

# EMPAVA

SPA

## MASSAGE BATHTUB

MODEL:EMPV-75CLF03



### Introduction

In order to use our products safely and effectively, please read this instruction carefully. Improper installation, operation and maintenance will cause the damage to the products and charge you extra repairing fee.

- Thank you for you to choose our massage bathtub series;
- We provide a lifetime warranty after-sale service, please fill warranty registration form accurately;
- If you need any help, please contact local distributor or our company directly;
- Our company reserve the right to change all the models listed in this instruction without prior notice;
- This instruction applies to the listed products as below.
- Because of the difference of the market requirement and individual custom product, please refer to the corresponding content in this instruction according to the product and its functions you choose. In this way, you can install and operate the product correctly.

● In order to install the product correctly and safely by the installer, and you can use and maintain this product correctly and safely, please pay much attention to the warning sign as below

The warning symbol's meaning is as below:

	This symbol indicates that errant handling after disregarding this symbol could result in personal injury or property loss.
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- In order to install, use and maintain this product correctly and safely, please read and understand this instruction totally.
- This instruction is a valuable source of product information to help the end user use the product safely and correctly. Please take good care of it and keep it from getting lost or soiled.

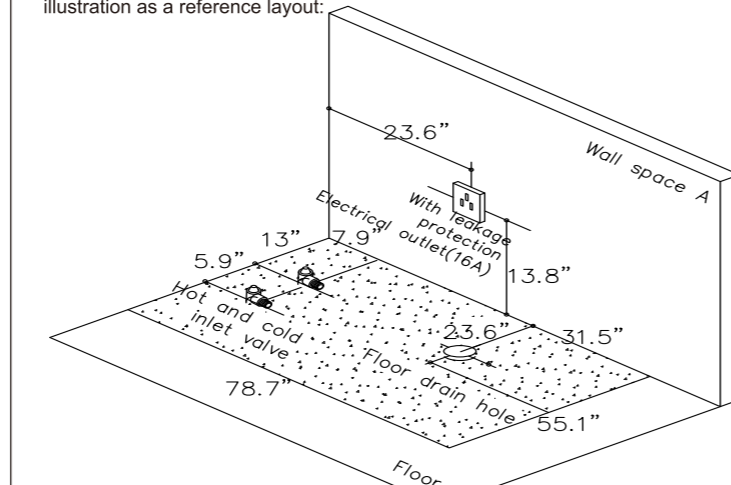
### Preparation before installation

- Make sure the place you install the bathtub is strong enough to bear the total weight of bathtub, maximum water volume and the user.
- Waterproofing process must be made in the place of bathtub installed, or down stair will get damaged if water leaks.

- The installed place must equip with water supply, power supply and drainage:
- This product uses universal home power.

	<b>Notice</b> *External circuitry need to equip with high sensitive and fast type leakage protection switch. (Induced current rating below 15MA, trip time should less than 0.1 second, rated current is above 30A.) * The product should be installed the grounding and electric leakage switch by a qualified licensed electrician.
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- Please reserve the drainage hole  $\geq \phi 50\text{mm}$ , make sure the drainage pipes accord with the water valve.
- User need to reserve the connectors of 1/2" external thread cold/hot water hoses, which outstand the wall 30mm. It is suggested to install a valve in each pipe, the location of installed should be designed by user, which is convenient for maintaining.
- As each bathroom or power and drain of each bathtub is slightly different, please place the bathtub according to the actual situation, the following illustration as a reference layout:



