

Breva SPA



Contents

1. Product dimensions
2. Spa features
3. Jets layout
4. Spa water maintenance
5. Electrical requirements
6. Operating instructions
7. Touchpad function
8. Error message of spa



Product dimension... 2000x2000x900mm



Product specification

Spa Controller : Balboa (BP6013G1+TP400)

Circulation pump : 1x0.35hp

Air blower : 700 Watt

Jet pump : 1x3hp

Heater : 3000Watt

Water capacity : 1030L

Seating capacity : 5 Persons

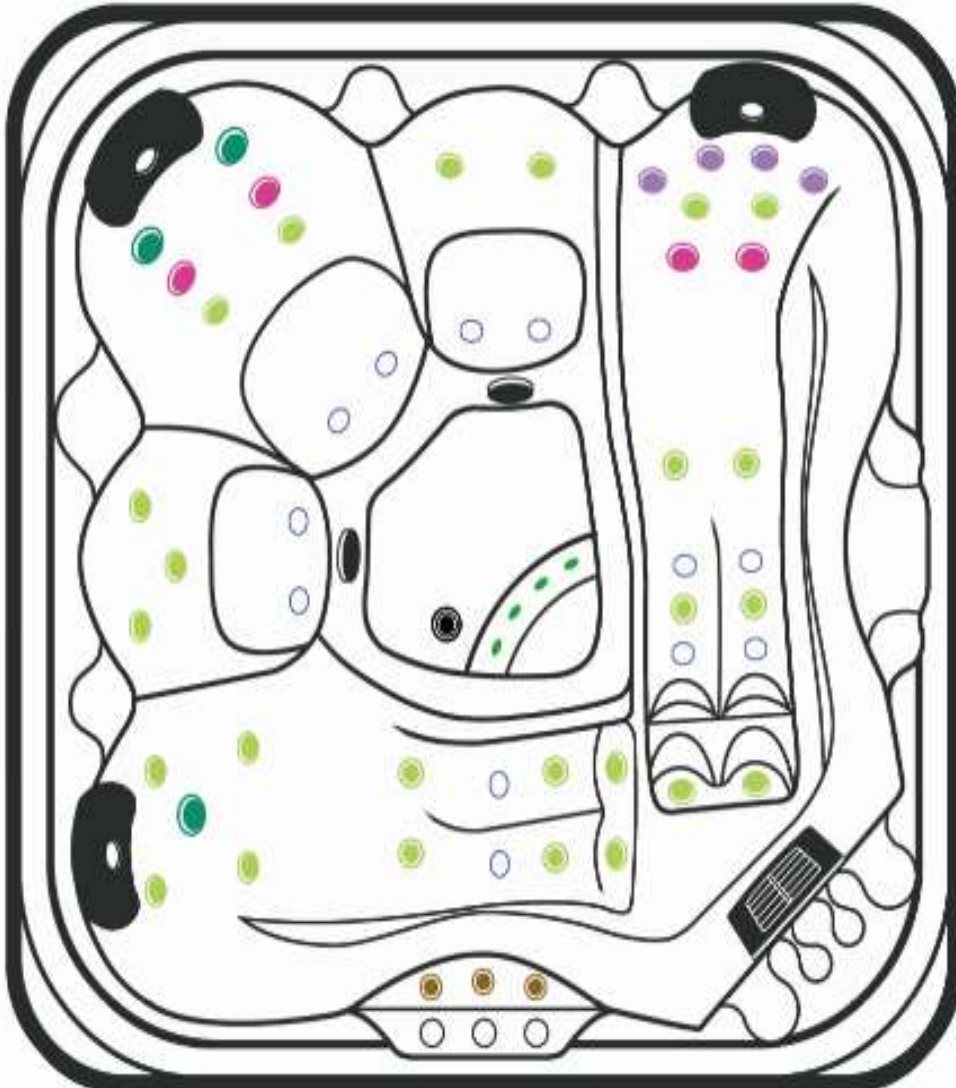
