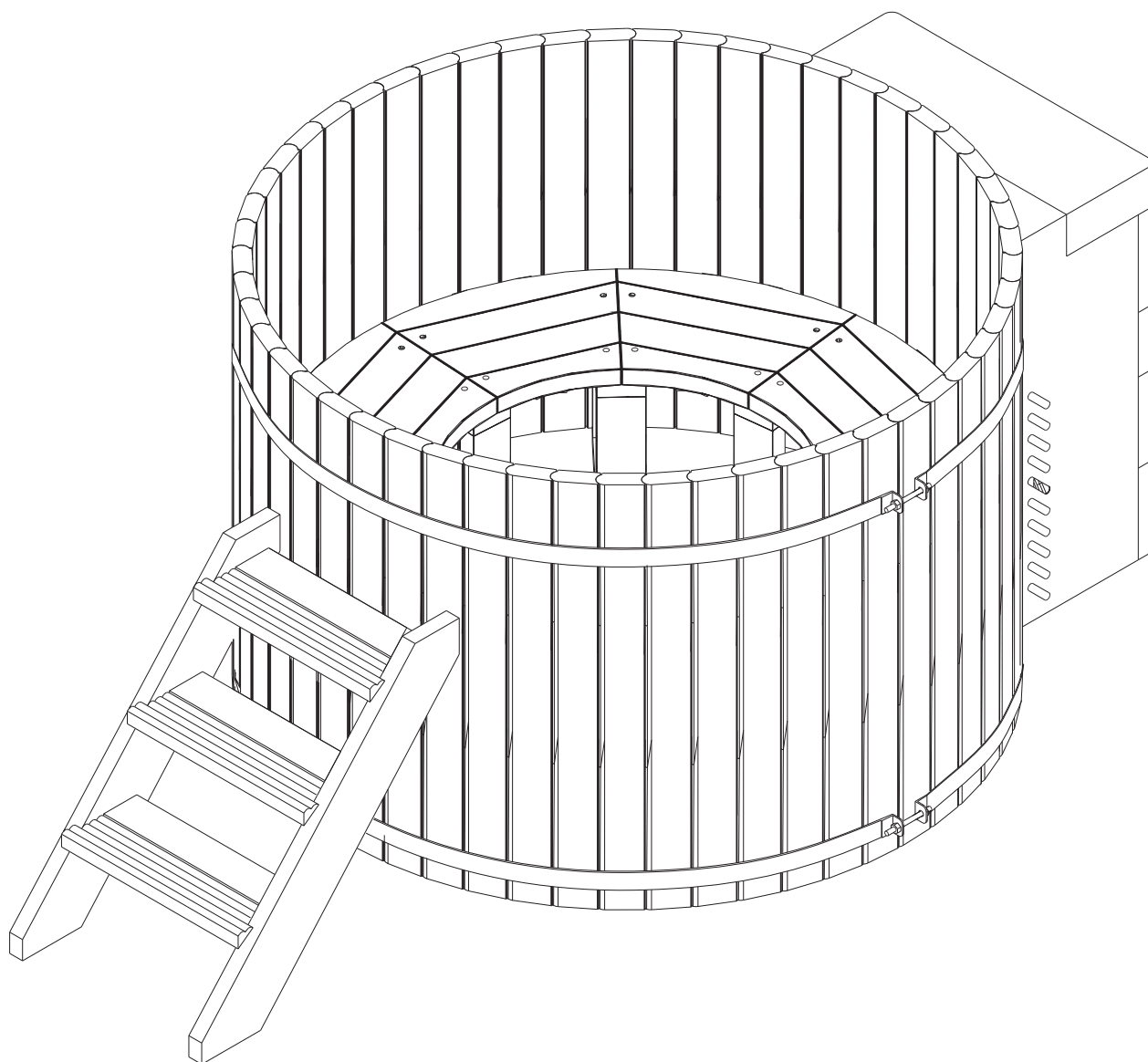


BARREL SPA MANUAL



Contents

- ◆ Installation Guide
- ◇ Safety Instructions
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- ◇ Function Descriptions
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Barrel SPA Barrel -- Safety instructions

◆ Safety instructions

Read Before Use

Thank you for your purchasing our featured round SPA barrel. Correct installation and maintenance will enable longer service life of SPA barrel, please read through the Manual carefully.

I. Warning marks



Danger



Caution

II. Note

1. NEVER disassemble the control box because of high voltage and, if any doubt, consult with licensed electrician for daily maintenance.
2. NEVER make modification to any equipment of the barrel without prior permission from manufacturer or distributor.

III. Instructions

1. The barrel shall be repaired by licensed electrician recognized by manufacturer or distributor, or otherwise manufacturer would not bear any loss thereby.
2. The manual is for reference only. The specifications may be updated without prior notice. Manufacturer shall reserve the right to interpret the manual.

