

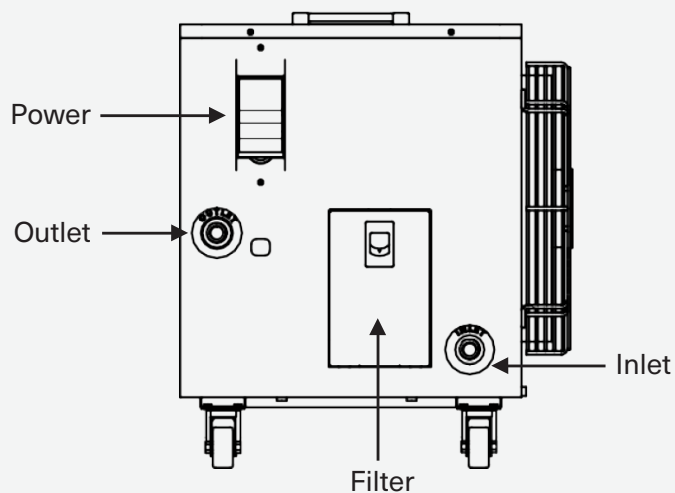
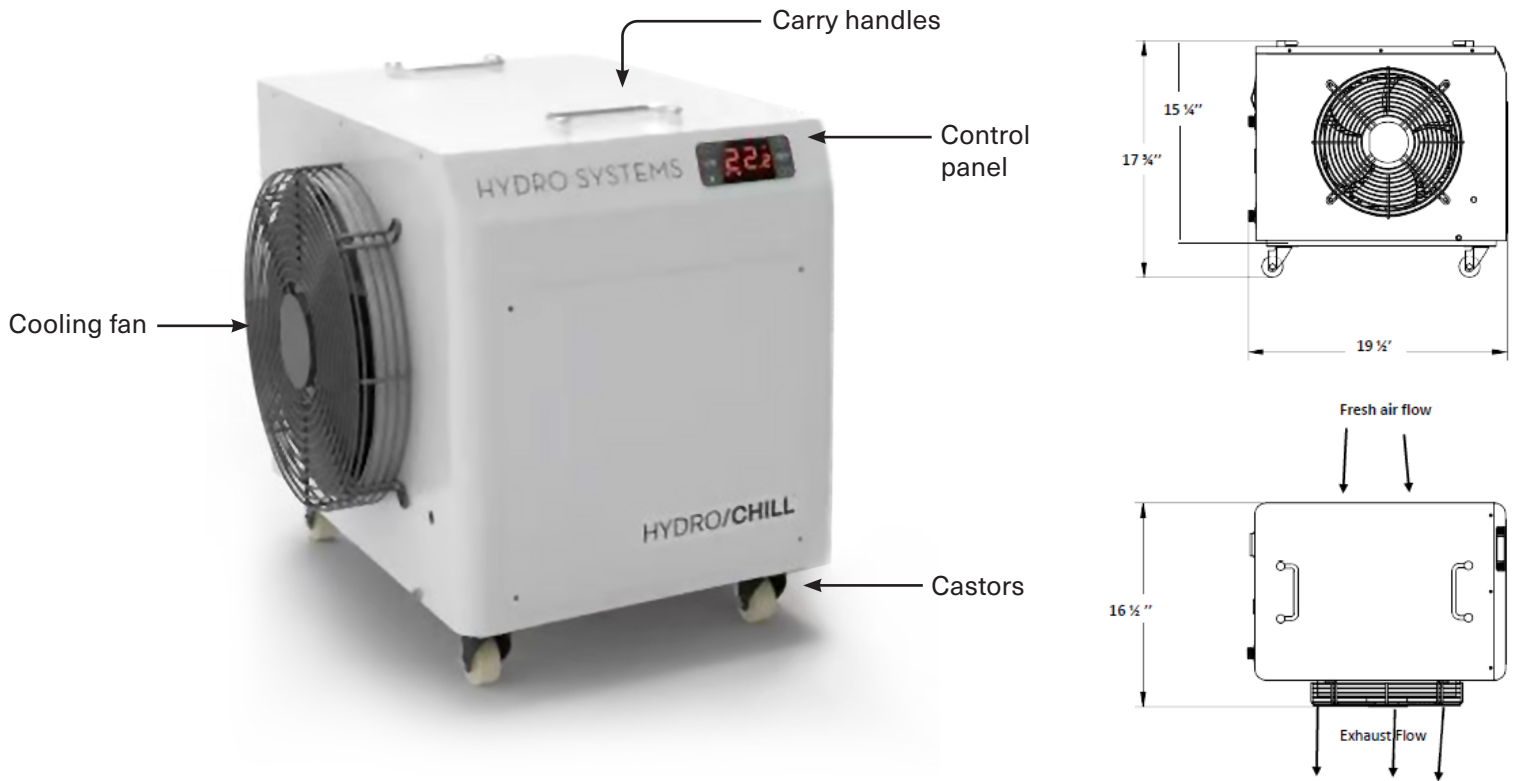
Hydro Chill Cold Plunge System