Total number of jets : 52pcs

Dry weight : 350 kg

Bluetooth music system

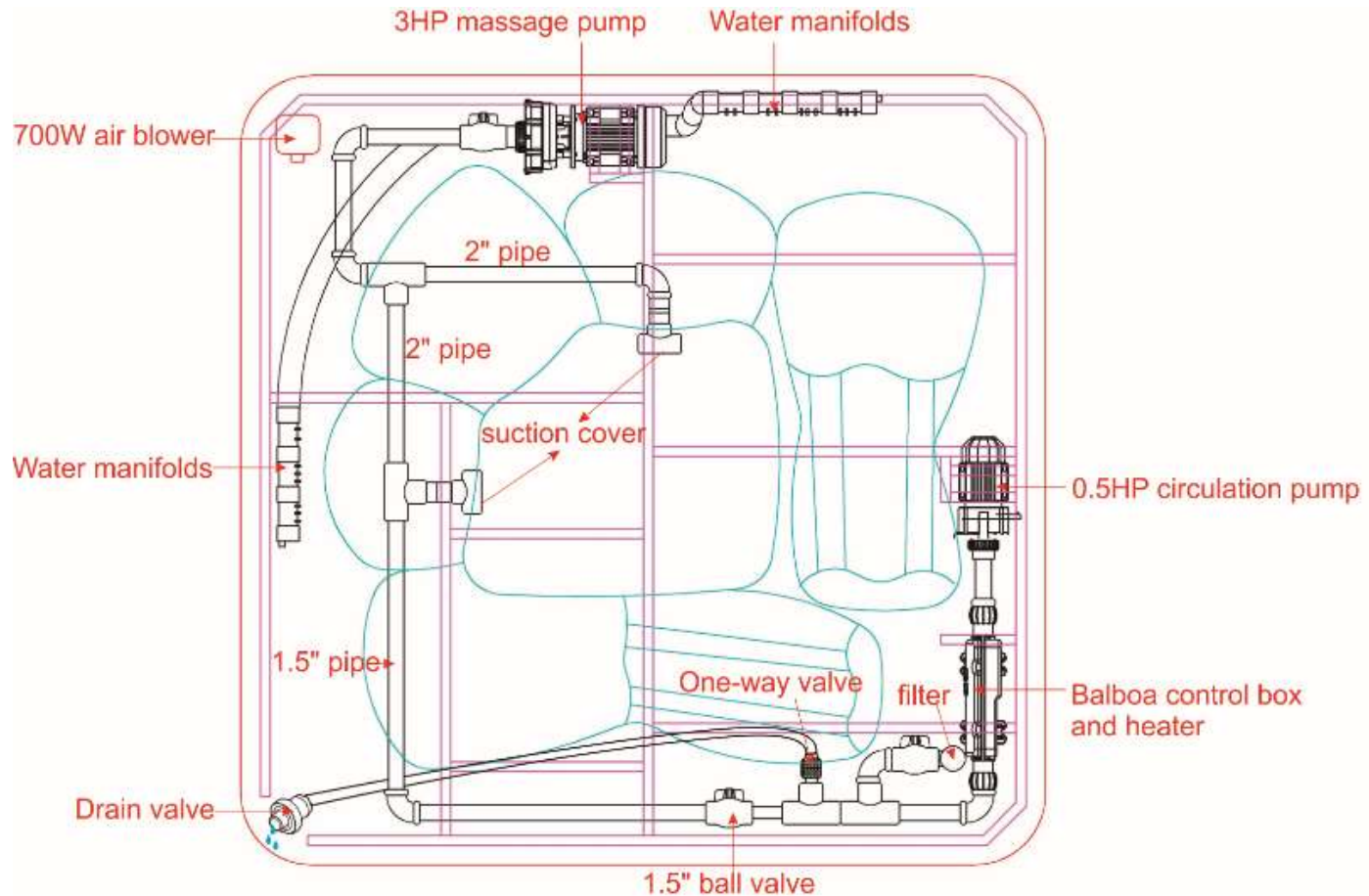


Jets layout



- 3" single rotating jets: 3pcs
- 2.5" direct jets: 4pcs
- 2" direct jets: 25pcs
- 1" direct jets: 4pcs
- Air jet: 12pcs
- 1" circulation jets: 4pcs
- 2" fountain jets: 3pcs

Plumbing diagram



1. Drain point : Keypad right hand side corner.
2. Electrical point : Keypad left hand side corner
3. Controller : Keypad left hand side panel.

