

welldana®



pool spa sauna wellness

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User Manual




Foto: Model 61-092005.



Subject to function and product changes.

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Issue 1 06 – 2020.

Language: English 

Preparation Before Installation

1. Before installation, please get ready for the water supply, power supply and the drainage pipe in the installation position according to the water and electrical installation diagrams. The water pressure shall be 0.2 - 0.6Mpa; and the water supply shall apply to G1/2" hose screw connection for cool and warm water. The diameter of the drainage pipe shall be 1 1/2" (40mm). As to the electric data, please refer to the electrical parameter's nameplate on the product.
2. Prepare following tools before installation: Cross screwdriver, Straight screwdriver, Level and Spanner.

Safety Precaution



1. Please note that this bathtub is only for indoor installation.
2. The product may not be used by children, the sick and lack of the experience. Children can use under the supervision of the parents.
3. The earthing device must be permanently connected to the fixed-line.
4. If there are some electric products around bathtub (such as hair dryer, etc.), please fix them well to avoid falling into the bathtub.
5. Ensure that the installation in the correct area and long-term stable work.
6. Ensure that the Leakage protector (RCD) must be included in the fixed wiring according to wiring rules.
7. For your health and long-term use of the product, please use new plumbing to connect the device, the old hose will not re-use.
8. If the wire is damaged, it must be replaced by the manufacturer, service agent or the qualified personnel in order to avoid danger.

Maintenance Instruction

1. Maintenance of the chrome hardware: Lightly clean the hardware with soft cloth each week, do not use coarse cloth.
2. Do not place the product in insolation or freezing cold.
3. Clean the product with soft cloth soaked with cleaning agent. Do not soak with acetone, ammonia, or organic solvent cleaning agent. If disinfection needed, do not use formate and formaldehyde to protect the acrylic part.
4. Maintenance of the tub: If any scar in the bathtub, polish with No.2000 water sandpaper, then renew it with toothpaste and soft cloth
Sharp hard objects impact is prohibited.

Installation Procedures

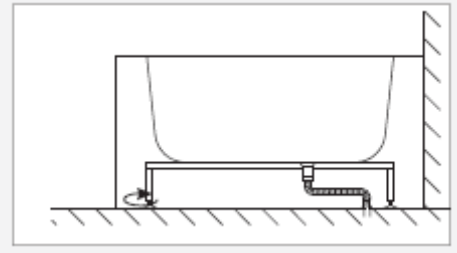
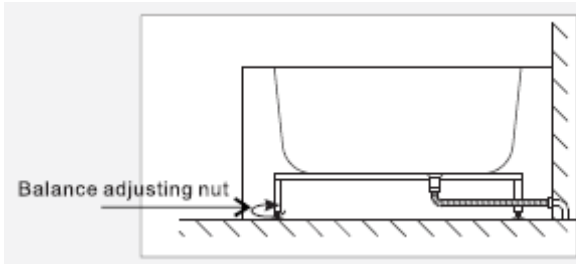
The product of all components are standard parts. Installation, please refer to the product water and electrical installation diagrams and the electrical parameters nameplate.

1. Confirm the installation position

Place the bathtub in the installation position, adjust the level of the bottom of the nut to enable the bathtub to remain horizontal. (Refer to the below diagram)

2. Drainage connection

Put the 1 1/2" drainage hose, which in the bottom of the bathtub, into the drainage hole in the ground or in the wall, then fix it with water-proof tapes or silica gel. Please don't bend or cross the hose in order to avoid affecting the drainage effect. (Refer to the below diagram)

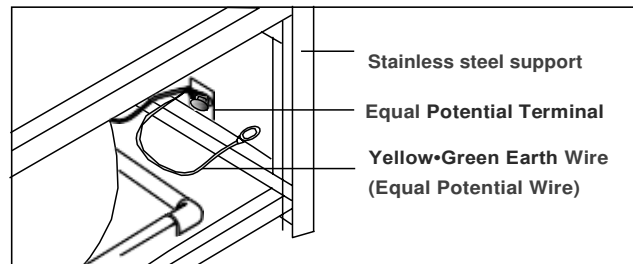


3. Cold pipe and hot pipe connection

Cold and hot pipes are high press reticulated pipe, please connect connectors according to the signs on the end of the pipe. (Note: Must install a valve on the cold and hot pipe, respectively.)

4. Power Connection

Connect the power wire to an all-pole disconnected RCD and keep it from any water. Please pay attention to the Yellow- Earth Wire (Equal Potential Wire) on the stainless-steel support, it must be firmly connected to the Earth Wire in the Users' house.



5. Clean, Check and Test

After finishing the above procedures, please clean up the bathtub and remove all the dirt (Turn on the drainage and clean up the bathtub with water). Then, turn off the drainage, switch-on the waterfall intake, check if there is any leakage in the bathtub. When water reaches up to the water level detector, press 0 button to start the water pump and check every function of the product.