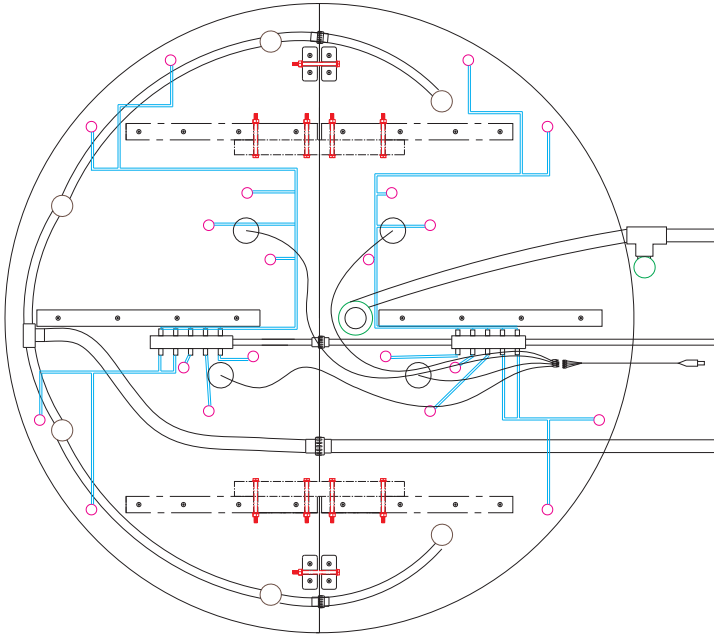
IV. Safety instructions

1. Consult doctor before use if you are a pregnant, have a history of heart disease, high and low blood pressure and circulatory system disease.
2. Never allow a child use the product alone. To prevent accident, children should use the product under adult supervision.
3. Rationally control product usage time while using the barrel since long-term exposure to high temperature will cause body temperature rising.
4. Clean filter regularly with neutral detergent.
5. Heat preservation cover should be in place while the barrel is not in use.

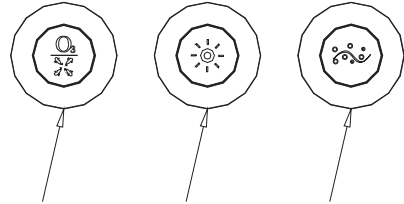
6. Please turn off power supply if the barrel is not in use for a long time.
7. The power supply should be compatible to the barrel. NEVER connect power lines at will.
8. Never dismantle and modify the barrel at will, which shall be performed by qualified and licensed electrician.
9. Place power cords in a dry and private place.
10. Other electric appliances, such as electric light, telephone, radio and TV should be kept away 1.5 m around the barrel.
11. Measure water temperature with an accurate thermometer.
12. Water temperature inside the barrel shall not exceed 41 Celsius degrees, 38-40 Celsius degrees suitably recommended for a healthy adult. A lower water temperature is more suitable to children after using the barrel more than 10min.
13. To prevent from drowning, NEVER drink alcohol, narcotics or drugs while using the barrel.

