

**CHILL  
TUBS<sup>®</sup>**

**USER MANUAL**

**ESSENTIAL  
MINI CHILLER**





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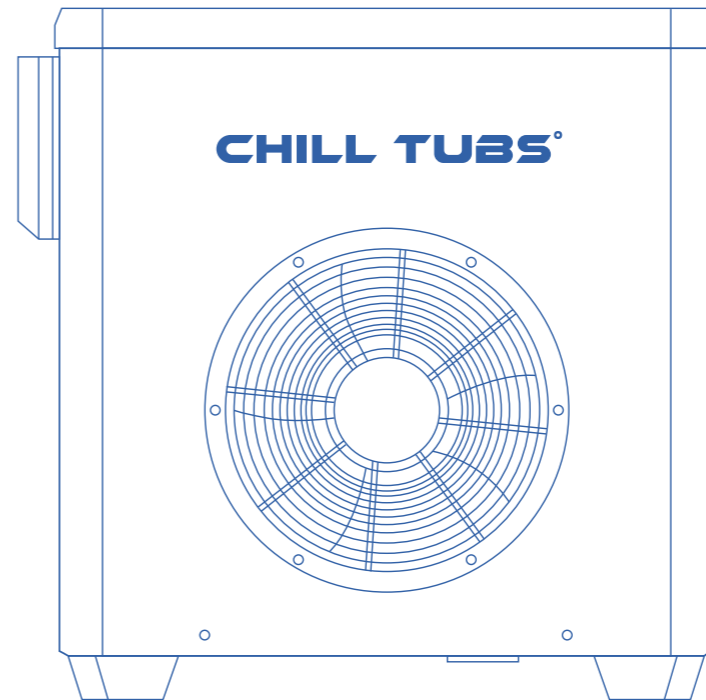
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User Manual – Installation, Operation & Safety

Product: Chill Tubs Mini Chiller

Base Model: SHPH-2C-2

For use with: Chill Tubs Essential Bath / Pod



## WELCOME

### THANK YOU FOR PURCHASING THE CHILL TUBS MINI CHILLER.

This manual combines Chill Tubs user guidance with manufacturer installation and operating instructions to provide everything you need to safely install, operate, and maintain your Mini Chiller.

- ! Important: Please read this manual fully before installation or use. Failure to follow instructions may result in damage, injury, or voided warranty.

Register your product and activate your warranty at: [chilltubs.com/support](https://chilltubs.com/support).

## UNBOXING YOUR CHILLER

Take a moment to find out what's included:

