

Coldtuture Water Chiller Installation

This manual is intended to assist in connecting the Coldtuture water chiller to any of our Leisurecraft cold plunge tubs.

Please refer to the Coldtuture water chiller owner's manual for operation and safety precautions of the Coldtuture water chiller.



Coldtore Water Chiller Installation

Before you begin, please ensure you have the included components:

- A - One (1) – Filter
- B - One (1) – Filter Wrench
- C - One (1) – Water Strainer Cover
- D - Two (2) – Water Strainer (1 is an extra)
- E - Two (2) – Shut-Off Valves
- F - One (1) – Package of O-Rings (4 Small – 4 Large)
- G - Two (2) – 5" Inlet/Outlet Pipes
- H - Two (2) – (6.8ft) Hoses with Fittings



Coldture Water Chiller Installation

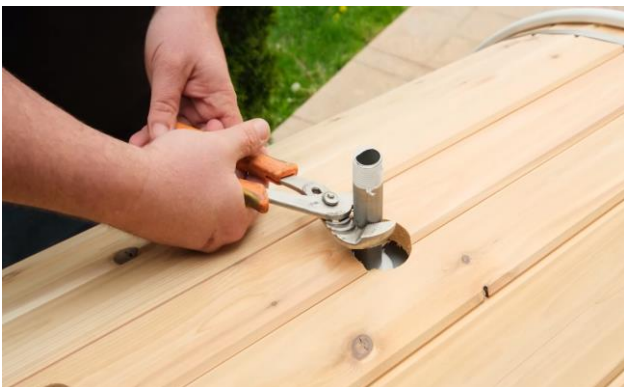
Connecting the inlet/Outlet pipes to the Leisurecraft Cold Plunge Tub



Remove the plugs from the holes in the side of the tub.



Wrap 3 layers of thread tape around the threads on both ends of the 2 long pipes.



Thread one of the long pieces of pipe into the top hole on the side of the tub tightening with a pipe wrench.



Repeat for the remaining long piece of pipe into the lower hole on the tub..

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Connecting the inlet/Outlet pipes to the Leisurecraft Cold Plunge Tub



Thread an elbow onto the upper long pipe on the side of the tub.

Tighten completely with a wrench.



Repeat for the bottom pipe.



