not alarm.



Error Code	Alarm	Reason	Solve Solutions	Machine Status
IN	NO	Bad panel connection	Re-plug both ends of the cable	Can not work
HH	YES	The water temperature is higher than the upper limit temperature	If there is a difference between the low water temperature and the displayed water temperature, the water temperature sensor is faulty.	Can not work
FL	YES	No water flow or too little water flow	<ol style="list-style-type: none"> 1. No water flow: the water pump is broken or stuck, and the waterway is blocked 2. Small water flow: There may be a tube folded in the waterway, the water flow is not smooth, or the waterway is not cleaned for too long, and the scale is blocked, flush it with an air gun. 3. The water flow protection switch is broken: replace the water flow switch. 	Press and hold the mode button + setting button for 5 seconds to force the alarm to be dismissed, and the machine will work normally.
Ch1	YES	Bad Sensor (Green)	Replace the NTC1 temperature sensor, restart the machine after replacement.	Can not work
HEA	NO	Heating Failure	The machine can only do the cooling function	Normal Work

Main Control Panel Interface

Error Code	Alarm	Reason	Solve Solutions	Machine Status
ICE	NO	Water temperature below freezing point	Turn off the machine, pour hot water into the bucket and heat it for 20 minutes, then turn it on again. If the antifreeze solution is used, you can press the MODE + SET button at the same time to force the alarm and the machine will resume normal operation.	Press key2+key3 at the same time for 3 seconds to forcibly cancel the alarm, and the machine returns to normal work.
PA	NO	Sensor failure (Red)	Replacing the NTC3 temperature sensor	Normal Work
AA	NO	Temperature Sensor Failure	Replacing the NTC4 temperature sensor	Normal Work

APP Instructions for Use



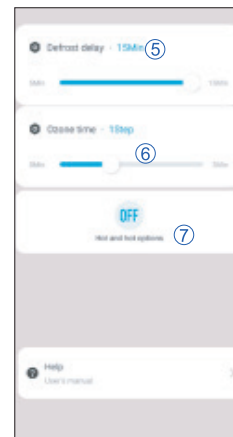
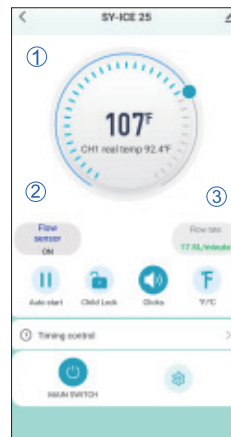
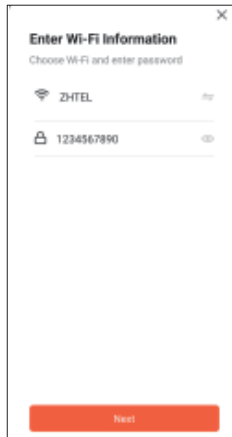
Smart Life



Tuya Smart

Scan the QR code of any of the above APPs, follow the prompts to download and install Follow the prompts to register an account (recommended to register with a mobile phone number)

Log in to the Smart Life APP with your mobile phone, turn on the Bluetooth of your mobile phone, press the WIFI matching button (button 4) on the chiller for 5 seconds, hear a"beep", the WIFI icon flashes, -- click on the APP to add a device -- make sure it is 2.4 GHz WiFi -- discover device--click add--enter WiFi password--next--wait for APP to load--click to finish APP successfully loaded.



- ① T1 temperature setting dial, drag the cursor point by hand to adjust the set value.
- ② When the water flow is abnormal, it will display red, and when the water flow is normal, it will display green.
- ③ Display real-time water flow
- ④ User sets parameters, click to enter interface 2
- ⑤ Defrost delay setting.
- ⑥ Ozone time setting
- ⑦ Hot and hot options: ON/OFF

Power-on function: that is, the machine will start immediately after power-on, otherwise it will start by pressing the switch key.

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Temperature Units: Fahrenheit or Celsius.

Exhaust temperature/current opening value: system parameters are not adjustable

Timing switch machine: After setting the switch, the machine can be effectively turned on/off only when the machine is powered on.

High temperature alarm value: When the water temperature reaches the alarm value, the chiller will issue a warning, and the machine will not be cooling/heating.

Precautions

1. Do not block the fan outlet of the room. Otherwise, it will reduce the heating and cooling effect and waste power
2. It is forbidden that the equipment is not clean. Regularly check and clean the equipment and filtering device
3. It is forbidden to touch the fan during the operation of the equipment to avoid hurting fingers
4. Pay attention to whether the rated voltage of the product is consistent with the power supply voltage of the home
5. During the operation of the equipment, it is not allowed to touch the switch with hands, let alone the electrical components



The Dope Group Pty Ltd

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The Dope Team!