	<b>Notice</b> The safe distance between power supply and water supply should be not less than 30cm.
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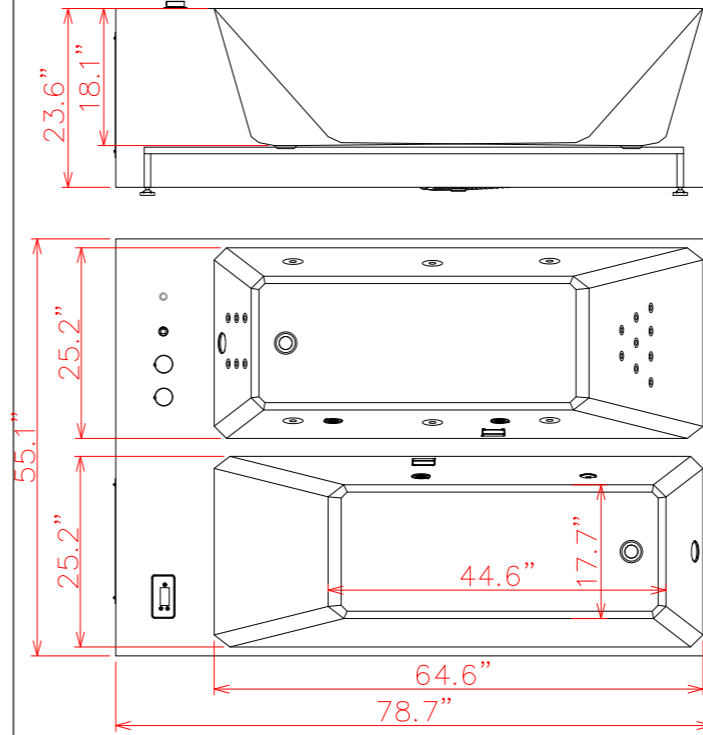
### Precautions for installation

- Please check whether all parts are complete. If you have any question, please give feedback to our company in time.
- After opening the box, please immediately dispose of unneeded packaging. Or it may cause the personal injury by the wooden frames, nails, cardboard or sealing straps which are placed carelessly.
- In addition, please do not let the children to play with the packing material. Or it will cause personal injury.
- Parts containing live parts, except parts supplied with safety extra-low voltage not exceeding 12 V, must be inaccessible to a person in the bath
- Earthed appliances must be permanently connected to fixed wiring
- Parts incorporating electrical components, except remote control devices, must be located or fixed so that they cannot fall into the bath
- Please do not use other power, except specified power Or it may cause fire or electric shock.
- Electrical leakage protection switch should be installed outside the bathroom. Or it may cause fire or electric shock.
- Do not use the broken power supply, power plug or the loose socket. Or it may cause fire or electric shock.
- Do not modify the power supply cord, use it with an extension cord or combine it with other equipment using multiple plugs. Doing so could lead to shocks, overheating or fire.
- Please make sure the power plug is waterproof protection with silicon. Or it may cause fire or electric shock by water infiltration.

- Before the installation finish, please use cardboard to protect the bathtub or it may lead the damage of the bathtub.
- Do not put the fire on the bathtub, such as a lighted cigarette, or it may lead the damage of the bathtub.
- Do not stand on bathtub while working. Doing so could cause one to slip and fall or could otherwise damage the product.
- Install securely, in accordance with the Installation Manual. Improper installation can lead to water leaks that damage or ruin household property.
- After finish the installation, the product should go into trial operation fully to check the installation is proper or not.

	<b>Notice</b> The red hose stands for hot water hose; the blue hose stands for cold water hose; Drain-pipe should be installed with slope above 1:50; Do not hold the drain-pipe and cold/hot water hoses when moving the bathtub, and do not crash it with hard objects.
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### Size chart



### Installation instruction

#### ● Inspection before installation

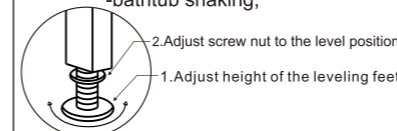
Although all our massage bathtub are water tested before they leave our factory, there may be some loose of the hose connections due to the transport. We need water test the product before installation. The steps are as follow:

- Place the tub on a flat surface in an area where it may be drained after testing. And adjust the feet to make the bathtub level;
- Check if there is any loose of all the connection system;
- Close the door, fill the tub with water to the overflow and allow standing for 10 minutes to inspect the tub for leaks;
- Insert the plug, start all the function for few minutes (which includes the functions of massage), inspect the tub completely any defect must be reported to your dealer/distributor prior to installation in order to have it covered under warranty.

#### ● Adjust the leveling feet

According to different sizes bathtubs, we design about several leveling feet to adjust the bathtub. Please use a wrench or level ruler to level the bathtub.

- Note: If the bathtub is not level, it may lead:
- noise increased;
  - remaining water in the hoses or the drainage;
  - bathtub shaking;

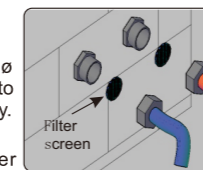


### Installation instruction

#### ● How to connect the water ?

For ease of use, our bathtub is equipped with stainless steel cold and hot water hoses (connector  $\phi$  1/2"). Please connect the cold and hot water hoses to the bathroom's cold and hot water hoses accordingly.