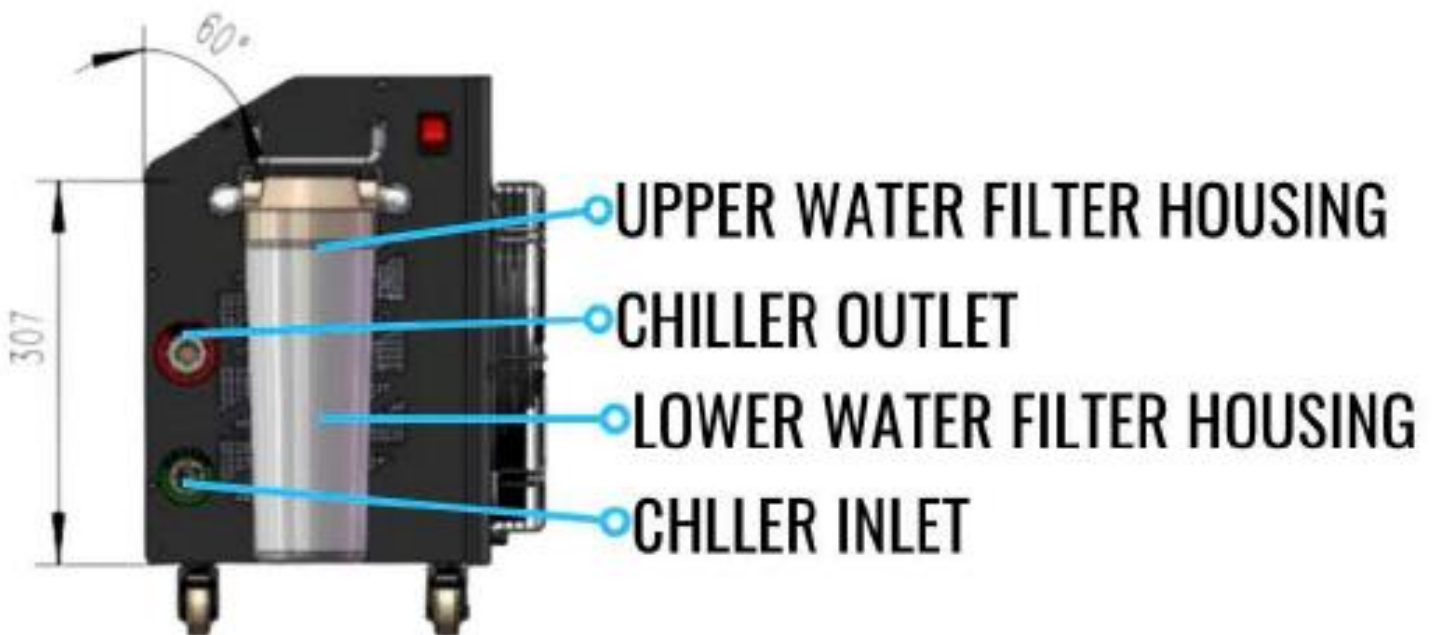
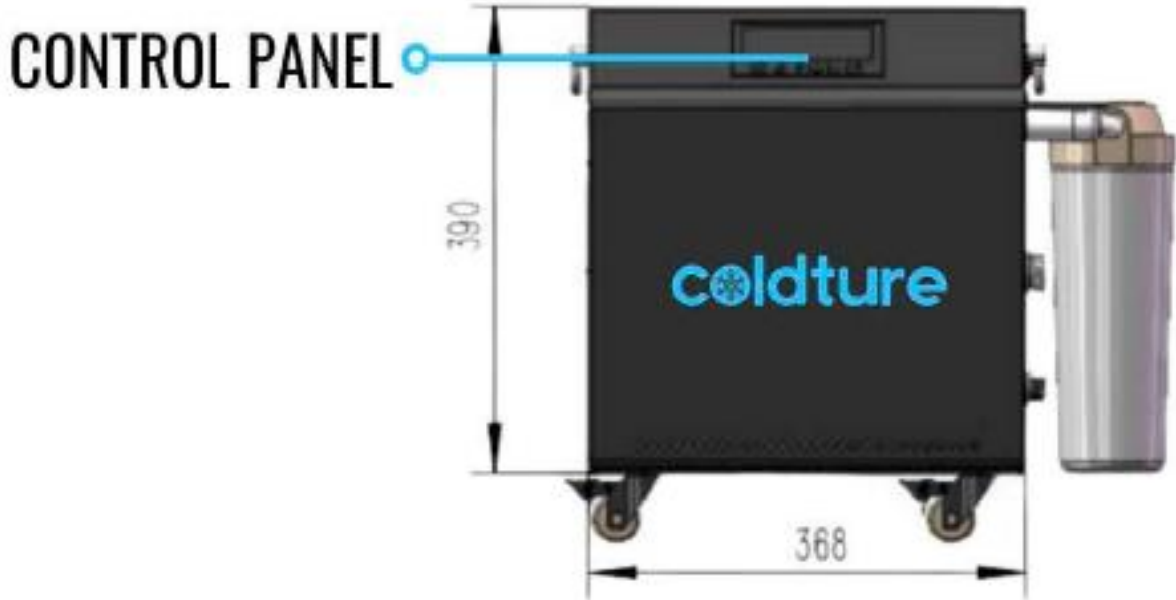
Thread one of the shut off valves into the upper elbow ensuring the lever is in your desired location.

Use a wrench to tighten.

Repeat on the lower elbow.

Coldture Water Chiller Installation

The Chiller



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Connecting the Leisurecraft Cold Plunge Tub to The Chiller

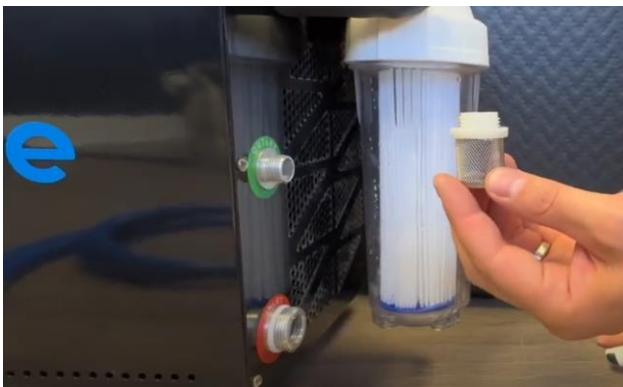


Remove the filter cup from the side of the chiller.