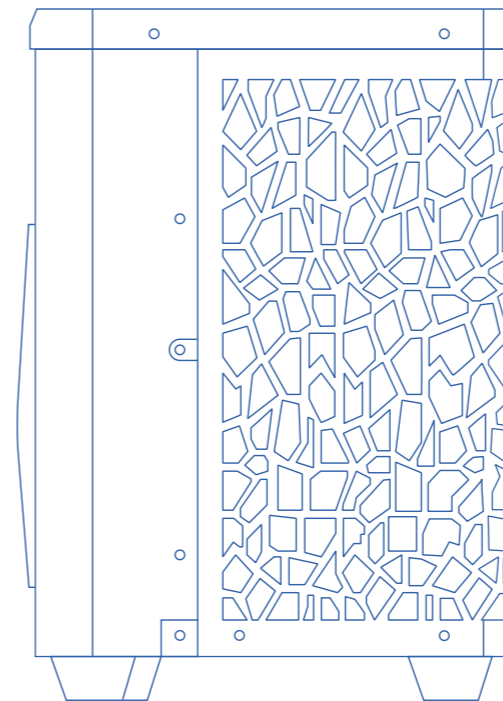
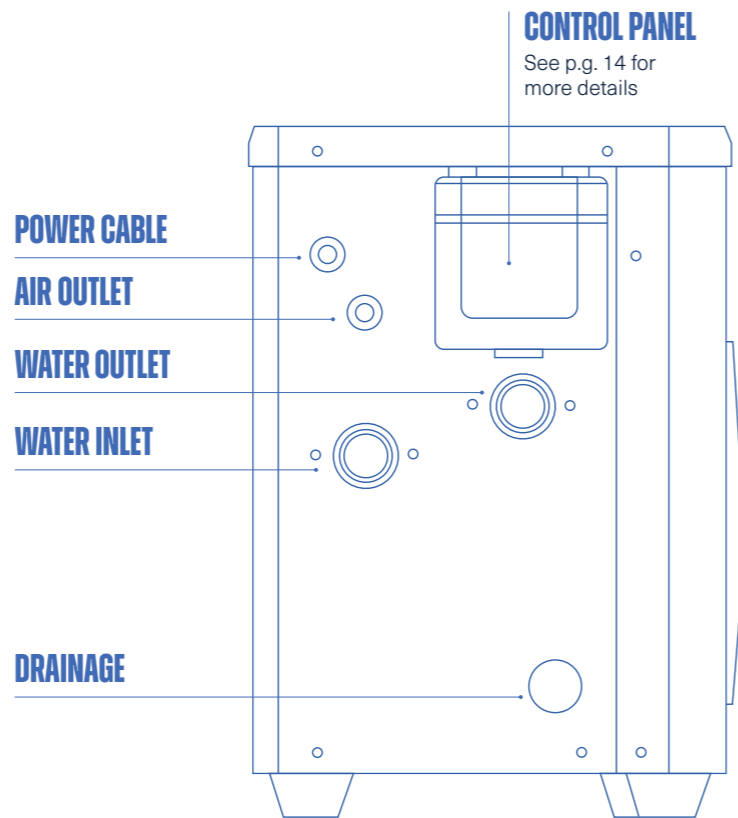
**1 x CHILL TUBS ESSENTIAL CHILLER UNIT**

**2 x WATER PIPES**

**4 x PIPE CONNECTIONS**

**1 x POWER CABLE**

**1 x WATER FILTER**



### ? CUSTOMER SUPPORT

If you have any questions about setting up or using your Chill Tub, please visit our website for further information, FAQs, troubleshooting and customer support.

**IMPORTANT**

Children should not use the Chill Tub and must always be supervised when nearby.