Before connect bathtub water inlet pipe, first open water pipe for a period of time, then put filter screen to ensure that the debris will not enter the bathtub pipe. So that we can effectively extend the life of the fitting.



The drain pipe is 31.5" long and the ground drain should be 12" – 20" away from the bathtub drain so that the drainpipe can form an S-bend for odor isolation. Insert the drain-pipe to the drain-hole on the floor, and then cover it with water retaining cover to prevent waste water spilling.

	<b>Notice</b> The red hose stands for hot water hose; the blue hose stands for cold water hose; Drain-pipe should be installed with slope above 1:50; Do not hold the drain-pipe and cold/hot water hoses when moving the bathtub, and do not crash it with hard objects.
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## Bathtub Temperature Control System

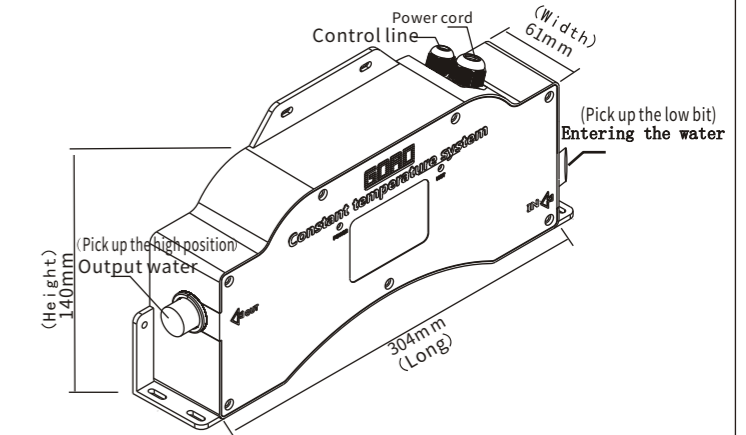
(Thermostatic Treasure)

### Installation And Use manual

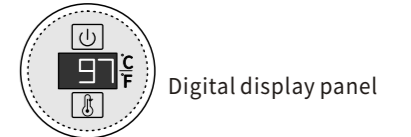
#### 1. Technical parameters:

- Power supply: AC110V+10% 50-60Hz
- Heating power: AC110V 60Hz 1.5KW
- Electrical strength: 1500V 1 minute
- Leakage current: <0.25mA
- Underwater lamp (optional): DC12V 10W

#### 2. Structure and installation dimension drawing:



#### 3. Description of the function of the panel:



**CAREFUL:** Any part of the touch panel is valid when "--" appears

#### 4. Operating instructions :

- Plug in the leakage switch and turn on the powersupply of the control system.
- Power on:** After the cylinder is injected with enough water level, touch the noodle box, the display screen lights up and circulates around. The micro water pump starts, the system enters the automatic detection, when the pipeline waterway is unblocked, The automatic detection is completed, the current water temperature is displayed, the system enters the working state, and the system is pressed system to operate at the set temperature.

**CAREFUL:** Before turning on the touch screen, sufficient water level must be injected into the bathtub, otherwise the micro water pump will run idle,

Description of possible codes that may appear after automatic detection:

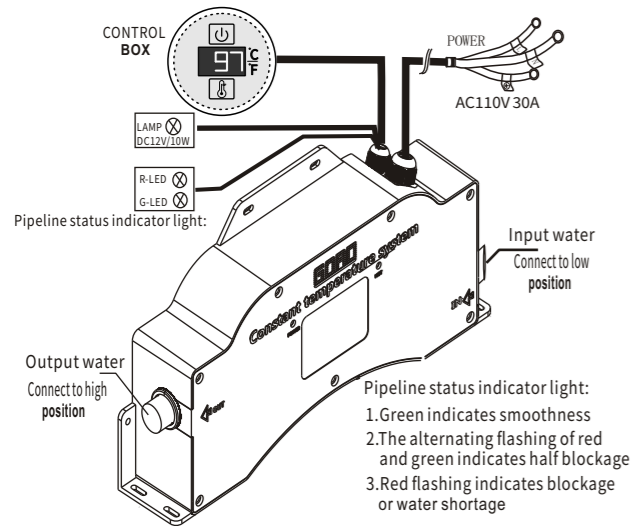
- E1--Indicates a lack of water in the cylinder or Severe blockage of the filter screen, causing the system to stop starting.
- E2--Indicates slow water flow and clogged filter screen. Please clean the filter screen.
- Hi--The water temperature exceeds 50 degrees, indicating high temperature.