Insert the filter into the cup and screw onto the chiller.

Tighten with the provided filter tool if required.



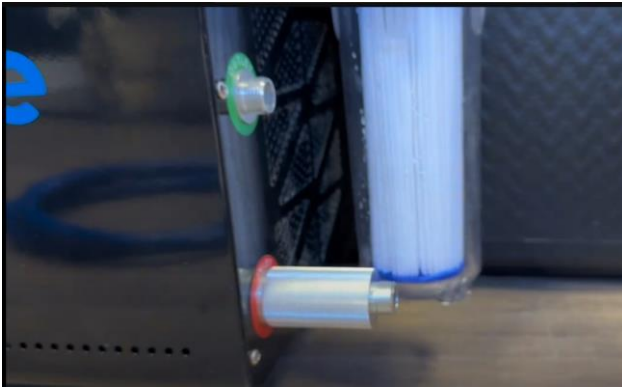
Locate the water strainer.



Thread the water strainer into the inlet (bottom) of the chiller.

Note: This filter needs to be cleaned weekly!

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Thread the strainer cover over the inlet filter.



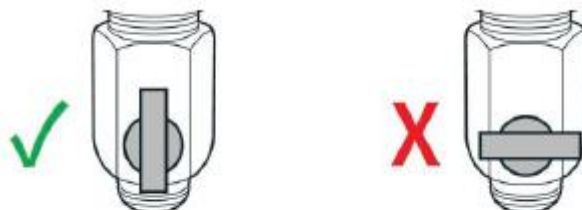
Connect the hoses to the chiller, ensuring there is a small washer in each end of the hose.



Connect the other end of the hoses to the plunge tub.

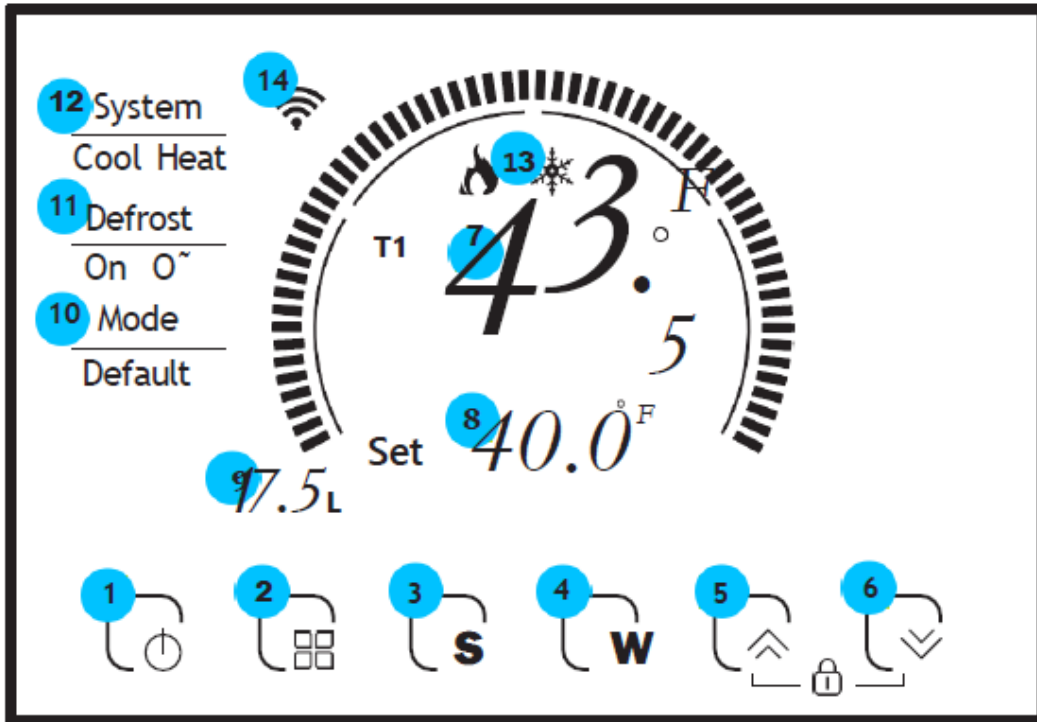
The hose from the outlet of the chiller will connect to the upper pipe of the tub and the hose from the inlet will connect to the lower pipe.