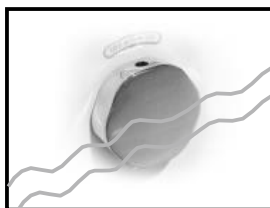
Drainage usage



Clockwise moving drainage valve

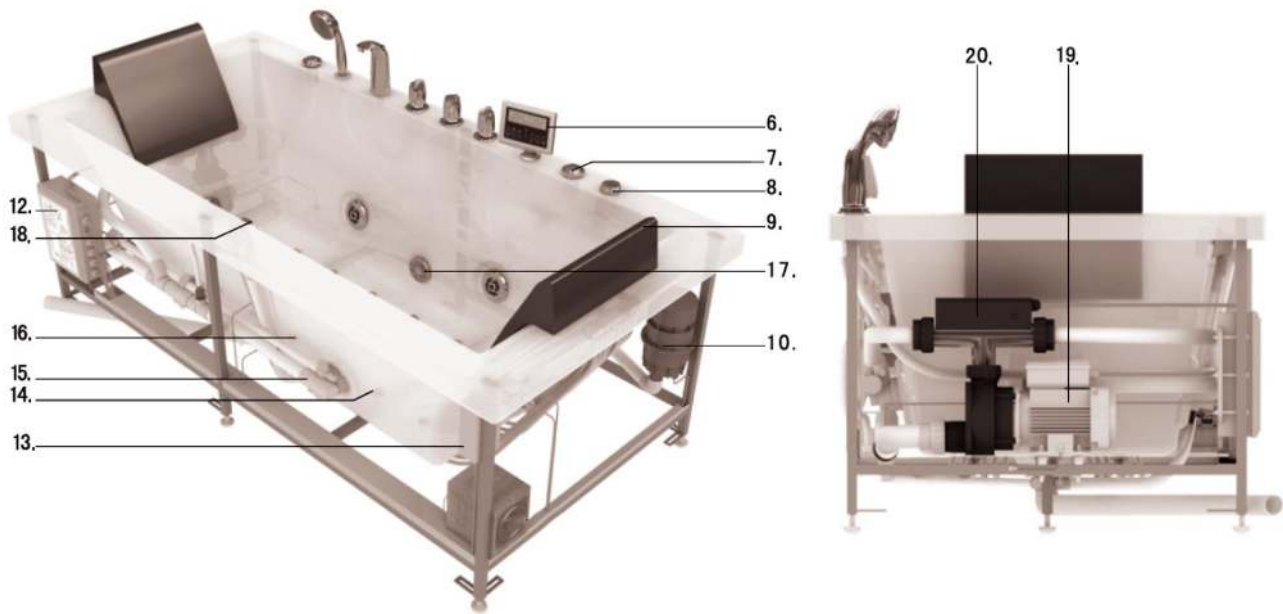


Counter-clockwise moving drainage valve



When the water in the bathtub overflows the middle of the drainage valve, the surplus water will flow out through the hole in the drainage valve. Please pay attention to the pictures. When using the bathtub, the drainage is tuned off and the side with the hole is downward.

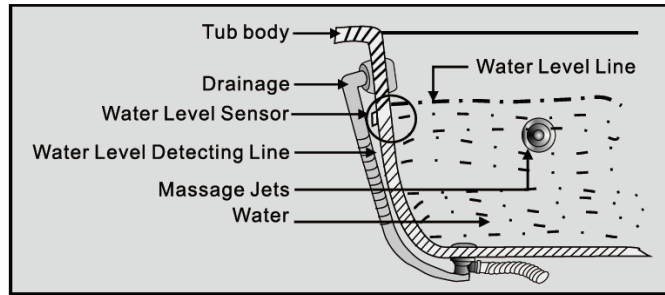
Manual for AA-07HFC Computer Control Panel



6. Computer Control Panel: luxurious enjoyment of bathing; The multi-function can be controlled through its advanced system, with LCD screen displaying the working condition , function and operation of the massage bathtub, allowing you to fully enjoy the hydro massage and entertainment functions.
7. Waterpower Control: The adjuster to regulate the size of the nozzle outlet switch, moving clockwise twist, the water increases, moving counterclockwise twist, then the nozzle to reduce water
8. Check Valve: To effectively prevent the water in the massage bathtub from flowing backwards to the air pump, which avoid leakage.
9. Pillow: a special design for physical structure of body.
10. Air Pump: a power supply for the bubble massage.
12. Main Control Box: It is the heart of the computer control panel and the comprehensive functions.
13. Ozone Generator: To supply ozone disinfecting for the massage bathtub.
14. Bubble Jet: The air pump produces a powerful air blowing into the massage bathtub through the bubble jets, bringing you fashion and free enjoyment bubble bath.
15. Big Jet: Switch on to produce surf massage and powerful water. It is applicable to traditional hydro massage and large area muscle massage, to give vitalized massage to well-developed muscles, such as leg.
16. Drainage
17. Water-in net: It is the entrance of the water cycle when the water pump is working. It can prevent like hair, towel and so on entering the water cycle system. If there is blockage backwater network, affecting water flow into the pump, the water pipe will suck air through the air pipe connected to the water-in net, in this case, the water pump will stop working automatically. the pump will restart automatically until the blockage removal.
18. Drainage Switch
19. Water Pump: a powerful energy supply for the surf massage.
20. Thermostat : As the temperature of water in the bathtub may vary as time passing-by, rising or falling significant with the change of season , the massage bathtub is developed with a device to keep the constant temperature of water in the bathtub. The temperature of water may be preset according to the need of user, to allow user to enjoy the fun of bathing with constant temperature. The thermostat heats up the water to the preset temperature by the following two methods: auto heating if the temperature of water in the bathtub is lower than the preset temperature ; auto switch-off if the temperature of water is higher than the preset temperature