— INSTALLATION GUIDE —

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Overview of Hydro Chill Cold Plunge System

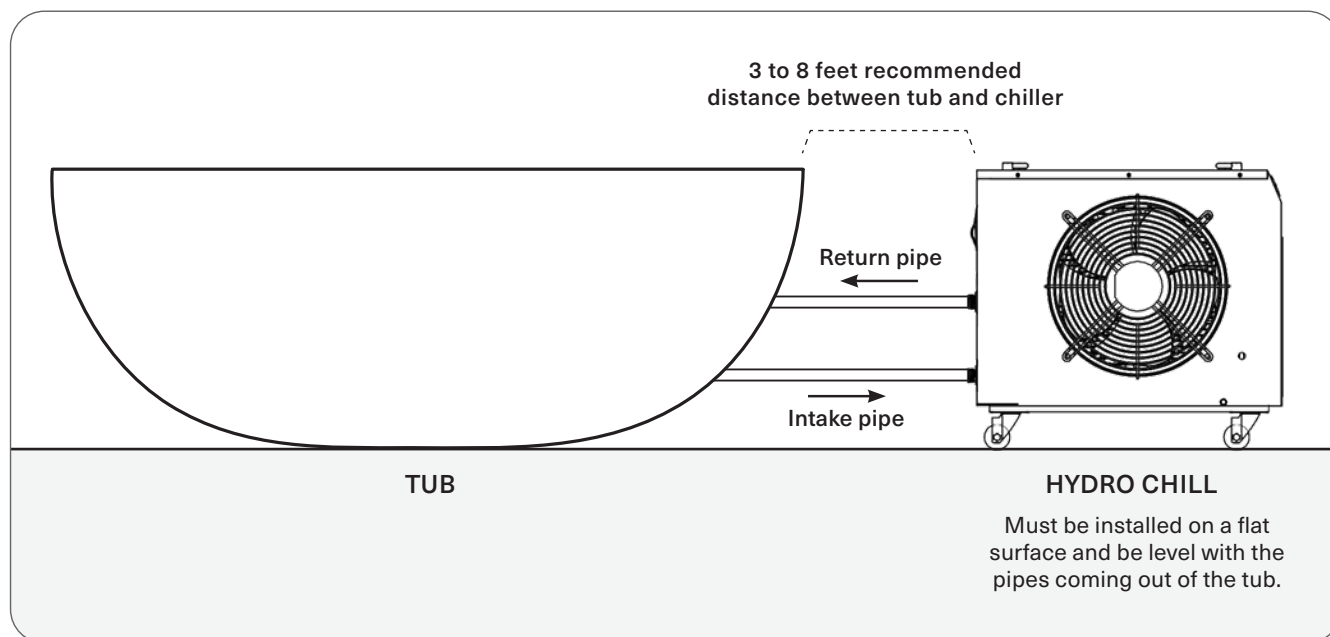


Hydro Chill Specifications

- Power supply: 120v 50/60Hz
- Input: 730W
- Cooling capacity: 1850W
- Working ambient temperature: 36–104 °F
- Refrigerant: R410A/R32
- Circulating pump: Built-in self-priming pump, 12–20 L/min
- UV ozone
- Remote control: via iOS/Android app, WiFi
- Running Noise: 52dB
- Plumbing connections included: slip x threaded couplings, slip x slip unions, 90° elbow fittings