**Fill your tub with water until it is 3" from the top of the tub.
Once tub is filled, ensure the ball valves are in the open position.**



Coldture Water Chiller Installation

Control Panel



1 - Power Button

Press for 2 seconds to turn the chiller on or off

2 - Mode Button

Press for 5 seconds to switch between Fahrenheit and Celsius

3 - Setting Button

Press for 1 second to change temperature setting.

4 - WIFI Activation Button

Press for 5 seconds to engage WiFi set-up mode.

5 - Up Arrow

Press to increase temperature after pressing setting button.

6 - Down arrow

Press to decrease temperature after pressing setting button.

5&6 - Child Lock

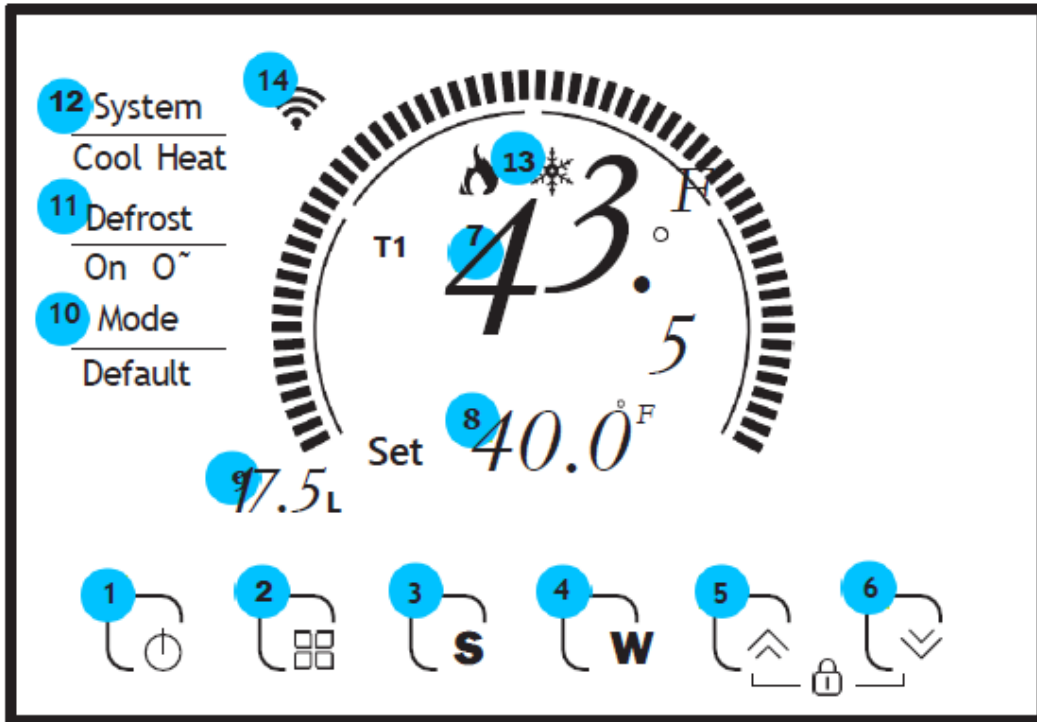
Press both for 5 seconds to engage child lock.

7 - Tub Temperature

Shows temperature of water coming from the tub.

Coldture Water Chiller Installation

Control Panel



8 - Set Temperature

Shows the desired temperature setting of the tub.

9 - Water Flow Indicator

Shows the water flow of the chiller in liters per minute.

10 - Mode Indicator

Shows mode chiller is operating in. ("Default" is normal function)

11 - Defrost Indicator

Shows if chiller is defrosting. Will display "On" or "Off".

12 - Cool/Heat System Indicator

Shows if chiller is actively cooling "Cool", "Heat", or on standby. (Blank)

13 - Compressor Status

Displays when compressor is running.

14 - WIFI Indicator

Shows WiFi status, Solid for connected, blinking for set-up mode. Blank for disconnected.

Coldture Water Chiller Installation

Connecting to the App



1. Download and install the Tuya Smart App by scanning the QR code or by clicking on one of the below links.

Apple:

<https://apps.apple.com/us/app/tuya-smart/id1034649547>

Android:

https://play.google.com/store/apps/details?id=com.tuya.smart&hl=en_US&gl=US

Important Note:

The Tuya smart system only works with 2.4 GHz wireless networks.