- Underwater light function (optional): Press the power button to control the on and off of the underwater light.
- Constant temperature function: When the water temperature reaches the constant temperature state, heating Stops and the circulating water pump also stops working. When the water temperature is lower than the set temperature, the constant temperature system starts accordingly.

- Temperature setting: Temperature setting: Press And hold the power button "☺", and do not release it when the display screen shows "--". When the temperature display flashes, short press the power button "☺" to set the constant temperature (30-45 degrees), and the system will automatically save it after setting.
- The system will intermittently flash to display the set temperature, with a factory default of 40 degrees.
- When the water temperature exceeds 50 degrees, the display screen will show "Hi", indicating high temperature.

**5. Shutdown:** After pressing the power button again, the display screen will turn off, all functions will be turned off the circulating water pump will be delayed to shut down, and the whole machine will enter the machine state.

(5)Wiring diagram:



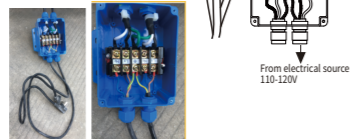
**BE CAREFUL:**

1. Strictly connect the inlet and outlet to the pipeline, and the inlet must be connected to a filter screen, otherwise it may cause system damage.
2. Connect the water inlet to a low position and the water outlet to a high position. The position of the bathtub water outlet must be higher than the machine's water outlet and have a height difference (more than 5cm) with the water inlet to facilitate pipeline emptying. Otherwise, there may be air in the pipeline, causing water circulation to fail and the system to fail to start.
3. Pipeline status indicator light (optional), green indicates smooth pipeline, alternating red and green flashes indicate semi blockage, and red flashes indicate blockage or water shortage. Please clean the filter screen and clear the pipeline.

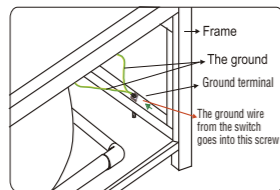
• How to connect the electricity?

User needs to purchase two separate 110/120V 15amp plugs and install the proper dedicated plug with a ground electrode to the power line. Then insert the plug firmly.  
 Note: This product uses universal home power. External circuitry is equipped with high sensitive and fast type leakage protection switch. (Induced current rating below 15MA; trip time should be less than 0.1 second; rated current is above 30A.)

**!** The product should be installed alongside ground and electric leakage switches by a licensed electrician.  
 Notice



Make sure the ground is connected. One side of the ground should be connected to the ground terminal of the motor and the stainless steel frame; the other side should be connected to the ground wires of the plug.



**!** The bathtub must be connected to the ground. The power outlet must be sealed well.  
 Notice Make sure the surface of each wire is intact.

# ICE BATH CHILLER USER MANUAL



1. Product overview  
 YSZY-02 temperature controller is developed for small chiller user menu and manager menu, temperature control, compressor start delay protection, fault code alarm. Convenient and fast operation, stable and reliable performance.

2. Specification and size
- 1) Installation dimensions:
  3. Technical parameters

- 1) Temperature measurement range: -50°C ~ 99.9°C;
- 2) Temperature measurement accuracy: 1°C;
- 3) Display resolution: 0.1°C;
- 4) Temperature control range: customer requirements;
- 5) Refrigeration relay output: 20 A;
- 6) Power supply voltage: 220VAC / 110VAC (optional) 10%, 50 / 60Hz;
- 7) Complete machine power consumption: <3W;
- 8) Working environment temperature: 0°C ~ 55°C;
- 9) Storage temperature: -25°C ~ 75°C;
- 10) Relative humidity: 20% ~ 85% (no condensation);

4. Light symbol and status description

Pilot lamp	State	Meaning
Refrigeration indicator light	bright	Refrigeration
	dodge	Pressure machine delay
Set the indicator light	bright	set state