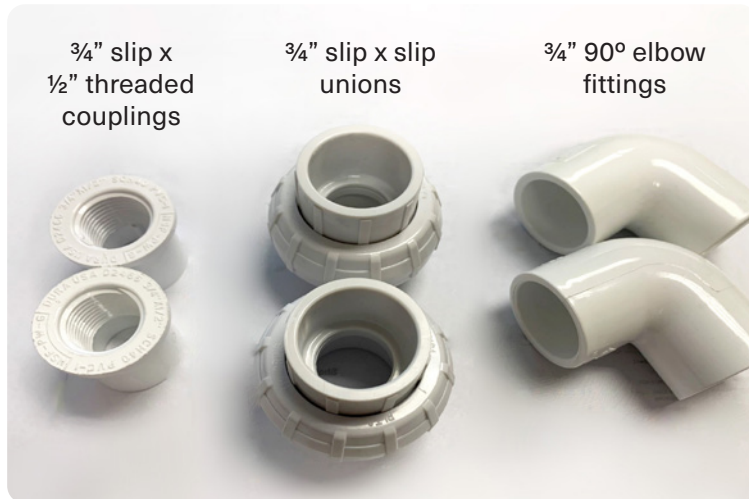
Installation and Plumbing

1. Your bathtub comes pre-plumbed and ready for easy connection to the Hydro Chill unit.
2. The Hydro Chill unit must be installed on a flat surface that is level with the tub and with the intake pipes coming out of the tub to prevent air locks in the waterline. It cannot be placed in a crawl space or basement.
3. Due to ventilation requirements and heat produced, you must leave proper room for ventilation. If you choose to install outside, you must place the chiller inside a suitable structure that will protect it from direct sunlight and precipitation, while still allowing for proper ventilation. For reference, a suitable structure can be 30"(l) x 30"(w) x 30"(h). Leave at least 7.5" of space in front of the fan and at least 6" of space around the other sides of the chiller. Place a suitable partition board to prevent the hot air from the fan reaching the air inlet holes of the chiller. Ensure all air inlet and outlet vents are not blocked or covered.
4. Ensure the air exiting the fan follows the same direction as the prevailing wind, especially when the chiller is installed outdoors.
5. For optimal performance we recommend placing the chiller no closer than 3 feet and no further than 8 feet from the bathtub. The further from the tub, the less efficient the chiller will be and the longer it will take to cool the water in the tub.
6. Place the Hydro Chill unit at approximately the same height as the bathtub's suction pipe. Connect the intake pipe to the Hydro Chill's inlet. Then connect the Hydro Chill's outlet to the bathtub's return port.
7. The chiller must be installed with a dedicated 120-volt 20-amp GFCI receptacle.
8. Connect the plumbing from the bathtub to the chiller following the steps outlined on page 4.
9. Once all the connections are made and the bathtub is filled with water, please use the control panel on the chiller to set the unit to your desired temperature.



Connection Guide

Parts (included)



Step 1: Apply Teflon tape to each port.



Step 2: Thread in the 3/4" slip x 1/2" threaded couplings.



Step 3: Glue in the 3/4" slip x slip unions into the threaded couplings. These can be used for a direct connection to the 3/4" pipes coming from the bathtub, depending on your install.



Step 4: If needed, glue in the 3/4" 90° elbow fittings into the 3/4" slip x slip unions. These can be used to connect the chiller to the bathtub, when it's placed on either side of the chiller.



Operating the Chiller with the Control Panel

The chiller can be operated via the control panel found on the exterior of the unit.

CONTROL PANEL



1. Turning the chiller on and off

Press the ON/OFF button to turn the chiller on or off.