Barrel SPA Barrel – Product Description

■ Description of water pipes and air pipes

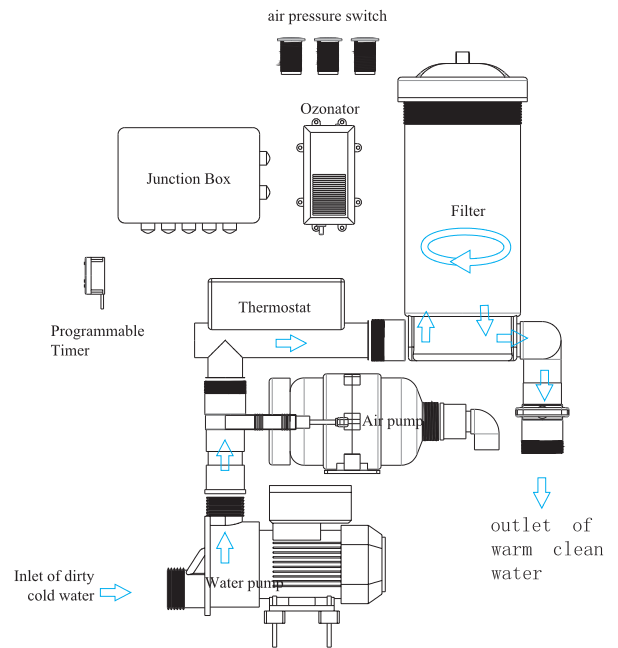


■ Control panel description

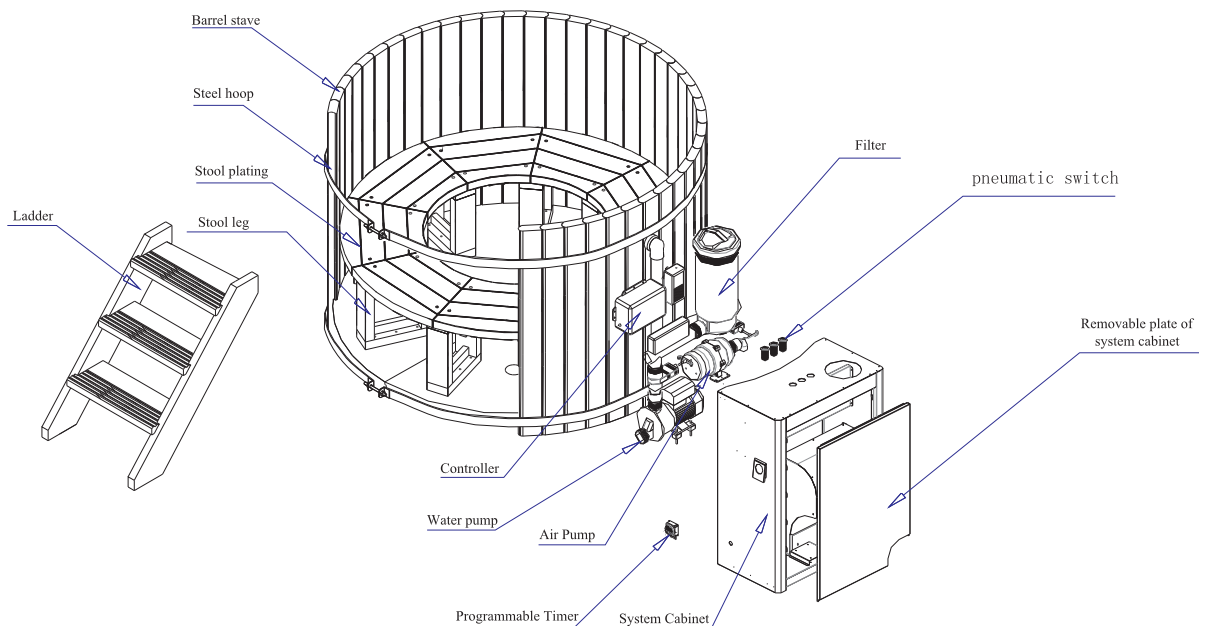


Water pump and light switch Air pump switch
ozone switch

■ Description of system components



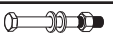
■ Description of round SPA barrel components



Barrel SPA Barrel – Installation guide

1. Barrel bottom installation

Hardware fittings:

No	Part name	Fittings model	Unit	Number	Photo
1	Barrel bottom	M8x100	Piece	19	

Tools:



I. Barrel bottom installation

1.1. The barrel is placed on a horizontal and firm surface.

(It is recommended that the barrel should be placed near a sewer and the drain pipe should be connected with the sewer.)

2. Two half-baked barrel bottoms are placed on a flat surface upside down, the child-mother groove is aligned with circular arc, and the barrel bottoms are made up a full circle.

3. Two half-baked barrel bottoms are connected together tightly with M8 × 100 screws going through the “fastener at the bottom of the barrel” .

4. M8 × 100 screws and the “connector at the bottom of the barrel” to strengthen the connection of the barrel bottom.

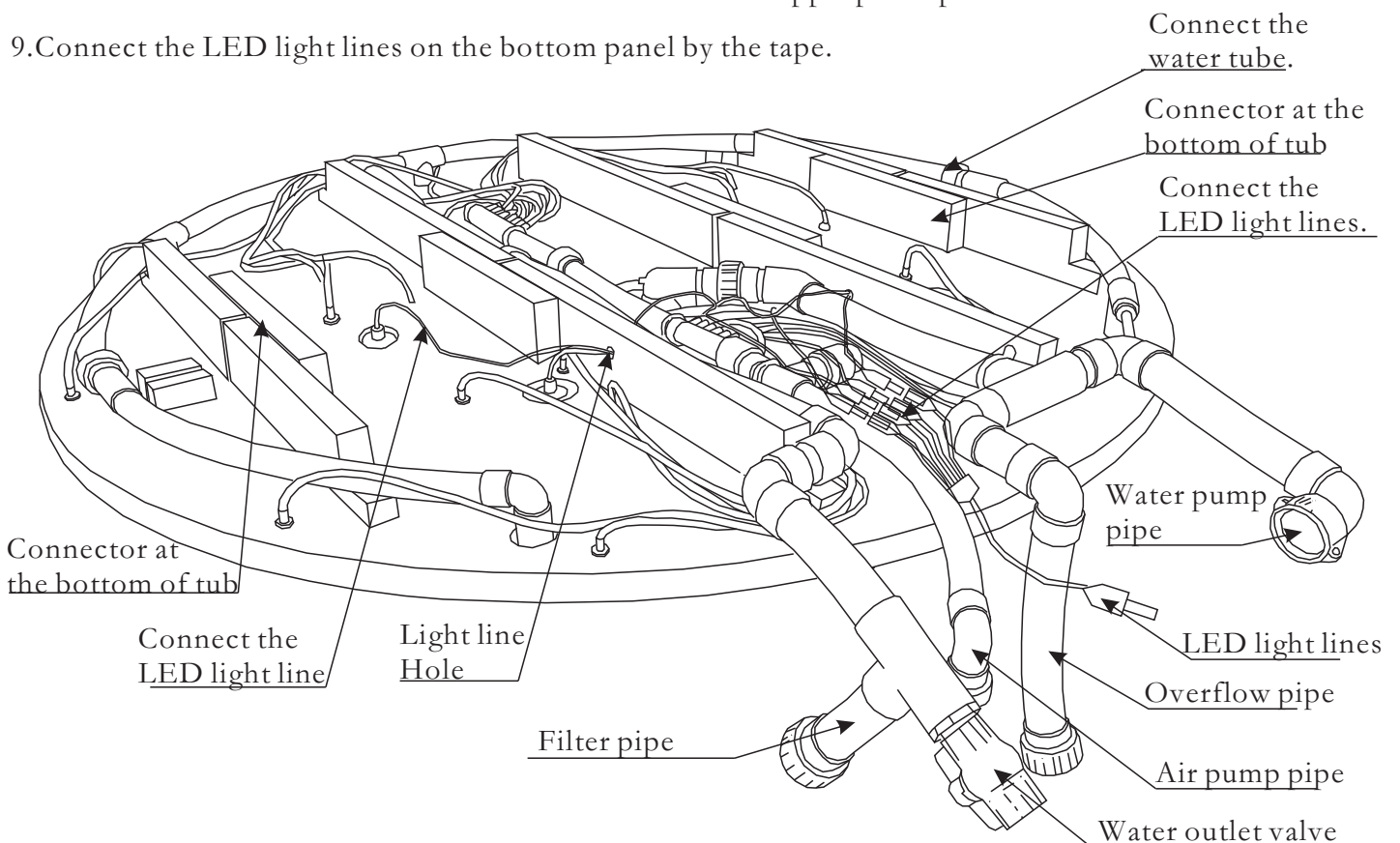
5. Connect the corresponding pipes of the two half barrel bottoms.