Water level detector

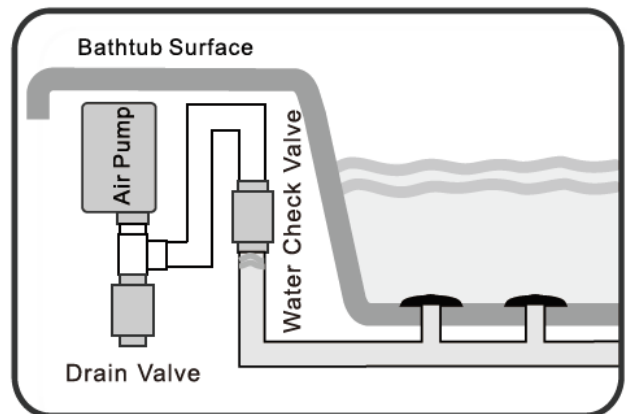
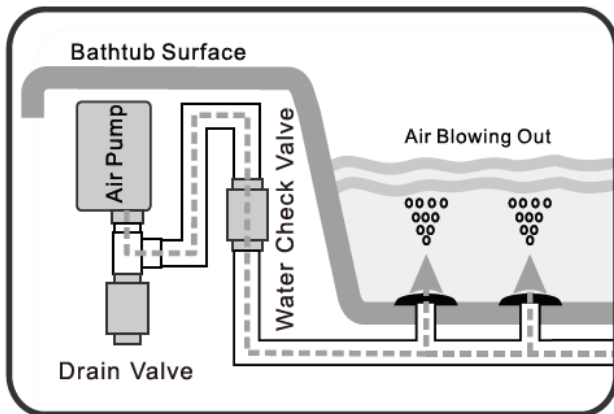
Each model of computerized controlled massage bathtub with metal water level sensor. The pump starts work only after the water in the tub reach the water level probe (Please see the water level line in the diagram)



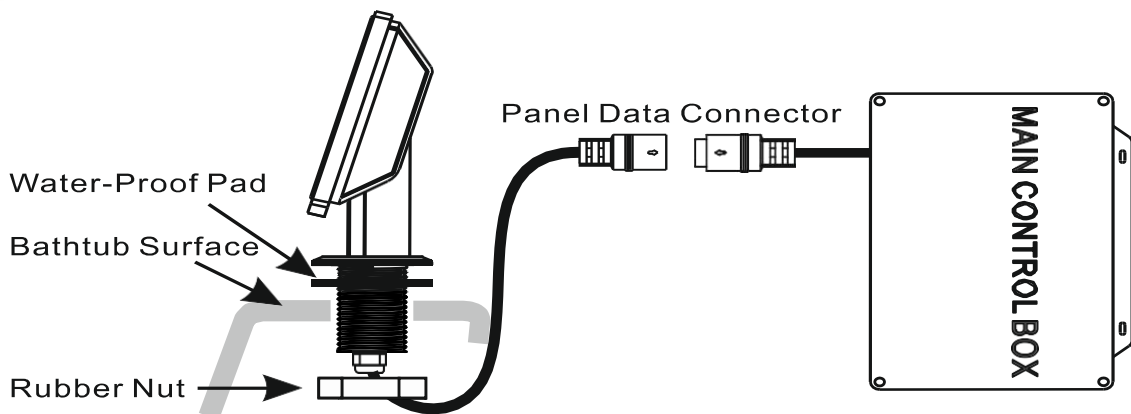
A bubble bath safety protection function

The bubble bath function opens. pump running. the air pressure. make it through the pipeline to bubble bath nozzle, produce bubbles in the bottom of a cylinder, the following figure.

The combination of water stop valve and drain valve to prevent the cylinder internal waters by bubble bath pipe pour back into the pump, the pump leakage and damage.



Installation Diagram for Computer Control Panel



Function Description for Computer Control Panel



1.ON/OFF

Pressing the button on the panel or remote controller under the power on status, the system starts working and turns on all the functions of the panel, displaying the temperature, pressing the button again to turn off all functions.

2.Surf massage (water pump)

Under the state of enough water, pressing button to start the surf massage function, the LCD screen display mark. Stop this function by pressing the button again. (warning: under the lack of water status , the LCD screen flashes mark, do not start the water pump function)

3.Bubble massage(air pump)

Under the state of enough water, pressing the button to start the bubble massage function. The LCD screen displays mark. Pressing the button again to stop the function. If under the air pump working status and the system getting to lack of water state ,or start the air pump under lack of water state, the pump will be shut down.

4.Under Water Light

Turning on the surf massage or bubble function, the under water light turn on simultaneously (turn off is the same theory) .Under the lack of water status, air pump will work 10 minutes, under water light can not work. Pressing the button to turn off the under water light.