When the chiller is turned on, the following systems will start to function:

- Compressor
- Fan
- Four-way valve
- Ozone
- Vacuum pump
- Water pump (one by one)



2. Setting the temperature

Press and hold the TEMPERATURE SETTING button to set the temperature.



3. Adjusting the temperature

Press the UP and DOWN buttons to adjust the temperature.



4. Locking and unlocking keys

Hold down the LOCK button to lock/unlock all keys.

5. Setting the temperature scale (°C/°F)

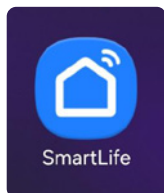
Click the TEMPERATURE SCALE button to switch between °C and °F.

6. Connecting to WiFi

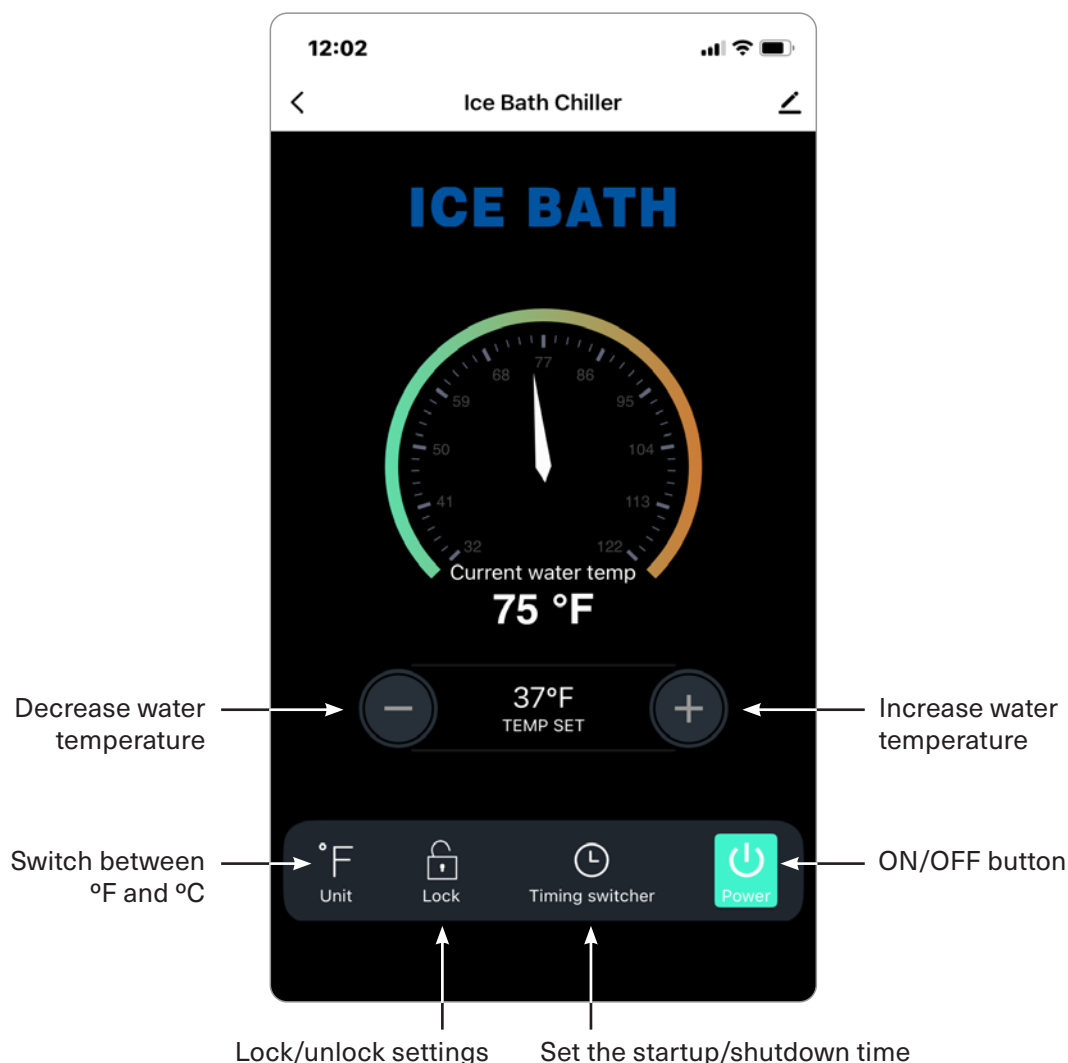
Long press the WIFI button until the screen's WiFi flashes, then connect using the SmartLife app.