## HEALTH & COLD EXPOSURE SAFETY

### Cold water exposure carries risks.

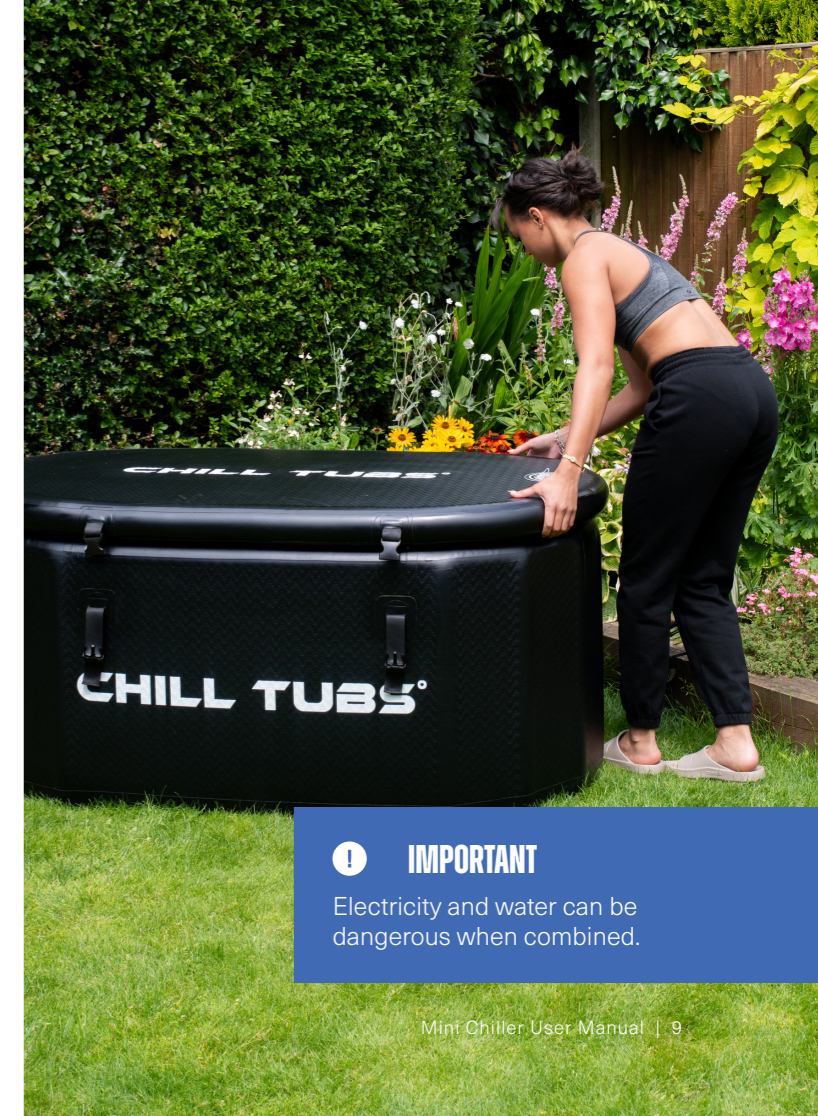
- Consult a doctor before use if pregnant or if you have heart conditions, blood pressure issues, diabetes, or other medical conditions.
- Avoid use after alcohol or recreational drugs.
- Beginners should start with 30–60 seconds and gradually increase exposure.
- Enter the water slowly to control breathing and avoid cold shock.
- Exit immediately if you feel dizzy, numb, or uncontrollable shivering.



## OWNER OBLIGATIONS & GENERAL SAFETY

### Always observe the following:

- The chiller must remain upright at all times during transport and use.
- After transport, allow the unit to stand upright for 24 hours before powering on.
- Always use a grounded (earthed) AC socket with RCD protection.
- Never immerse, spray, or expose the unit directly to water.
- Do not operate the chiller while using the Chill Tub.
- Do not use extension leads.
- Children must not operate or play with the unit.
- Repairs must only be carried out by approved service engineers.



**IMPORTANT**

Electricity and water can be dangerous when combined.

## PRODUCT OVERVIEW & SPECIFICATIONS

<b>Power Supply</b> (region dependent)	UK / EU: AC 220–240V, 1Ph, 50Hz North America: AC 110V, 1Ph, 60Hz
<b>Input Power</b>	350–650W (variable by operating condition)
<b>Cooling Capacity</b>	Up to 1.3 kW (model and voltage dependent)
<b>Noise Level</b>	48 dB(A)
<b>Refrigerant</b>	R32 (300g)
<b>Water Temperature Range</b>	3°C – 42°C (37.4°F – 107.6°F)
<b>Operating Ambient Temperature</b>	-5°C to 43°C (23°F – 109.4°F)
<b>Water Flow Rate</b>	1.5 m <sup>3</sup> /h
<b>Heat Exchanger</b>	Titanium PVC
<b>Dimensions</b>	430 × 270 × 420mm
<b>Weight</b>	23kg
Heating function is designed for temperature maintenance and antifreeze protection rather than rapid water heating.	
Repairs must only be carried out by approved service engineers.	

## REGIONAL VARIANTS

### Model Variants

Region	Model	Voltage / Frequency	Plug Type
UK	SHPH-2C-2	220–240V / 50Hz	BS1363 (UK plug)
EU	SHPH-2C-2	220–240V / 50Hz	Schuko Type F
North America	SHPH-2C-110	110V / 60Hz	NEMA 5-15

Performance characteristics vary slightly by voltage and frequency, however all models operate within the same temperature and safety parameters.

This product is manufactured to comply with applicable regional electrical and safety standards. Certifications vary by market.