5.Ozone Pasteurize

Pressing the **O₃** button to start the ozone function and automatically stops in 15 minutes, the LCD screen displays mark and the remaining time of ozone function, pressing the button again to stop ozone function.

6.Constant temperature

Under the state of enough water ,pressing the button to start the constant heating function, the screen will display , pressing the button again to stop the function. When the water temperature is lower than the system' setting temperature (35℃) , the constant heating bar will start to heat the heater, when the water temperature reaches the setting temperature , the constant heating bar will stop hearing the water. The constant heating function can not be start in the case of lack of water, and if the function has been started, it will automatically stop) . . Within two seconds after pressing the constant heating function, when the symbol of constant temperature flashes ,or pressing the **SET** button for the third time under the constant temperature started, then press the button or to set constant temperature. (system setting temperature 40℃, setting range 15-45℃) . Note: if the water temperature is equal to the setting temperature or higher , this function can not work.)

10.Lock

Pressing  button three seconds, after hearing ticktack, the controller's button released, Pressing this button three seconds again, after hearing ticktack, all buttons locked. If no touch within 5 minutes, the buttons will be locked automatic. On the screen will display  .

Safety precautions.

On the steel frame for the hot tub there is a bolt with extra ground conductor yellow / green wire for extra ground protection / potential equalization. This must be connected to ground.

The electrical installation to which the hot tub is connected must be grounded and connected to HFI / HPFI. Wiring to the hot tub must be performed by an authorized electrical installer and in accordance with applicable norms and regulations.

Warnings:

- Danger of drowning! Make sure children are not allowed into the hot tub without permission and supervision.
- Do not remove the suction cover as otherwise there is a risk that body parts and / or hair may get stuck in the suction. This is because the suction in the hot tub is sized to the water flow that the pump creates. If it is necessary to replace a suction or the pump itself, make sure that the new parts are suitable for the water flow in the hot tub. **NEVER** use the hot tub if the suction cover is broken.
- Risk of electric shock. **NEVER** place electrical appliances (e.g. telephone, radio, lamps or television) within 1.5m of the hot tub.

Personal security.

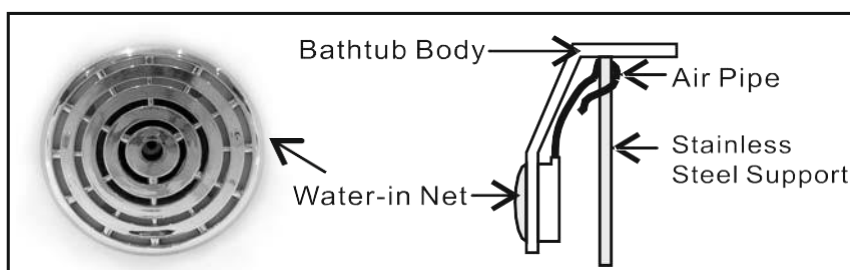
- The water temperature in the hot tub should not exceed 40 ° C. A water temperature in the hot tub of between 37-39 ° C is considered safe for the adult without any health problems.
- Do not go directly into the hot tub right after exercising hard, or when consuming alcohol.
- People with heart disease, diabetes, high or low blood pressure, illnesses requiring medical treatment, as well as pregnant women, children and elderly people should consult their physician before going to the hot tub.
- It is recommended not to stay in the hot tub for too long, as prolonged exposure to high temperatures may result in elevated body temperature. This can cause symptoms such as dizziness, nausea, drowsiness, and decreased alertness, which can at worst lead to drowning.

Long-term stays in the hot tub can be harmful to health.

The suction in the hot tub is provided with a vacuum function which will prevent permanent suction against the suction cover.

(Function) When the flow of the suction is obstructed, the vacuum of the suction is replaced with air, thereby losing the water flow in the water massage pump. The water flow resumes automatically.

The air pipe (air hose) must always be tightened up under the vessel edge.