Spa water maintenance

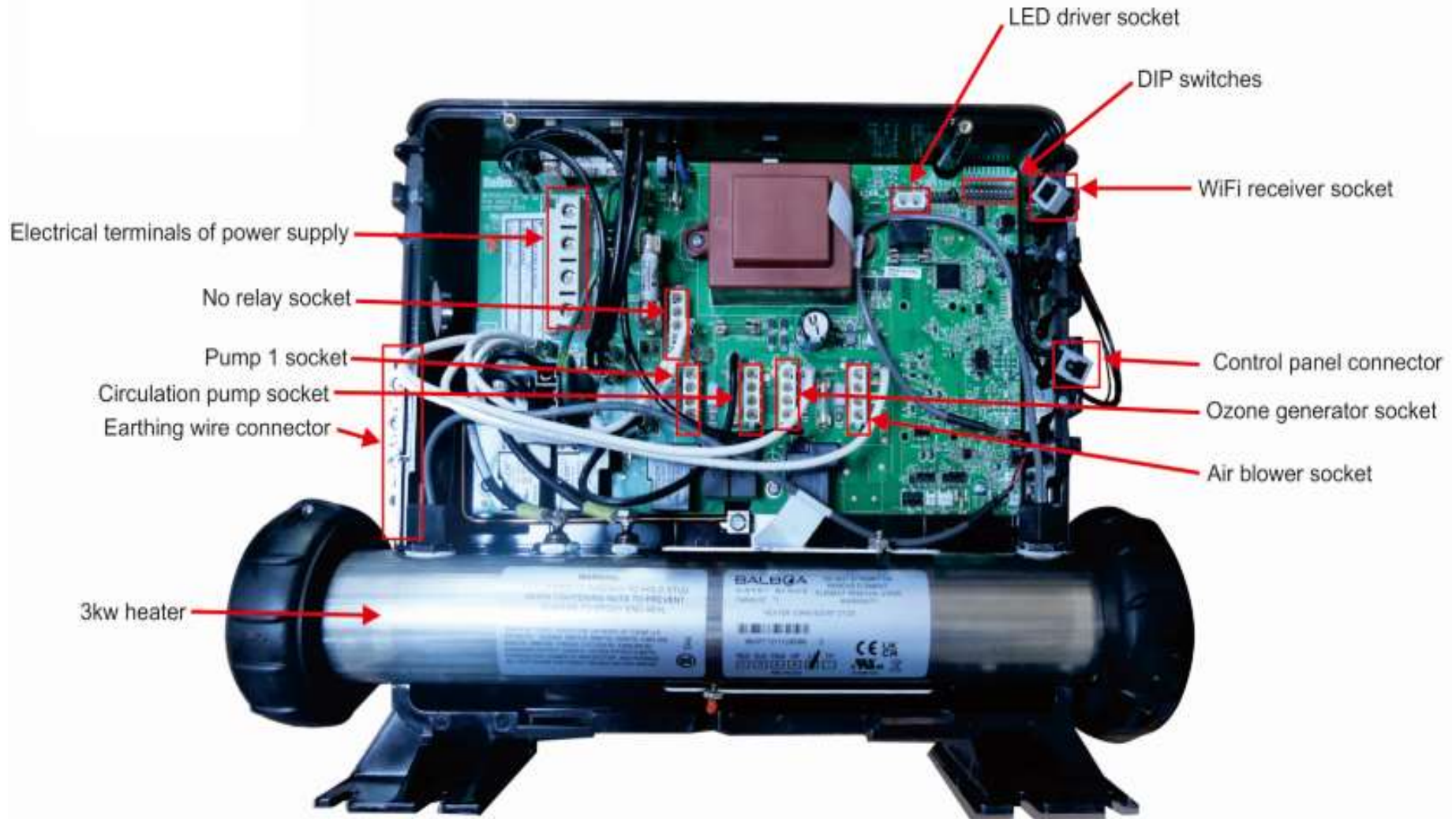
Water Changing: The spa water should be changed every three to four months, or remove and replace approx 30% or 1/3 of the volume of water every three to four weeks.

Recommended Levels	
Item	Level
Sanitiser (Chlorine)	2.0 - 3.0 ppm
Total Alkalinity	90 - 110 ppm
pH Level	7.4 - 7.6

pH Level: pH is the measure of the acid/alkaline level of the water. It is important to maintain the correct pH level as it effects the action of other chemicals. The pH is measured on a scale of 1 to 14. Seven is neutral, below seven is acidic, and above seven is alkaline. Incorrect pH levels can cause poor sanitiser efficiency, eye and skin irritations, corrosion of metal fittings, cloudy water and formation of scale on the pool walls and fittings. The pH should always be above 7.0 (measured at room temperature, not hot) to avoid possible corrosion of equipment. However, it should not be higher than 7.8, as this would reduce the efficiency of the sanitiser.

Total alkalinity : The total alkalinity should be in the range of 90 – 150 ppm (parts per million). A spa or hot tub with low total alkalinity would require constant adjustment of the pH. To raise total alkalinity, add sodium bicarbonate in small quantities. To lower the total alkalinity, add acid (Dry Acid – Sodium Bisulphate) in small quantities. Test in one hour.

Controller connection diagram



Electrical requirements

1. Single phase AC supply : 220 – 240 V/50HZ

2. Maximum current : 29 Amps

3. Required MCB : 32 Amps

4. Required RCB : 30mA

5. Maximum Power : 6175 Watt

6. Recommended voltage stabilizer



Note : Do not use electrical extension board or join another wire to power cord for extending length.