# INSTALLATION REQUIREMENTS

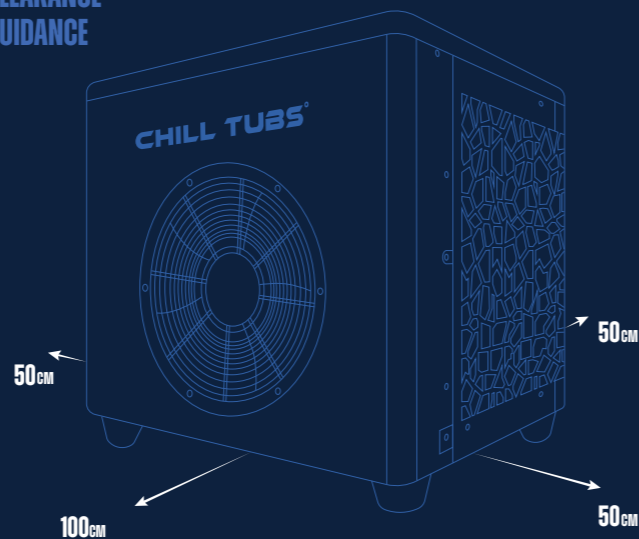
## Electrical Safety

- Must be connected to an earthed socket.
- RCD protection is mandatory.
- Never power on with wet hands.

## Water Connections

- Ensure inlet and outlet hoses are correctly connected (hand-tight only).
- Do not overtighten fittings.
- Always ensure valves are fully open before operating.
- Never operate the chiller without water flow.
- Use PTFE tape to seal threaded joints.

## CLEARANCE GUIDANCE

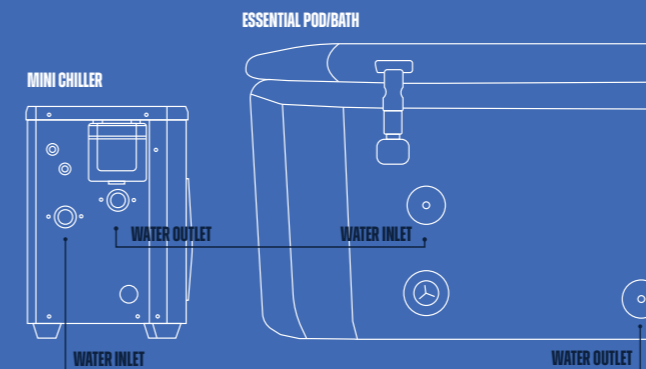


## Location & Ventilation

- Install outdoors or in a well-ventilated area only.
- Allow minimum 100cm clearance on the fan side and 50cm clearance on all other sides for airflow.
- Install on a flat, solid surface.
- Keep away from flammable gases, corrosive environments, and standing water.

# QUICK START GUIDE

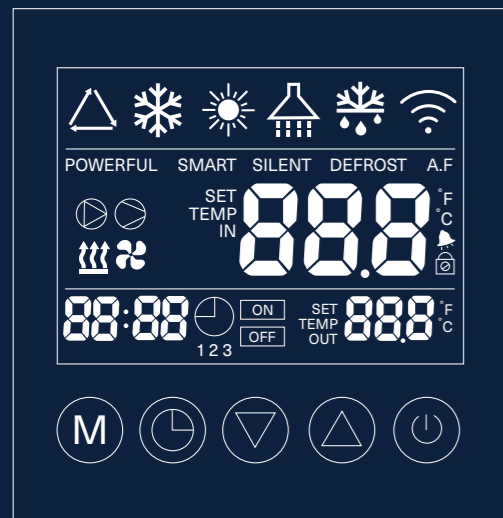
1. PLACE BATH AND CHILLER INTO POSITION.
2. PUMP UP BATH.
3. APPLY PTFE TAPE TO ALL MALE CONNECTIONS.
4. CONNECT THE FILTER:  
A) Screw on the top section of the filter housing to the water inlet labeled thread on the chiller.  
B) Place filter into cover, screw cover onto the filter housing.
6. CONNECT PIPES:  
A) 'Water Outlet' of bath to 'Water Inlet' of chiller.  
B) 'Water Outlet' of chiller to 'Water Inlet' of bath.  
See Figure 1 for details
7. OPEN ALL VALVES.
8. FILL BATH ABOVE 'WATER INLET' ON THE BATH.
9. BLEED AIR FROM THE SYSTEM  
Open bleed valve until water slowly trickles out of the chiller then tighten bleed Valve.
10. TURN ON CHILLER AND SET TEMPERATURE.
11. TOP UP THE REST OF THE WATER TO JUST ABOVE THE WATER INLET HOLE.