Operating the Chiller with the SmartLife Application

Downloading and connecting the app



1. Download the “*SmartLife*” application. Log in to your account or create a new account.
2. When connecting the app for the first time, first make sure that the device is in the distribution network state. Long press “WiFi” under the main menu interface for 5 seconds until the WiFi flashes to find the network state. Display three states of app networking (*off, distribution, successful*).
3. Please make sure that your device handles “WiFi distribution status”, your phone is connected to a nearby WiFi, and turn on the Bluetooth function of your phone. Then open the “+” sign in the upper right corner to add the device, enter the WiFi password and click “next” until the addition is complete.



Error Messages and Solutions

Error messages will be displayed in the control panel.

ERROR MESSAGE	ACTION TO TAKE
T1 temperature sensor failure	Please contact Hydro Systems technical support
T2 temperature sensor failure	Please contact Hydro Systems technical support
T3 temperature sensor failure	Please contact Hydro Systems technical support

UV and Ozone Settings

Users don't need to adjust the UV and Ozone settings if the chiller is working well.

Caring for the Chiller

How to make your chiller operate more efficiently and have a longer lifespan?

The following tips can help make your chiller more durable.

Protecting the chiller:

- If placing the chiller outside, please place it under a canopy or shelter to protect it from the harmful effects of the sun, rain, and snow.
- Never put the chiller outside in temperatures below 34°F when it has water inside.

Water quality:

- Water should be clean, not polluted, of low chloride ion content.
- Pollutants such as sulfuric acid and sulfur oxides increase chlorine corrosion.
- The water's PH value should be between 7 and 9. A higher PH value may lead to scaling, even corrosion.

Cleaning:

- Always disconnect the chiller from the power supply before any maintenance or cleaning.
- Never clean the chiller with strong bleach-based detergents.
- Do not put corrosive disinfectants into the water, such as chlorine tablets.
- Don't spray water directly on the chiller.
- Please use a clean, soft cloth to clean the surface of the chiller.

Regular Maintenance

Regular maintenance and cleaning are necessary to remove any contaminants that the chiller and the water may have accumulated during usage.

Using the chiller without the mesh filter and cartridge filter will damage the chiller.

Drain outlet:

In the following situations, it is necessary to open the drain outlet and empty the water inside the chiller:

- The machine is not used for a long time (to prevent the deterioration of the water inside).
- The ambient temperature is below 34°F (to prevent water from freezing and damaging the internal pipelines).