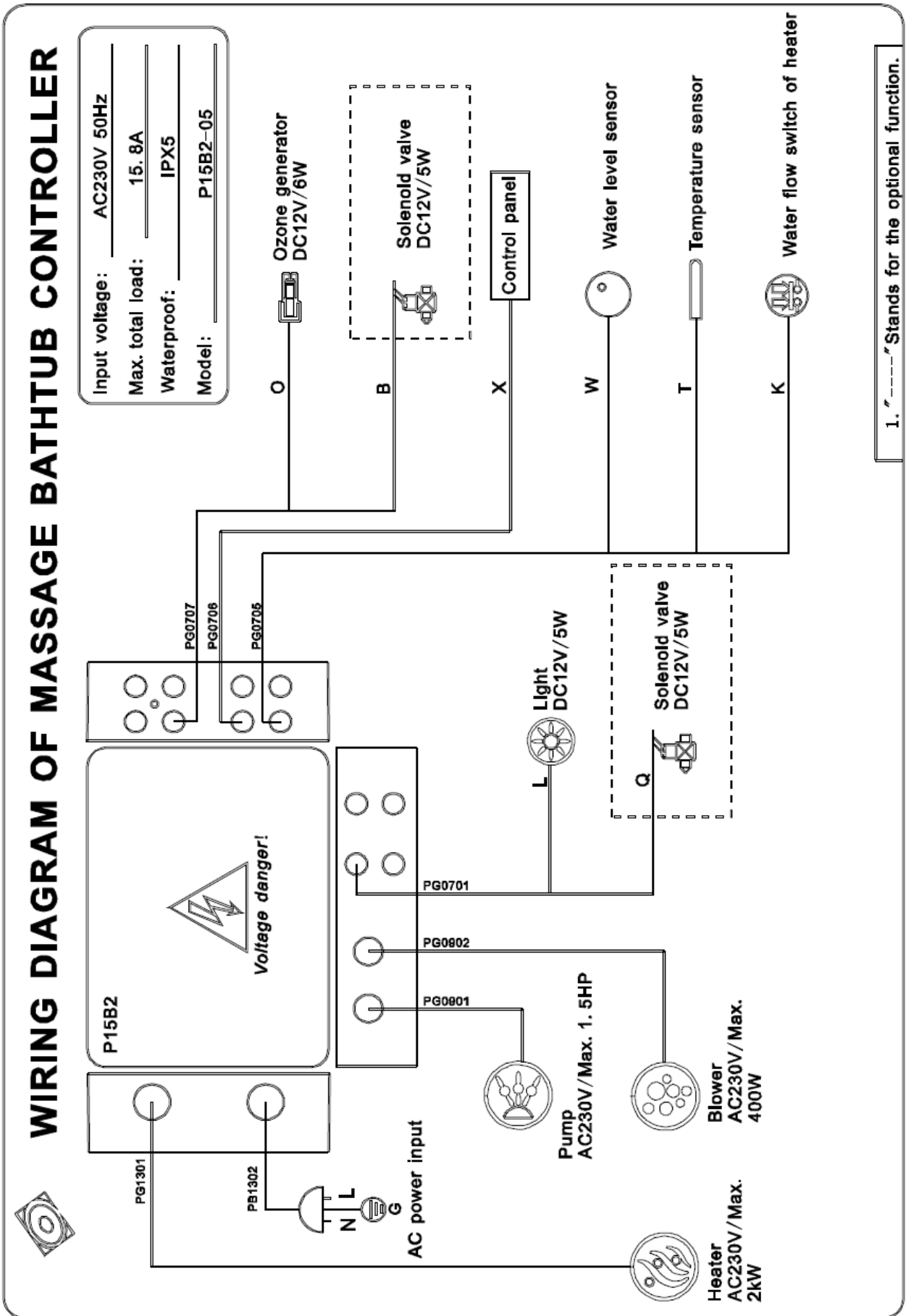


Repairing Tips

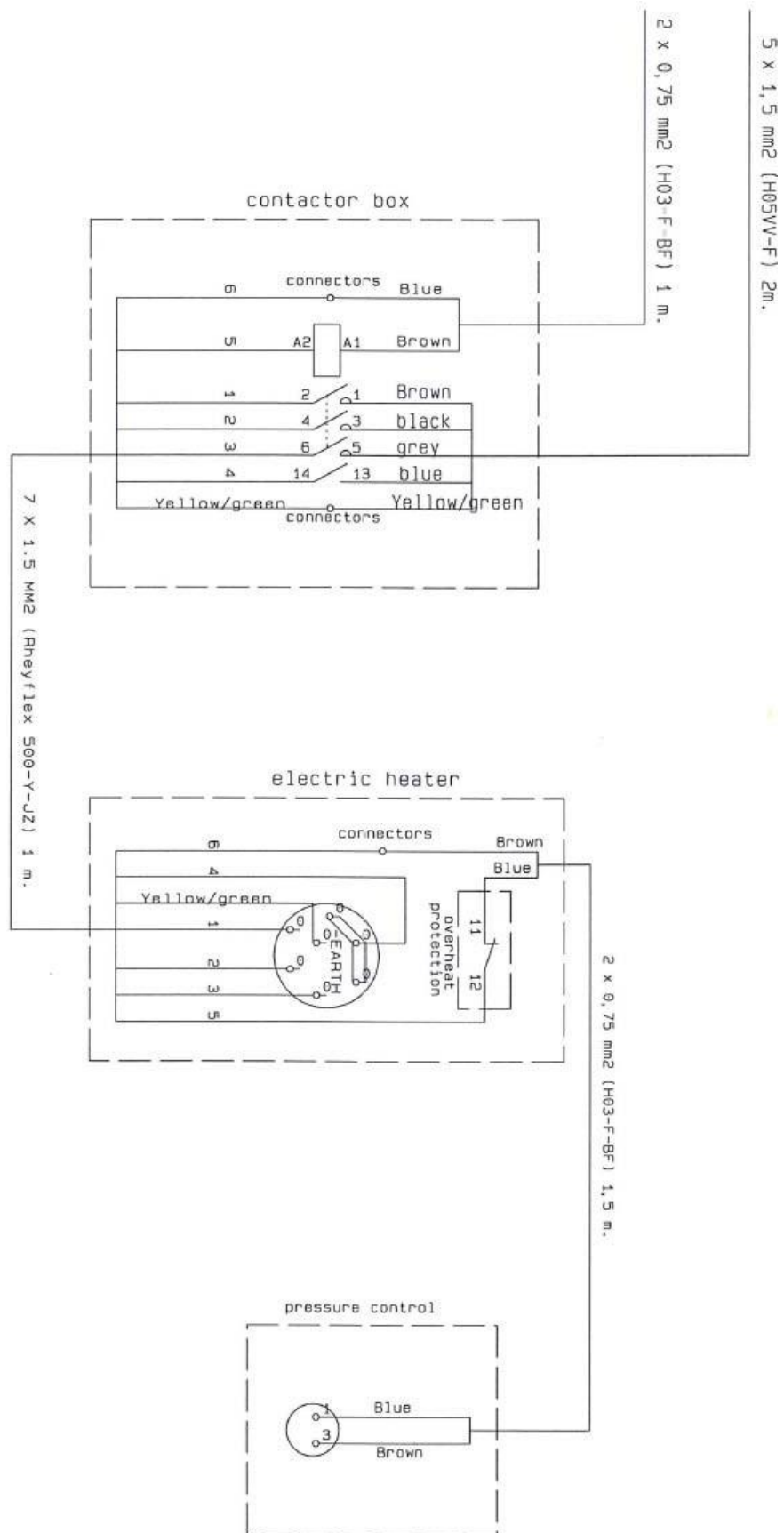
Problem	Reason	Settlement
Power on failures	RCD is power off, power supply is not connected ,electric control box is not the normal power suppl.	Check connected to the power.
	The connection between the electric control box and the control panel are not well connected.	Check the connector and connect.
	The fuse of the main control box is burnt.	Replace the fuse and try again .
	The computer control panel is damaged.	Replace the computer control panel and try again
No Light	The connection between the electric control box and the underwater LED light are not well connected t; The fuse of the main control box melt.	Check and connect; Replace the fuse.
	The underwater LED light has fault	Replace the underwater LED light.
Out of Control	Power supply interrupts during the work time.	Disconnect the total power and restart.
	The connection between the electric control box and the control panel are not well connected.	Well connect the main control box with the control panel.
Water Pump Fails to Work	In lacking of water.	Check the water level detecting probe and make sure it has been well connected; Make sure the water in bathtub is over the water level sensor.
	Blocked impeller and air in the pump.	Cleaning and changing the impeller.
	The key of the computer control panel doesn't work.	Replace the computer control panel.
Waterfall or Handheld Shower flow out less water or no water	The switch is not in position or the water pressure is too low.	Replace the switch or increase the water pressure.
	The water pipe is blocked.	Remove the blockage.