**FIGURE 1**

Connecting Chill Tubs  
Mini Chiller to Chill Tubs  
Essential Pod/Bath

# CONTROL PANEL OVERVIEW



**TIMER**  
Clock and scheduling

**UP / DOWN**  
Adjust temperature

**FUNCTION**  
Cooling / Heating  
/ Auto

**POWER**  
On/Off, Screen Lock  
(hold 3 seconds)

# KEY DEFINITION & OPERATION

## POWER KEY

- On the main interface, press this button to turn the Chill Tub on or off
- In the parameter interface and parameter setting interface, press this key to return to the main interface
- On the main interface, press and hold this button for around 3 seconds to unlock or lock the screen.

## FUNCTION KEYS

On the main interface of the power on, press the Function button to switch between working modes.

- Cooling mode (regulates the set temperature only by cooling).
- Heating mode (regulates the set temperature only by heating).
- Both (regulates the set temperature by heating and cooling).

Set temperature. Once temperature has been selected and changed, the temperature will continue to flash until you press the to set and confirm.

## UP AND DOWN KEY



On the main interface, the two keys can be used to adjust the current set temperature.

## TIMER KEY



- Press and hold the timer button for 3 seconds to enter the real-time clock setting interface.
- When entering the real-time clock setting interface, the hour and minute positions will flash together.
- Press the timer button again, the hour position will flash and the minute position will remain on.
- Move the up and down keys to adjust the hour position.

- After adjusting the hour position, press the timer button again, the hour position will remain on and the minute position will flash. Move the up and down keys to adjust the minute position.
- After adjusting the minute position, press the timer button again to confirm and return to the main interface. Press the timer button to enter the timing setting interface. At this time, the timing group 1 flashes (you can select the timing group through the up and down keys).
- When the current timing group is selected, the timing group flashes. At this time, press the timer button to enter the current timing group setting.
- Use the timer button to alter either the minute or the hour time. The order is as follows - the hour number for timing on, the minute number for timing on, the hour number for timing off, and the minute number for timing off.



## RESET

- Pressing and holding the  key and  key together for 10 seconds can restore the default values of the parameters.



## Forced Defrosting

- Press and hold  +  for 10 seconds to enter forced defrosting.



## Status Query

- Press and hold  +  for 5 seconds, collaborate with up and down keys to query running parameters.

## Parameter Settings

- In the shutdown state, press and hold the  +  for 10 seconds, combined with the up and down keys, to set various parameters.

## Conversion between Celsius and Fahrenheit

- Press and hold  +  together for 3 seconds to allow for the conversion between Fahrenheit and Celsius degrees, with Celsius degrees displayed by default.



WIFI



Install the SmartLife or Tuya App. Use Appstore (for IOS) or AppGallery (for android).



- Complete App registration and configuration

## Add smart device

- Turn on the Mini Chiller, press “up” and “M” buttons together for 3 seconds for the system enter into the WIFI mode.

- Open the app on your phone:
  - Click “+” button on right top of the interface.
  - Choose “Large Home Appliance” and click it.
  - Choose “Smart heat pump” and click it.
  - Check “Confirm the indicator is blinking rapidly” and click “Next”.
  - The advice start scan and connecting. If the blue checkmarks appear before each of the three items on the bottom, it means the device connection is complete.
  - When the connection complete, the name of heat pump will appear on the interface. Please click “Done” on the right top.
  - The main interface of heat pump control will appear.