6. Find out t-branch pipe and use it to connect overflow pipe / pump pipe and the outlet. (Note: The pipes have leak-proof gaskets.)

7. Find out the filter, fix it on a half barrel bottom and connect it with the corresponding pipes on the other half barrel bottom. (As shown in the figure below)

8. Turn the assembled barrel bottom over and move to the appropriate place.

9. Connect the LED light lines on the bottom panel by the tape.

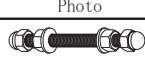


II: Barrel Stave Installation

1. Appropriate glass cement is applied to the two bottom corners of groove at the barrel stave. (As shown in Fig 1)
2. The groove at the barrel stave is aligned with the edge of the barrel bottom, stuck in the barrel bottom, and just flushed with the installation line of the barrel bottom.
3. Following the above steps, find out the barrel stave with overflow pore and pipe and barrel staves with semicircular gap at the bottom and install it on the designated position, connect the overflow pipe with the pipe at the bottom. (As shown in Fig 2)
4. Repeat step 1 and 2 to install other barrel staves on the barrel bottom, keeping the barrel staves closely connected. (As shown in Fig 3)
5. Select a barrel stave with appropriate width as the last barrel stave and install it on the barrel bottom. Tips: The last barrel stave should be installed from up to down, gently push the barrel staves at both sides out to stick the last barrel stave to the barrel bottom, and then gently hit it to flush with the installation line.
5. Carefully open the steel strip, connect two strips with different lengths together with M12 screws, and the screws are locked at the last slot.
6. The whole barrel is loose now, so steel strip is used by two men to band the barrel tightly.
7. The fixed position of steel strips: The first steel strip is fixed 90mm above the ground; the second is fixed 100mm below the top of the barrel stave; the third, if any, is fixed at the middle of barrel stave (there are 3 steel strips for 4 foot barrel).
8. When tightening the screws, each barrel stave is hit inward with a rubber hammer as much as possible until you hear the “squeak” .

Tips: Do not fasten the steel strips too tight, otherwise the barrel stave and steel strips may be damaged by the expanded boards after water is filled in the barrel.

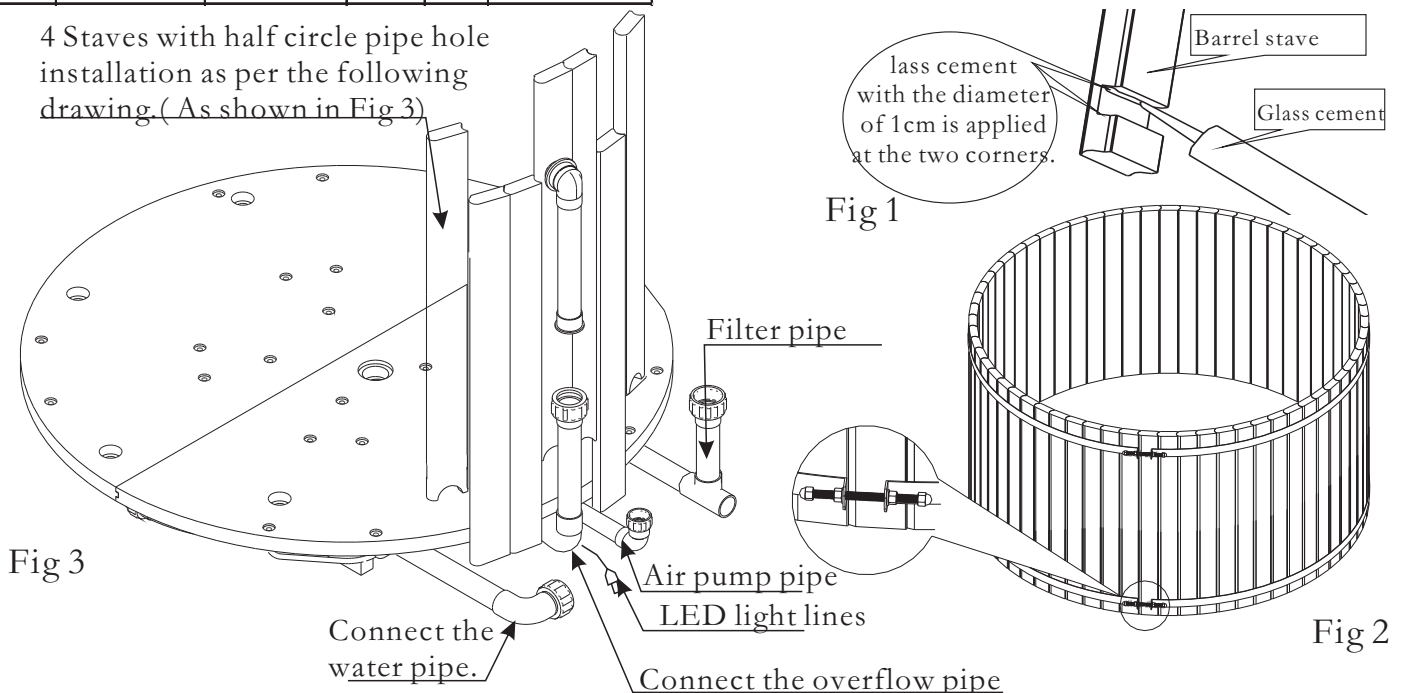
Hardware fittings:

No	Part name	Fittings model	Unit	Number	Photo
1	Steel strips	M12x180 screws	Set	6	