Note: If the problem remains unresolved according to above guidance , then please contact the local dealer or our Service Department.

Connection Blueprint for AA-07HFC Computer Control Massage Bathtub

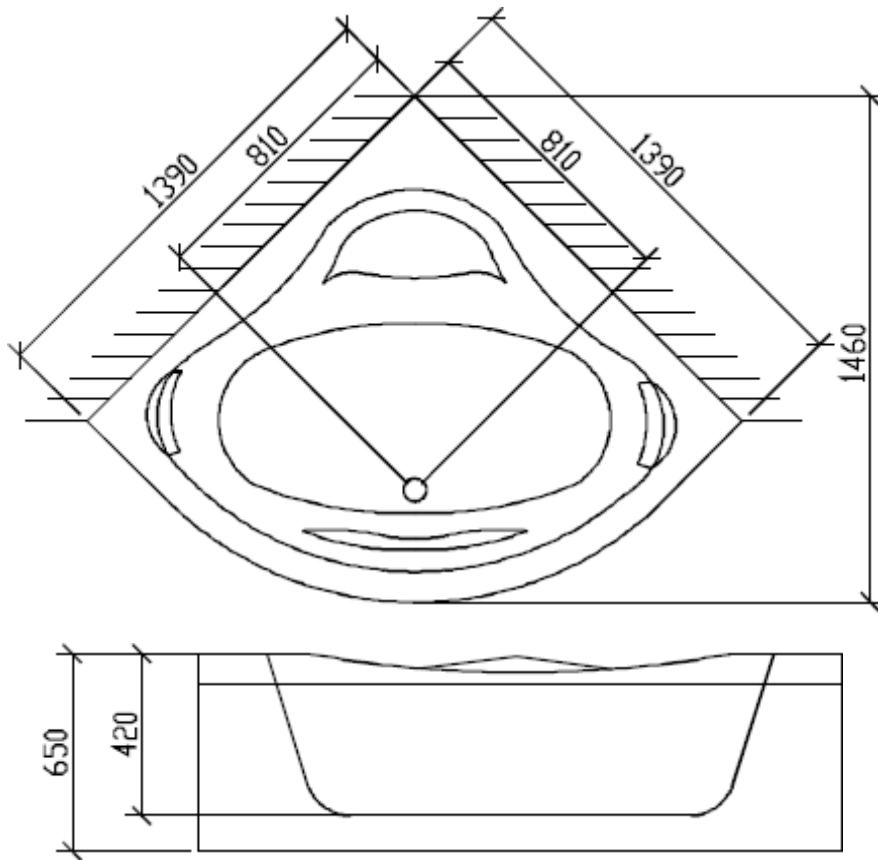


6 kw electric heater with pressure switch & relay box.