# SYSTEM PROTECTION & FAULT CODES

## Cooling Time Guidance (For reference only)

Depending on ambient air temperature, clearance around chiller (See p.g.12), season, starting water temperature, and installation environment, cooling performance will vary.

As a general guide, it can take up to 20 hours to chill 400 – 500 litres of water from 25°C (80.6°F) down to 3°C (37.4°F)\*.

This guidance is provided for reference only and does not represent a guaranteed performance time.

\* fluctuations of 2°C is normal, but the unit will set temperature automatically.

## **?** QUERIES

Most faults auto-reset once conditions return to normal. Persistent errors require service support.

Support Contacts

UK: [support@superiorwellness.co.uk](mailto:support@superiorwellness.co.uk)

EU: [eu-support@superiorwellness.co.uk](mailto:eu-support@superiorwellness.co.uk)

U.S: [us-support@superiorwellness.co.uk](mailto:us-support@superiorwellness.co.uk)

The Mini Chiller includes automatic safety protection.

Code	Meaning
FFF	Water flow fault
AFP	Winter antifreeze protection
PP1	Water Inlet Temperature Fault
PP2	Discharge sensor fault
PP3	Coil sensor fault
PP5	Ambient sensor fault
EE1	High pressure protection
EE2	Low pressure protection
EE5	High discharge temperature
EE6	Communication fault



## MAINTENANCE & CLEANING

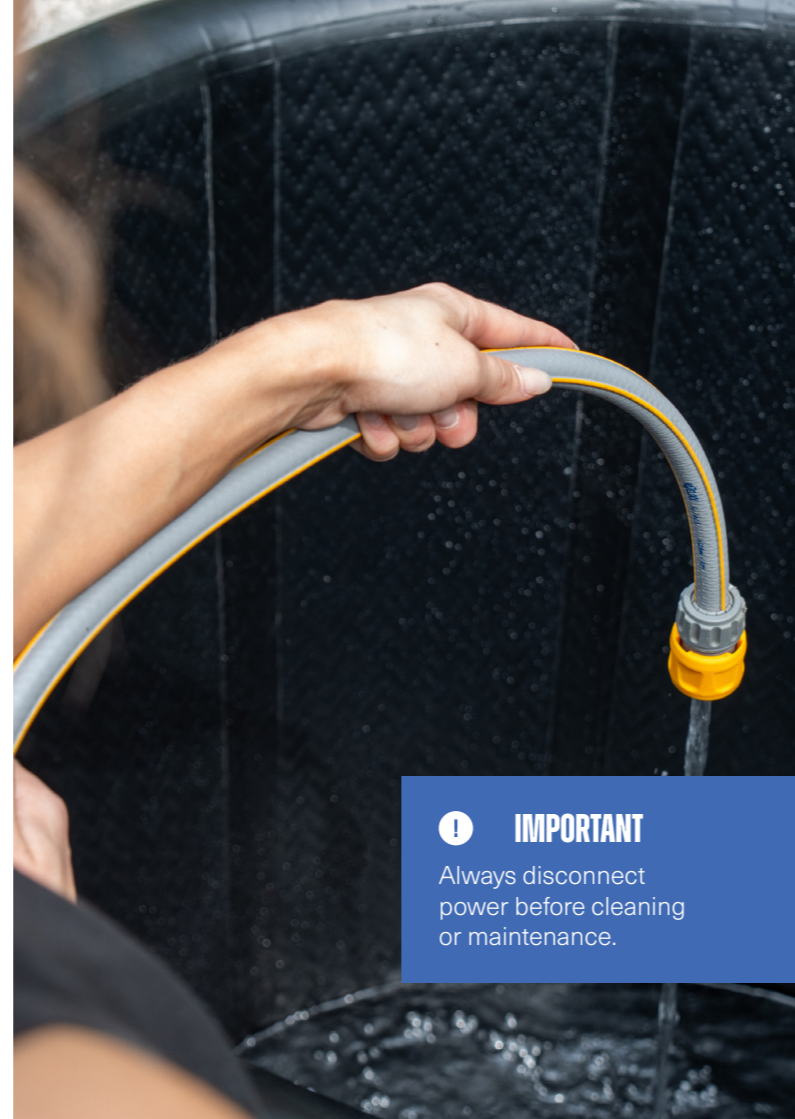
- Change water weekly.
- Clean tub with warm soapy water only.
- Never use pressure washers.
- Keep vents clear of debris.
- Inspect hoses regularly.
- Make sure filters are regularly cleaned (weekly) and replaced every 3 Months.