Many wireless networks utilize 5 GHz and may need to be configured at 2.4 GHz.

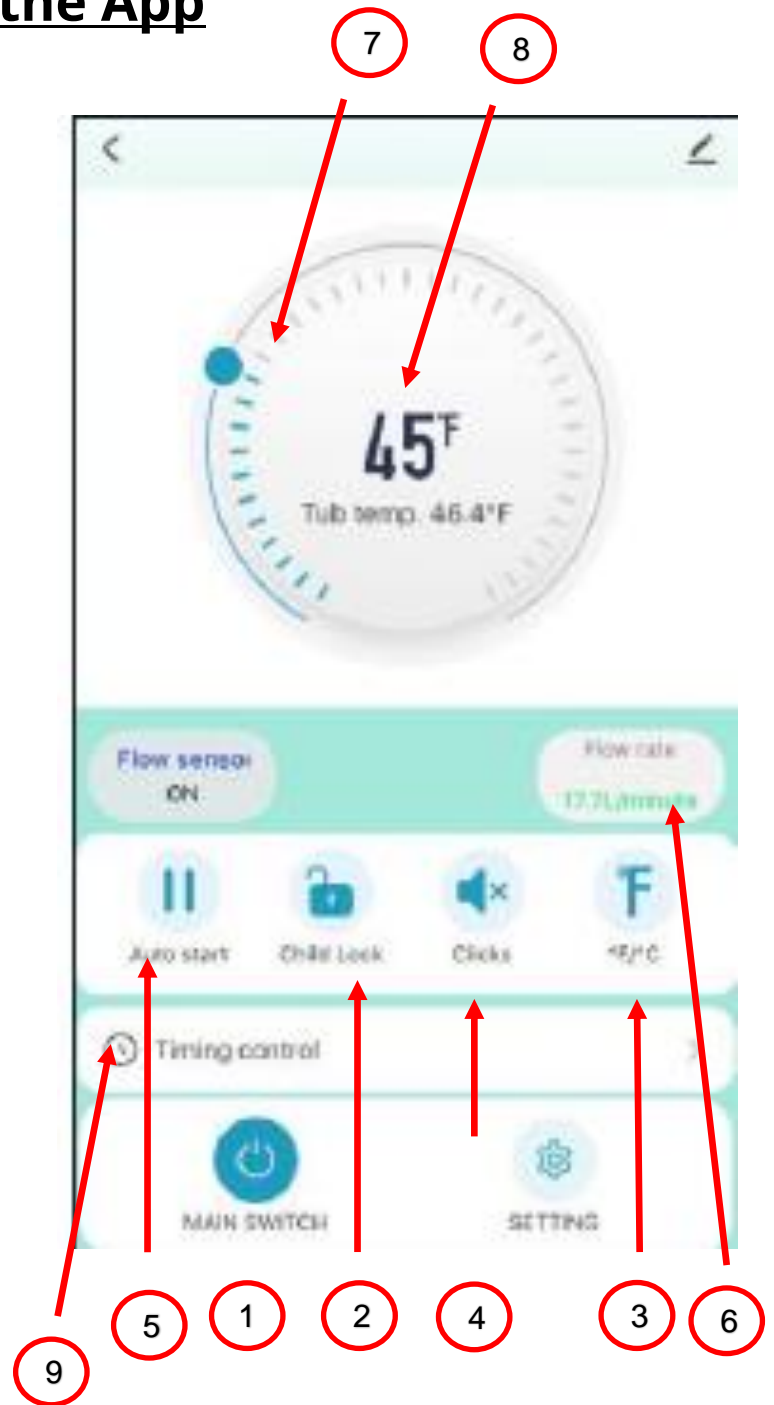
Please Contact the manufacturer of your Wi-Fi router for support on this matter if you experience issues.

- 1 - With the chiller on and the Tuya app connected to your Wi-Fi network, Press the "W" button for 5 seconds until the Wi-Fi indicator on the display flashes.
- 2 - On the Tuya app, select "Add Device" on the home screen.
- 3 - The app should recognize the chiller automatically. If not, from the menu, select "Small Home Appliance" on the left sidebar menu and then select Thermostat (Wi-Fi)
- 4 - Confirm the Wi-Fi network and password.
- 5 - The app will now connect to the chiller.