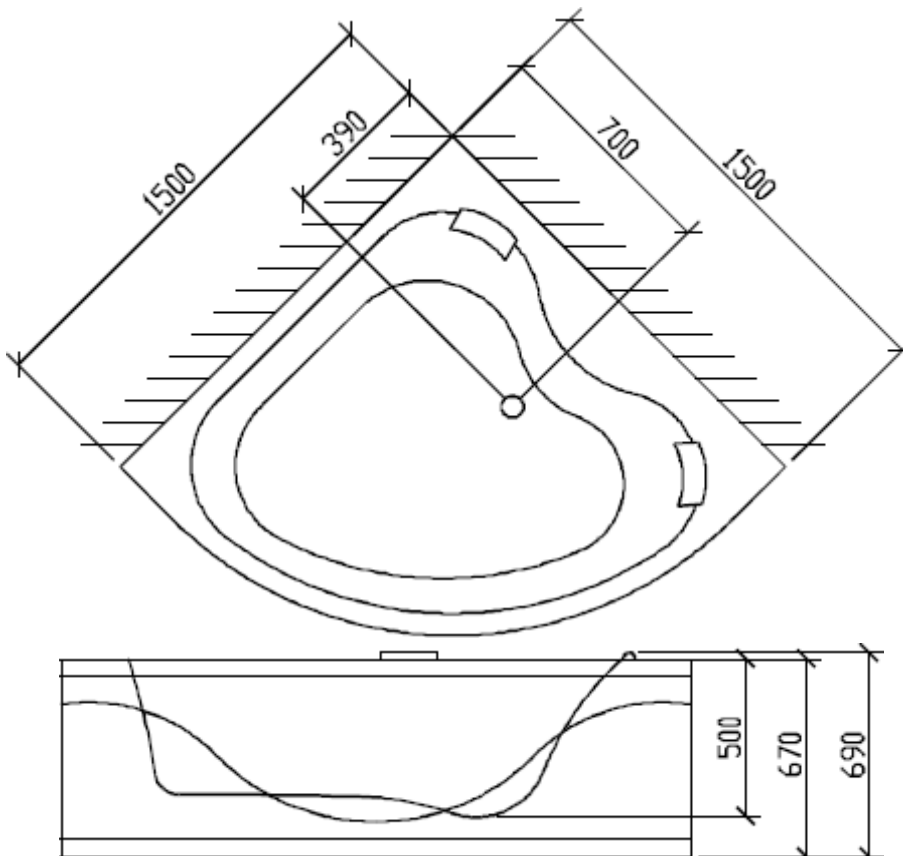


Measure sketches.

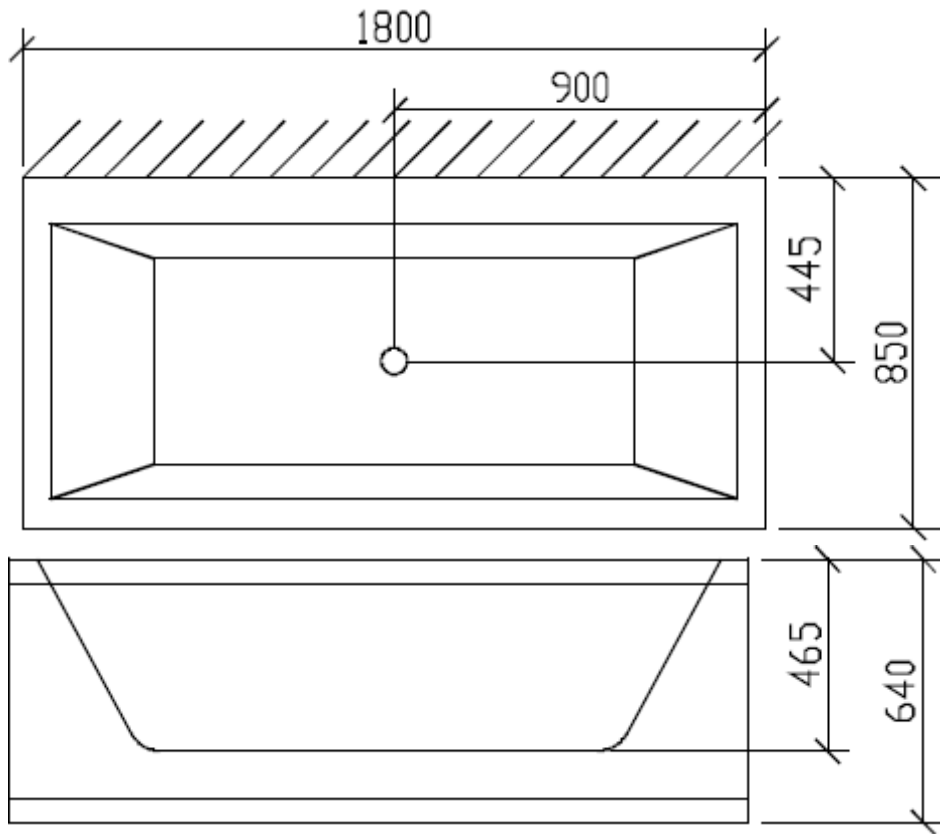
Bathtub 61-091001.