### Winter & Antifreeze Protection

- Automatic pump circulation when temperatures drop.
- Heating mode activates if freezing risk detected.
- Do not disconnect power during winter storage unless unit is fully drained.

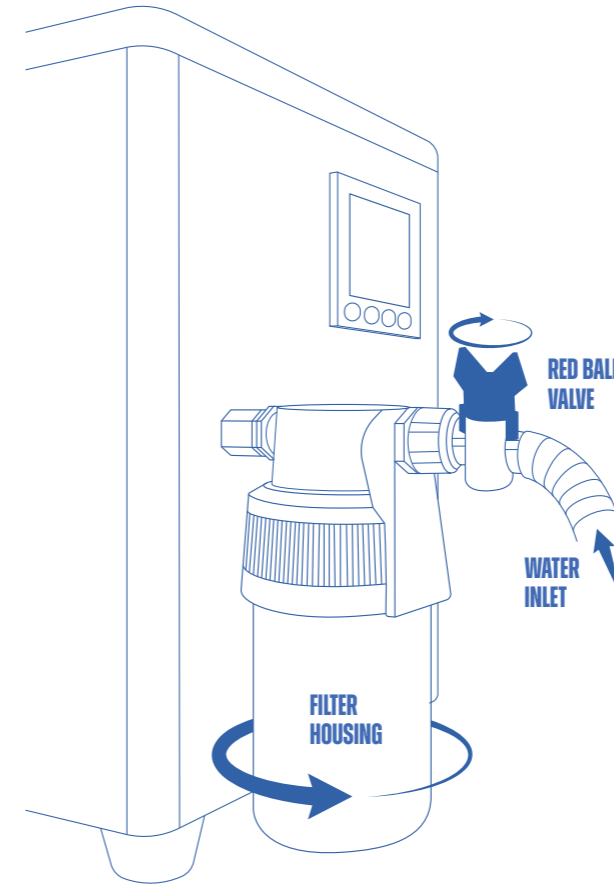
### Storage

- Drain all water if storing long-term.
- Store upright in dry, frost-free location.
- Do not stack items on the unit.



### **!** IMPORTANT

Always disconnect power before cleaning or maintenance.