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Using the App

1. **Switch** - Turn the chiller On/Off
2. **Lock** - Touch panel Lock/Unlock
3. **Temperature** - Press to convert temperature units between Celsius and Fahrenheit
4. **Clicks** - Press to turn sound on/off
5. **Auto Start** - Press to turn auto start on/off. (If the auto start button is on, when local electricity shuts off and turns on again, the chiller will start to work automatically without press the switch button)
6. **Water Flow** - Displays the current water flow.
7. **Temperature Adjustment Dial** - Slide the dial to set the tub temperature. (3-42°/37-107°)
8. **Current Tub Temperature**
9. **Timer Control**- Schedule the chiller to turn On/Off





Coldture Water Chiller Installation

Maintenance

Initial Start-up of Cold Plunge Tub

- 1 - Fill the Cold Plunge Tub with Water.
- 2 - Add 6 grams (1/2 bottle cap) of oxidizer into the water. Wait 15 minutes
- 3 - Add 4 grams of sanitizer into the water. Wait 15 minutes before using the tub.

Weekly Water Treatment of Cold Plunge Tub

1 – Check the water chemistry.

Start by adding 6 grams of oxidizer for low volume (5 to 7 plunges per week) or 12 grams (1 full cap) for higher volume (7+ plunges per week) Wait 15 minutes. Immerse test strip to a depth of 6" for 2 seconds. Remove and shake to remove excess water. Wait 10 seconds and compare to color chart on the back of the bottle. If sanitizer shows below the "OK" range, add 2 grams of chlorine. Wait 15 minutes and test again. Repeat as necessary.

If Alkalinity, pH or Calcium are outside of desired range, balancers can be purchased. Of these, ph is most important to have in the right range.

2 – Check external water strainer.

Turn off the chiller and close the ball valves by turning them perpendicular to the valve body. Remove the bottom hose from the strainer cover. Check water strainer and clear of any dirt or debris and then reinstall strainer, cover and hose.

3 – Check water filter.

For optimal chiller performance, replace the filter monthly. To access the water filter, unscrew the filter housing. Clean or replace filter as needed. Empty filter housing of water and refill with fresh water. Screw filter housing back on using filter wrench if required.

Descaling

Turn the chiller off by toggling the power switch on the back of the chiller to the down "Off" position. Turn the valves on the tub to the "closed" position. Remove hoses from shut-off valves. Place both ends of the hoses into a bucket of distilled white vinegar and water at a 1:4 ratio. Turn the chiller on and run in heating mode for 30 minutes. Empty bucket and refill with clean water running chiller again for 30 minutes to rinse out any residue. Hook hoses back up to tub and enjoy.



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Draining and Storing the Chiller

1 - Turn the chiller off by toggling the power switch on the back of the chiller to the down "Off" position. Turn the valves on the tub to the "closed" position.

2 - Disconnect both chiller hoses from the chiller.

3 - Remove the water filter housing.

If the housing does not want to turn by hand, you may use the included filter housing wrench.

4 - Remove the water filter from the filter housing.

If the filter is still clean, you can keep it for future use.

5 - Remove the inlet strainer cover and strainer from the chiller inlet and store in a safe place.

6 - Carefully tilt the chiller to the side to drain any remaining water from the chiller inlet/outlet.

6. Attach the protective chiller inlet/outlet caps.

7. Insert a dry filter into the filter housing and reinstall the filter housing onto the chiller by turning the housing clockwise until it is hand tight.

NOTE: Do not store the chiller with a wet filter to prevent the formation of mold/mildew.

8. Store the chiller in a dry, sheltered area above 32°F/0°C.

WARNING:

The chiller must be used and stored above 32°F/0°C to prevent chiller damage. Chiller damage caused by freezing conditions is not covered by warranty.



WARRANTY

Dundalk LeisureCraft Inc. warrants our Cold Plunge Tubs against defects in materials and workmanship under normal/residential use for a period of 5 (5) years, as applicable, from the date of receipt of the product by the original end-user consumer.

This warranty does not apply to normal wear and tear and/or natural weather conditions. This warranty does not cover misuse or negligence and the manufacturer and associated retailers are not liable for any injury or damage caused by the product.

This warranty is a parts only warranty and any service or labor costs would not be considered as part of the 5-year warranty.



Please refer to owner's manual for the complete Coldture Chiller Warranty.

Purchaser Name: _____ Date: _____

Purchased From: _____