5. Management parameter table

Menu	Menu description	Set the scope	Default	Unit
St	Temperature setting point (shutdown temperature)			°C
F1	return difference	1 ~ 10	2	°C
F2	base measuring temperature	-10 ~ 10	8	°C

6. Key function

Key name	Action	Keynote action
↑	up-regulation	Press and respond
↓	down-regulation	Press and respond
⏻	Startup & Shutdown	After 3 seconds

Key operation  
 Temperature setting: press / key, SET indicator light is on, press / key, enter the temperature control setting;  
 After 3s, save the set temperature and return to the measurement and control state.  
 Parameter setting: under measurement and control state, press + for three seconds, enter the manager menu, press ⏻ enter parameter, press / key, F1~F2 set in turn.  
 Unlock: the button will automatically lock for one minute without operation, and long press ⏻+ for 3 seconds to unlock.

If distribution network: long press ⏻ to display OFF, press the + 3-second displays screen to enter the distribution network state and automatically exit after the distribution network is successful.

7. Description of the control output  
 Refrigeration:  
 Normally:

The cabinet temperature is higher than the temperature setting value (the temperature setting value corresponding to Set) + control return difference (F3), and the compressor starts output after the minimum interval operation;

When the cabinet temperature is lower than the temperature set value (the temperature setting value corresponding to Set), the refrigeration is closed.

When the sensor fails:  
 After the cabinet temperature sensor fails, stop the compressor for 30 minutes, open the compressor for 15 minutes, and cycle in turn.

Note: The minimum interval of compressor startup is calculated at the first time after the controller is powered up.

8. Alarm:

Alarm code	The reason for the alarm
E 01	Sensor failure
HHH	High temperature alarm
LLL	low-temperature warning

9. Safety rules

- ★ Danger:
  - 1) Strictly distinguish the sensor lead, power cord and output relay interface, do not misconnect, the relay is not overloaded;
  - 2) Wiring must be connected without connecting the power supply.

★ Warn:  
 This machine is prohibited in water or excessively humid environment, and in high temperature, strong electromagnetic interference and strong corrosive environment.

- ★ Pay attention to:
  - 1) The power supply voltage shall be consistent with the voltage marked on the machine, and ensure the stability of the power supply voltage;
  - 2) To avoid possible interference, it is recommended to keep the sensor lead at an appropriate distance from the power line.
  - 3) When installing the evaporator sensor, the sensor should be close to the copper pipe 5 cm away from the entrance of the evaporator, and ensure that the sensor has good contact with the copper pipe;
  - 4) When removing the sensor, push the tail of the sensor down slightly.

## Massage start switch

1. Product function:

- (1) Underwater light function;
- (2) pump function;

(3). Water pump water shortage protection function (optional)

2. Technical parameters:

- (1). Power supply: AC90V--240V 50-60Hz
- (2). pump power: AC110V 1500W
- (3). Dielectric strength: 1500V for 1 minute
- (4). Leakage current: <0.25mA
- (5). Underwater light load: DC12V 10W
- (6). Waterproof level: IPX5

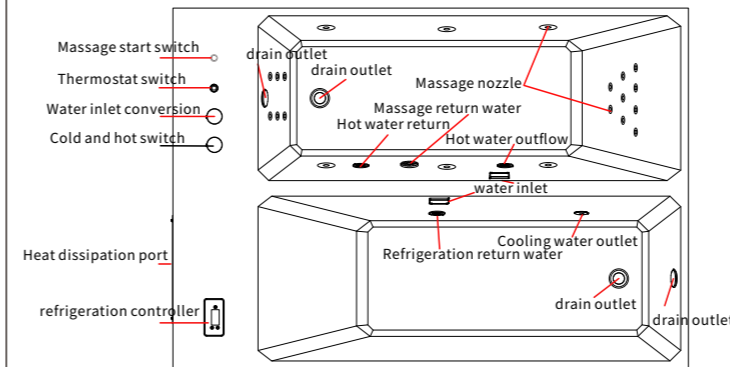
3. Panel function description:

The following three types of switch panels can be optionally configured by customers, and the function output according to customer requirements:



4. Operating instructions:

Press this key to start the output, the indicator light will be on, the water pump or air pump will start, and the underwater lamp will start. Press this key again to turn off all functions, and the indicator light will be off.



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