## FILTER MAINTAINANCE

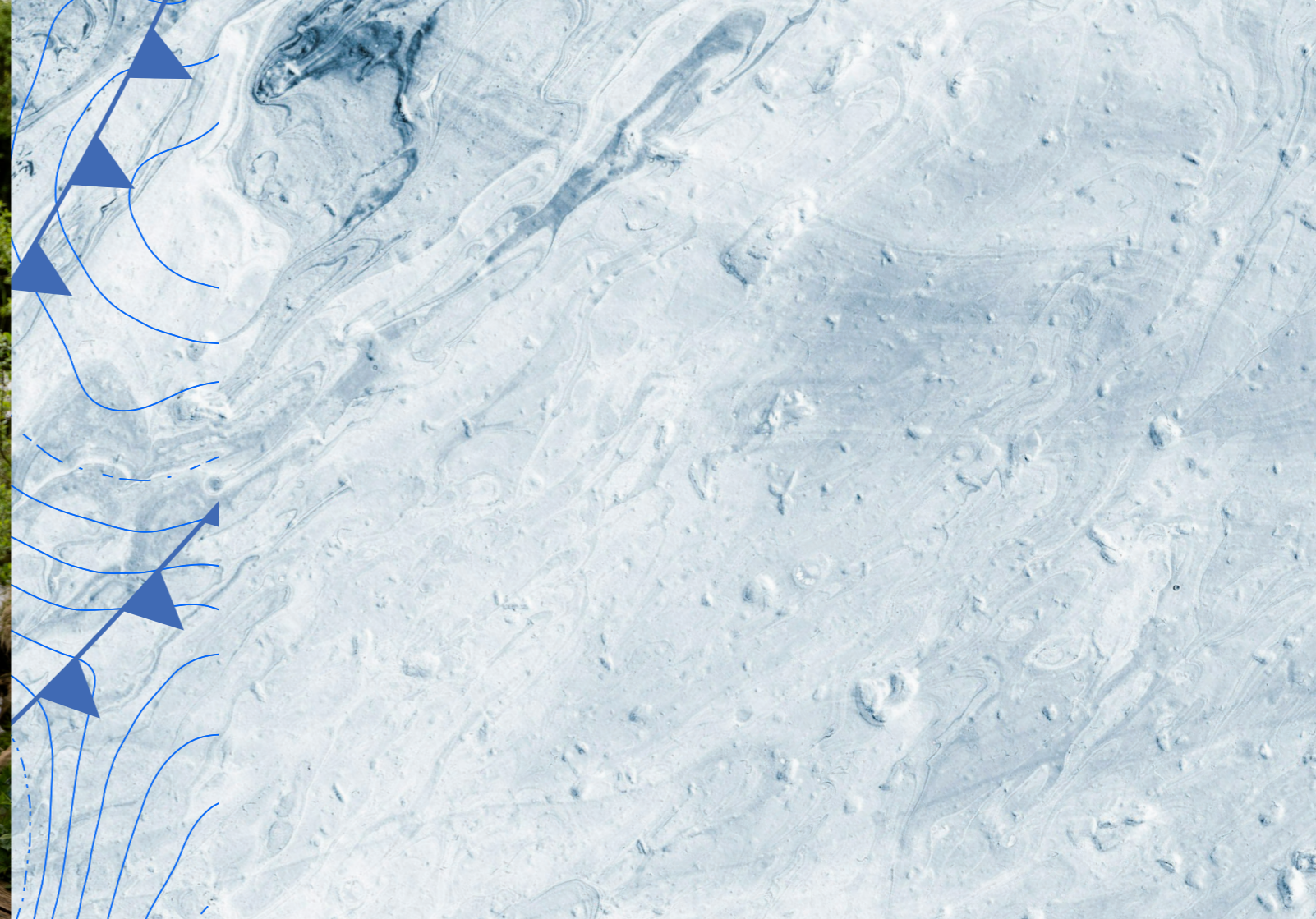
1. **TURN OFF MINI CHILLER.**
2. **CLOSE RED BALL VALVES ON INLET / OUTLET PIPES.**
3. **UNSCREW THE BOTTOM OF THE FILTER HOUSING.**  
(water will come out)
4. **REMOVE FILTER/CLEAN AND REPLACE AS NECESSARY.**
5. **PLACE NEW / CLEAN FILTER CENTRALLY IN THE BOTTOM OF THE FILTER HOUSING.**
6. **SCREW THE BOTTOM OF THE FILTER HOUSING, BACK INTO THE TOP UNTIL HAND TIGHT.**
7. **OPEN BALL VALVES AND BLEED SYSTEM UNTIL WATER COMES OUT OF THE BLEED VALVE.**
8. **TURN ON MINI-CHILLER AND MONITOR THE FLOW OF WATER INTO THE BATH.**  
(If there is no flow, repeat the bleeding process)



## SUPPORT & SERVICING

Only approved Chill Tubs service engineers may repair the unit.

For support, FAQs, and warranty:  
[chilltubs.com/support](https://chilltubs.com/support)



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