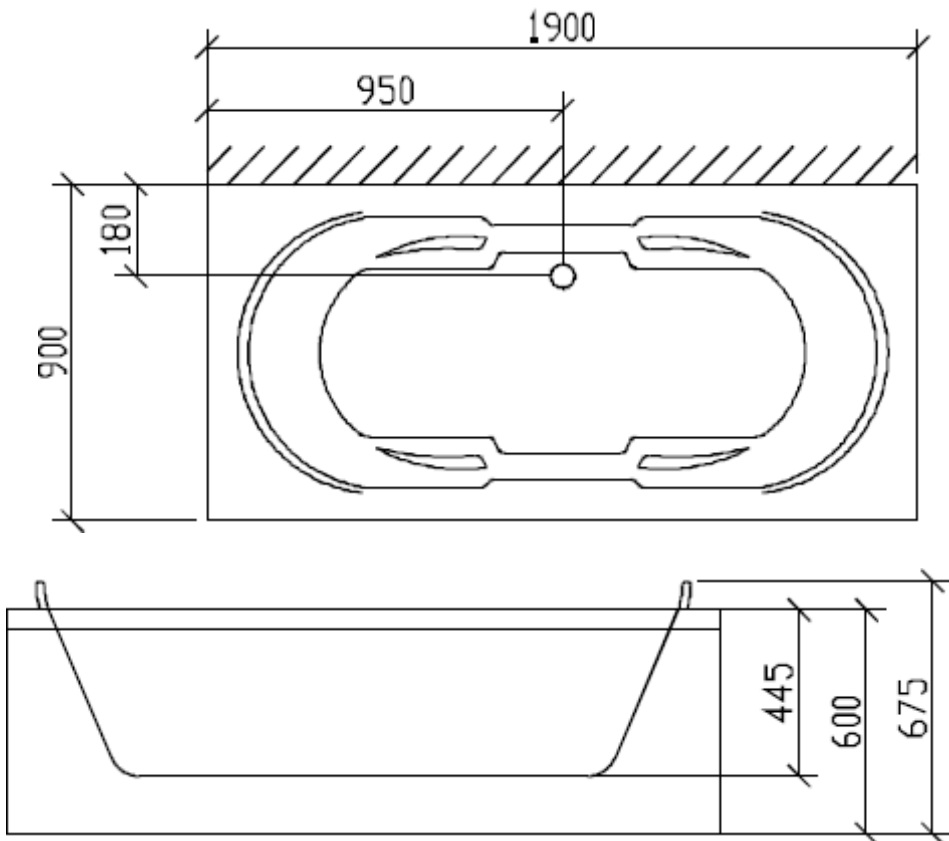
Bathtub 61-091003.



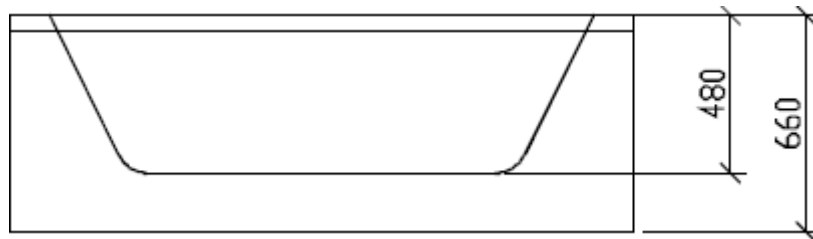
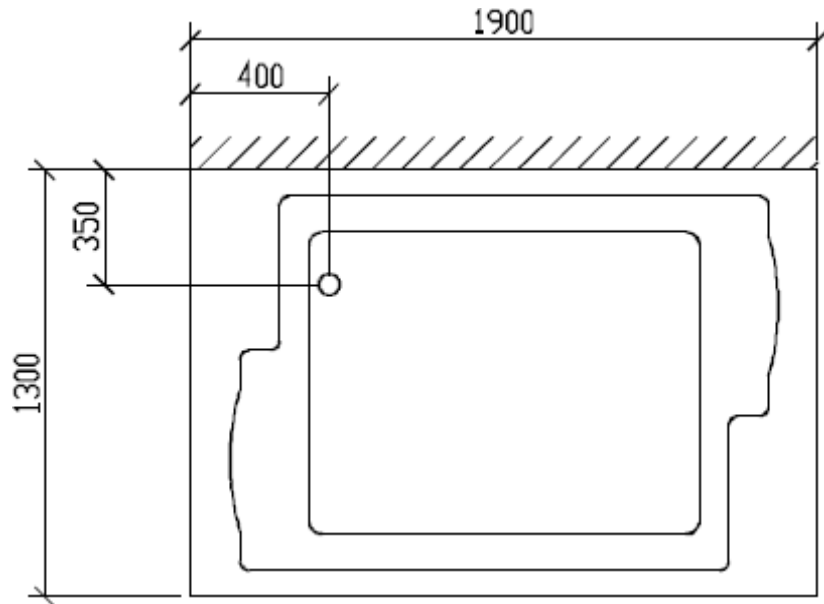
Bathtub 61-091002.



Bathtub 61-091004.



Bathtub 61-091005.



Dealer.