Tools:





4 Staves with half circle pipe hole installation as per the following drawing. (As shown in Fig 3)



III: Stool and Ladder Installation

1. The installation position is shown below; the stool is in place at first with the screws untightened. (Fig 1)
2. The seat board should be aligned with the screw holes, M6*50 screws may be inserted for fixation.
3. The position line is drawn with a pencil at the barrel bottom with the stool legs in place.
4. The seat board is removed and M6*60 screws are used to fix to the stool legs at the barrel bottom.
5. M6*50 screws are used to fix the seat board at the stool legs. (Fig 2)
6. Ladder installation: the two side boards are connected with the footboards, the right angles below the wavy lines at the pedals are aligned with the notch of side boards, M6* 60 screws are used for fixation from outside.
7. The attached brackets are used to fix the assembled ladder to barrel staves. (Fig 4)

Hardware fittings:

No.	Part name	Fittings model	Unit	Number	Photo
1	Seat boards	M6x60	Set	20	
2	Stool legs	ST6x60	Piece	24	

Tools:

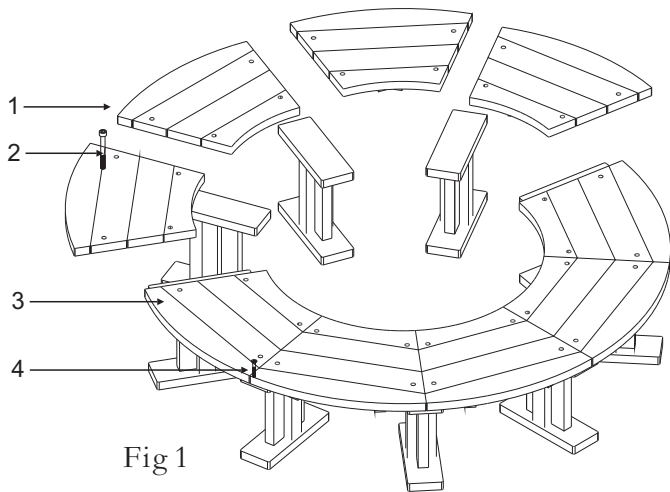


Fig 1

1-Seat board; 2- M6*50; 3- Stool legs; 4-ST6*60

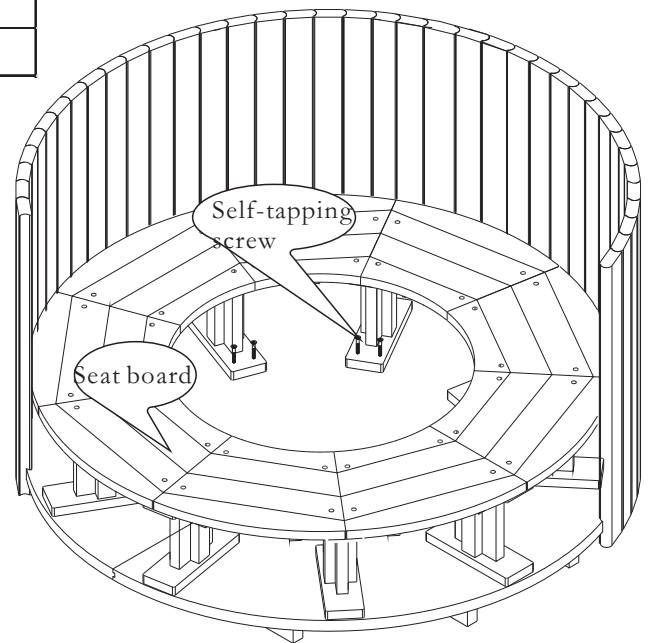


Fig 2

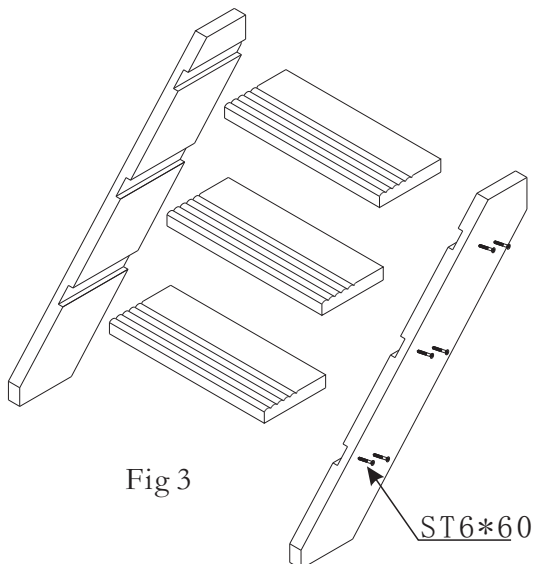


Fig 3

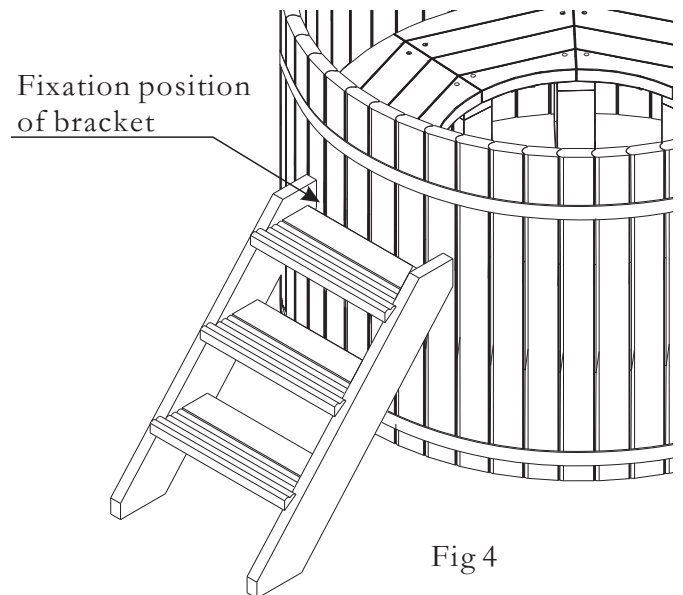
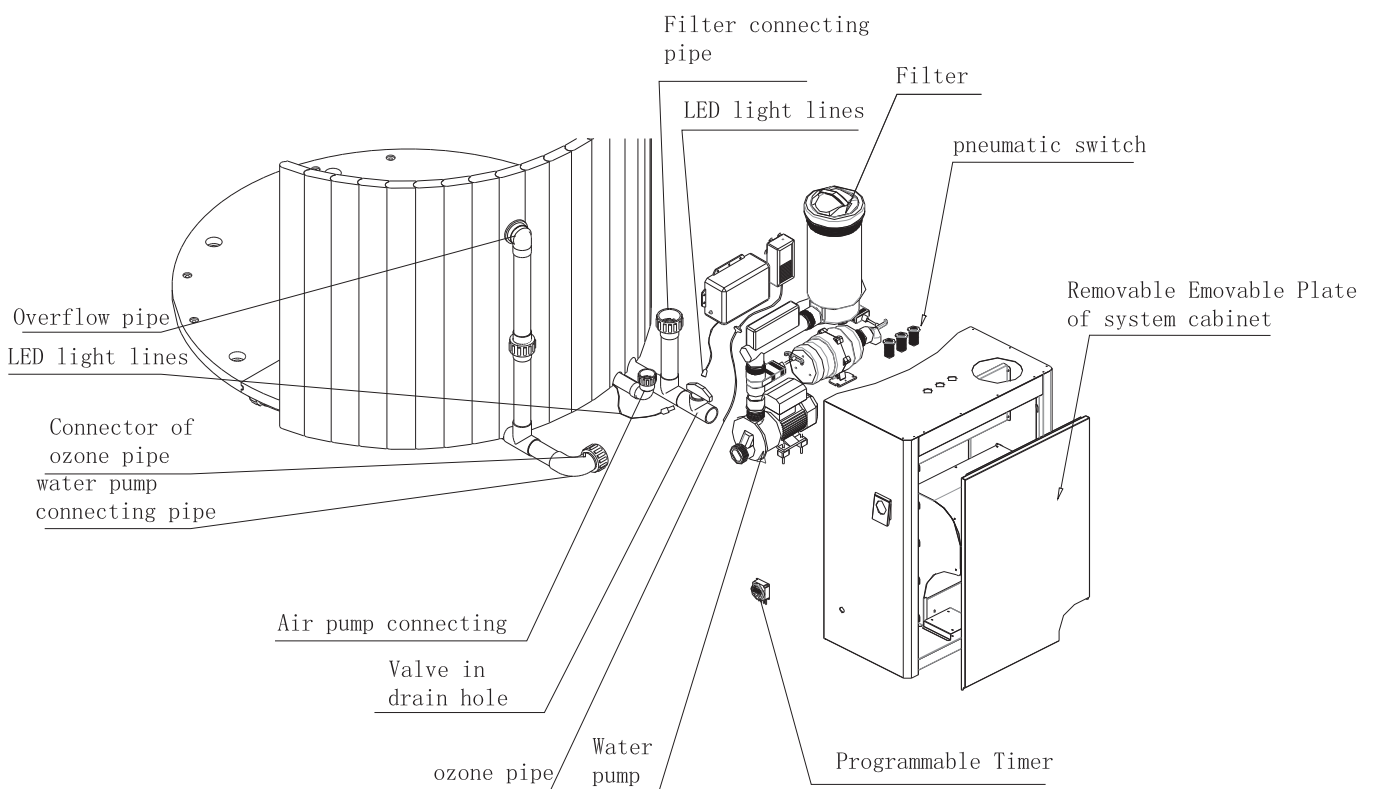


Fig 4

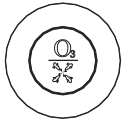
IV: Connect the barrel to the system cabinet

1. The barrel is connected to the system cabinet with the three pipes: Water pump connecting pipe, air pump connecting pipe and filter connecting pipe are connected in turn and tighten, the small interface at the water pump connecting pipe is used to connect transparent ozone pipe, and the light wire connector near air pump connecting pipe is connected with the quick coupling of system cabinet and banded by tapes. (Note: Connecting pipes are equipped with gaskets) (Fig 1)
2. Connect the power supply test system to check whether the barrel is installed correctly. (Note: The power supply system should be installed by a professional electrician. Please ensure safe electrical operation.)
3. After check, fill water in the barrel, a little water seepage is normal after the barrel is filled with water – the phenomenon will disappear within 1-5 days.
4. After the barrel is filled with water, please check whether the massage bubble function, filtering function are working properly and if not, please check the power supply of the barrel is connected correctly or call our company.
5. After the formal use, please turn on the air pump whenever the waste water is drawn off to clean out the waterlogging in the air pipe, and then turn off the system.
6. Remove the paking film of the filter paper before using.