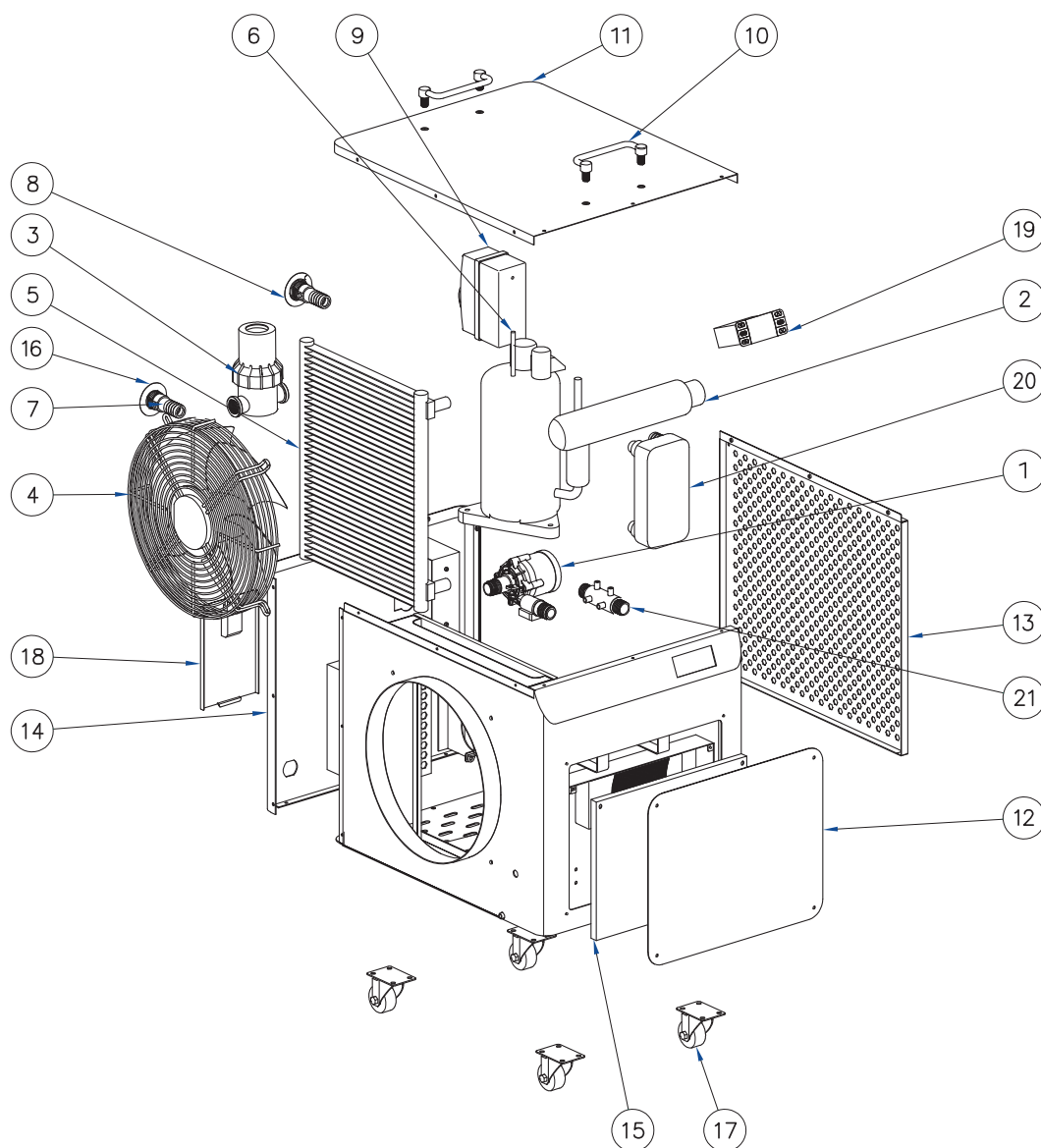
Hydro Chill Cold Plunge System 1-Year Limited Warranty

This limited warranty on the Hydro Chill Cold Plunge System is extended to the first user or the original retail purchaser for a period of twelve (12) months from purchase. This limited warranty is not enforceable by any other party.

HYDRO SYSTEMS, INC. warrants that the system is free from defects in the workmanship and/or materials. This limited warranty does not include any other items not manufactured by HYDRO SYSTEMS.

No dealer or other person has any authority to make any warranties or representations concerning HYDRO SYSTEMS, INC. or its products. Accordingly, HYDRO SYSTEMS, INC. is not responsible for any such warranties or representations.

Components



1. Water pump
2. UV disinfection tube
3. Filter
4. 250 axial flow fan
5. Condenser
6. Compressor
7. 4-inch tooth water inlet and outlet (custom-made)
8. Sticker (water outlet)
9. Leakage protector
10. Handle
11. Upper cover plate

12. Front door panel
13. Air intake plate
14. Side panel (detachable)
15. Electrical box cover
16. Sticker (water inlet)
17. Casters
18. Detachable cover plate (filter)
19. LED touch screen (control panel)
20. Plate type heat exchanger
21. Water knockout drum (aluminum)