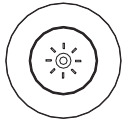


◆ Operating Guide

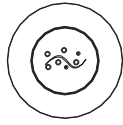
▲ Control Switch



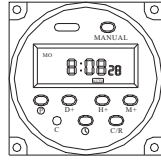
Water pump
ozone switch



LED lamp
switch



Air pump
switch



Programmable
timer

The series of products are provided with two levels of switches;

The first level comprises earth leakage circuit breakers installed by electrician;

The second level comprises built-in start switches;

◆ Operating Instructions

△ Main Switch

"Main switch" refers to the earth leakage circuit breaker installed by electrician; since all electrical components do not function in OFF state, please turn on the main switch before use.

△ Water Pump Switch

Water pump switch is used to turn on/off circulating water pump.

Water filter, ozone generation and heating is dependent on water pump, which is to say, the proper functioning of water pump is prior condition for failure-free operation of those features.

Circulating filtration is uninterrupted during the proper functioning of water pump.

There are a total of water pump switches;

The air switch mounted at the top of system cabinet is pressed to start water pump, and pressed again to turn off water pump when it's in a power-on state;

A programmable timer is mounted at the side of system cabinet to set the start time and turn-off time of energized water pump. Please refer to the instruction manual for programmable timer for further information about the operation of programmable timer.

△ Air Pump Switch

Air pump switch is used to turn on/off bubble bath; the air pump is controlled by an air switch mounted at the top of system cabinet.

Operation: Press the switch to start air pump, and again to turn it off;

△ Heater Switch

Heater switch is used to turn on/off heating thermostat.

Inside the heater is a water switch controlled by water pump; the water pressure switch is turned on autom-

atically when water pump functions properly, and is automatically turned off when water pump gets out of service.

While the heater is ON (the water pump has to function properly), it heats the water in tub in a cyclic manner, and the system automatically disconnects the heater from power supply when water temperature reaches 41°C.

When the water temperature drops below 39°C, the system automatically switches the heater on for heating operation;

The water temperature is kept between 39 and 41°C.

△ Lamp Switch

This product is furnished with two underwater lamps, which are turned on/off by lamp switch.

Operation: Press the switch to start underwater lamp, and again to turn it off;

△ Ozone Switch

The ozone (O₃) produced with ozone generator is mixed with the water in tub through loop water pipe for purpose of disinfection.

Since ozone shares a switch with water pump, they are turned/off simultaneously.

△ Replacement of filter paper element

The filter system depends on the paper element to filter the impurities in the water, the paper element should be cleaned per about 5-10 days and be replaced per 1-2 months to ensure the filtering effect.

Operations: 1. Remove the cover of connecting pipe and close the ball valve in connecting pipe.

2. Open the outer glass door of the system, find out a spring cotter at the left upper corner and open it.

3. Gently push the marble panel in the outer system cabinet and then open the locknut on filter cask anticlockwise.

4. Unscrew the exhaust port of filter cask and pull up the lid on filter cask forcibly;

5. Now filter paper element can be taken out for cleaning or replacement.

◆ Cleaning and maintenance

Cleaning and maintenance is critical to round SPA barrel, HEA, that would determine the product appearance and usage experience and provide you pleasant bathing experience.

△ Surface cleaning

Dirt on wood surface should be removed timely since dirt absorbed by wood with strong adsorption capacity would not be easily removed; for surface dirt, wipe it first with clean water and cotton cloth and, if it is difficult to be removed, scrub with banister brush and neutral cleaning agents. Never use acid cleaning agents and hard brushes which will cause irreversible damage to paint.

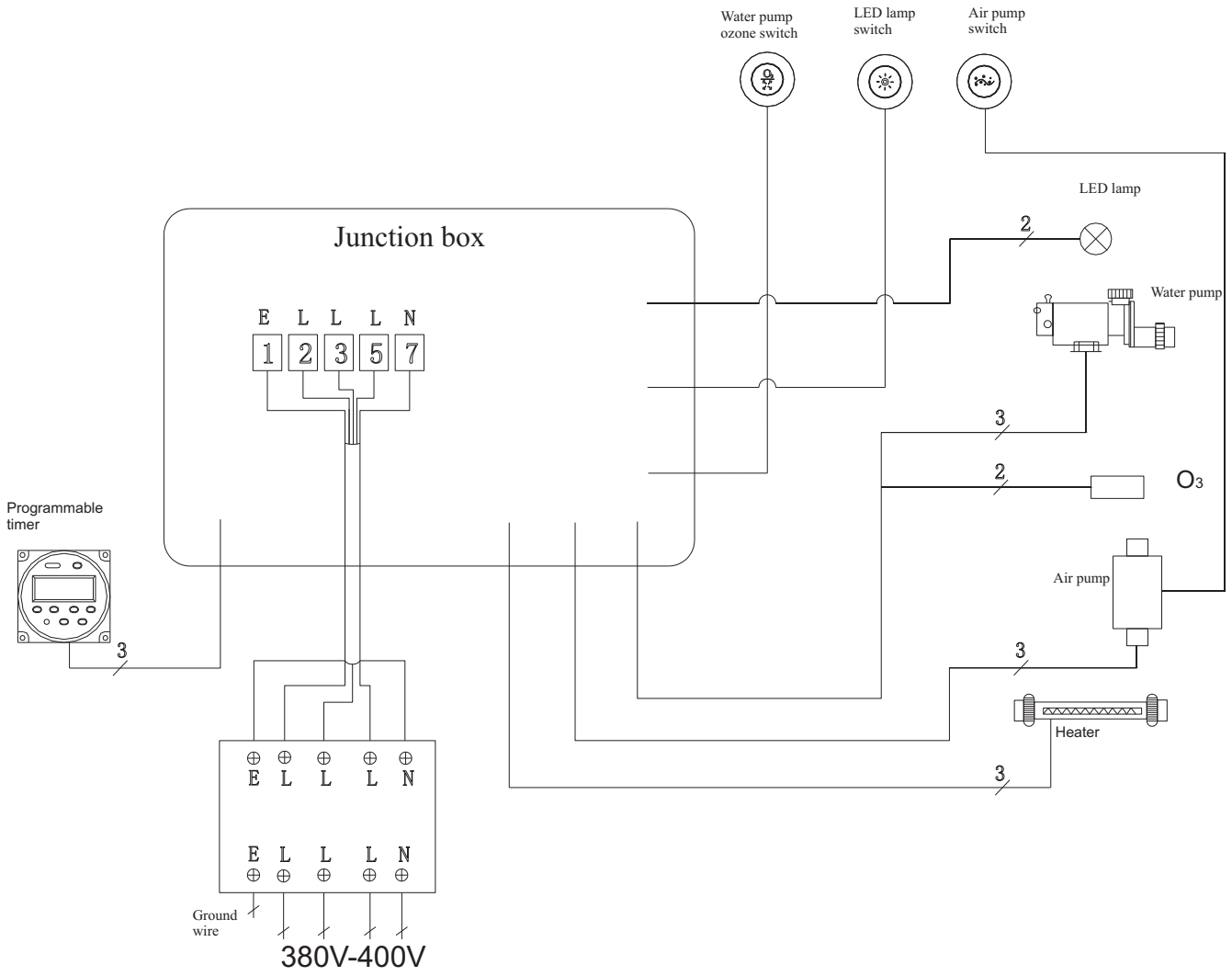
△ Paint (if any) maintenance

Round SPA barrels are wooden bathtubs painted with natural wax oil rather than closed painting, maintain the texture and touch of wood and the natural scent of red cedar (released during hot water immersion).

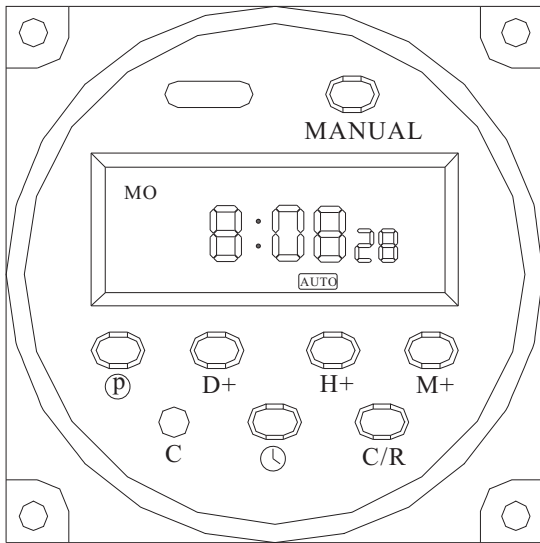
Wax oil, the protective paint to maintain wooden bathtub perennial bright as new, adds no any chemicals, needs to be repainted once every or half a year to protect the wood against exterior damage; Applying wax oil is quite easy and can be carried out at home as per following steps:

1. Apply wax oil on sunny days;
2. Drain water completely from the barrel and let it dry 3-5 days (sunny days);
3. “Anti- UV Wax Oil” is preferable;
4. Clean surface with dry cotton cloth;
5. You may paint with brush or cotton cloth (the latter is recommended). Wipe out surplus paint on surface with cotton cloth 20-30 min after painting while paint is still wet. The product would be ready for normal use after 24h.

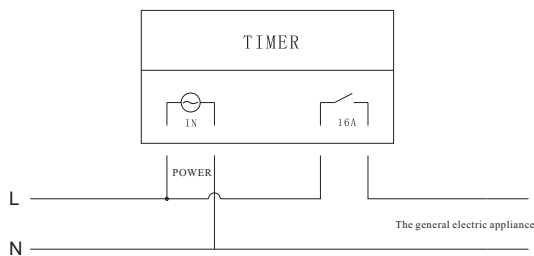
■ Circuit diagram of control system



PROGRAMMABLE TIMER



CONNECTION DIAGRAM



Time Setting

1. Press "P" key, and the text "1ON" (which means "the time of the first start") appears at lower left corner of display screen. Then press keys "minute", "hour" and "week" respectively to enter the desired start time.
2. Press "P" key again, and the text "1OFF" (which means "the time of the first turn-off") appears at lower left corner of display screen. Then press keys "minute", "hour" and "week" respectively to enter the desired turn-off time.
3. Press "P" key again, and the text "2ON, 2OFF... 17ON, 17OFF" will appear in turn at lower left corner of display screen, when the turn-on/off time could be set following steps 1 and 2. Where it's merely necessary to turn on and off in turn, the "cancel/resume" key has to be pressed to cancel the set time, i.e. to display "—:—".
4. Press "P" key and "week" key successively to activate different circulation modes, including "the same every day", "different from day to day", "the same from Monday to Friday", "the same from Monday to Saturday" or "the same from Saturday to Sunday".

Precautions

1. Where the screen displays symbol "a", it means your chip is of self-lock version, when you should press "cancel/resume" key for 4 consecutive times. The symbol "a" disappears. Press "minute", "hour" and "week" keys to set the time to local time (to be locked in 30s for self-lock version; 16 program groups)
2. Where there is no symbol "a" on the screen, the time could be set to local time by pressing "minute", "hour" and "week" keys.