Power supply wire connection path



Electrical point : Keypad left hand side corner

Drainage system

Drain point : Keypad right hand side corner.



Close view



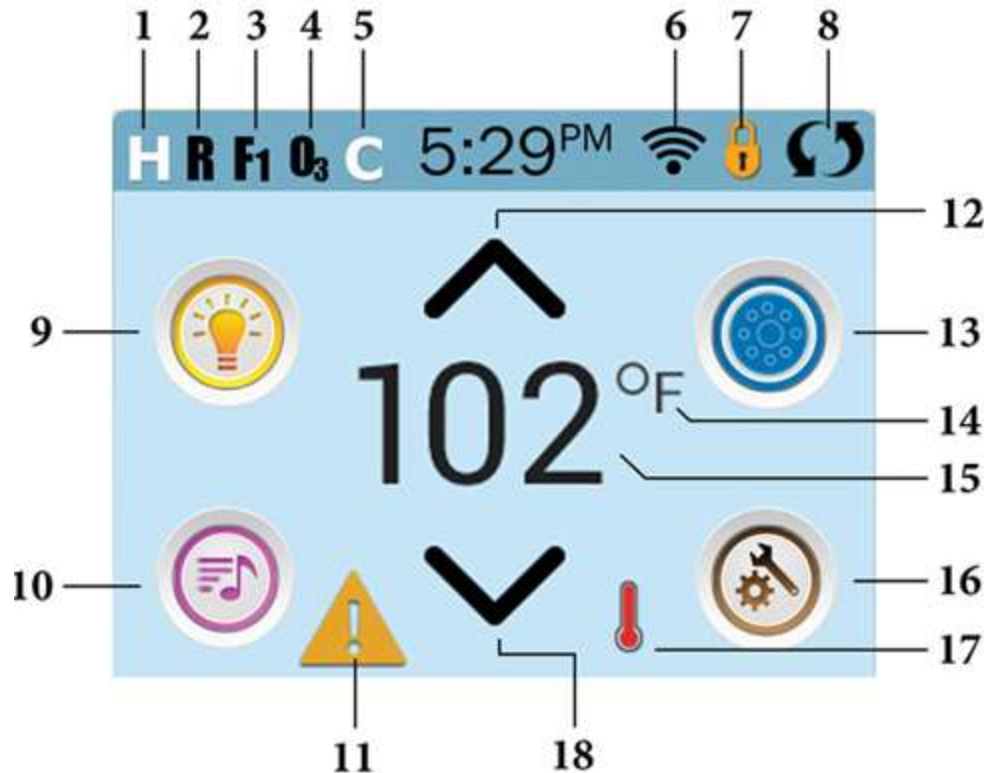
Open the cap for drainage



Touchpad



Main screen view

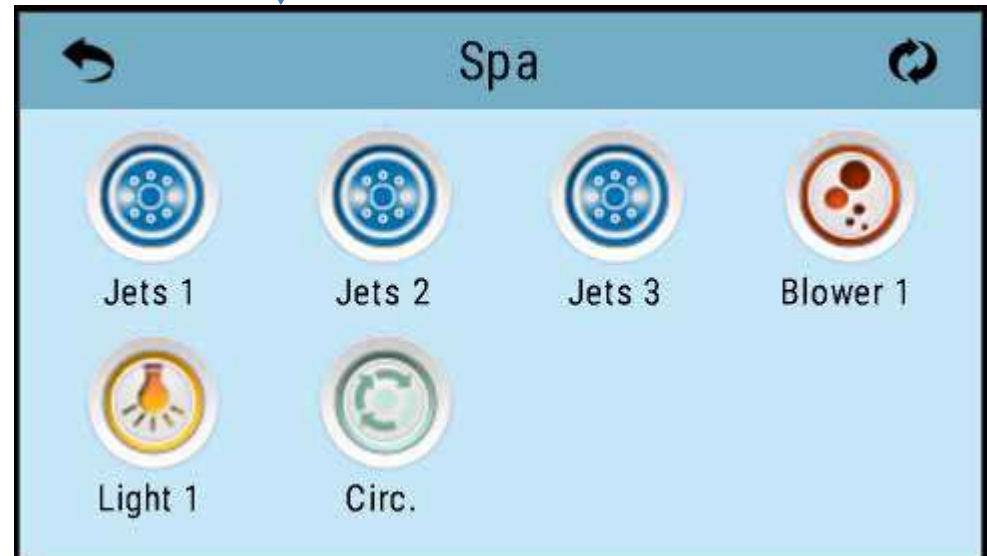


1. H = High Temperature Range
2. R = Ready Mode
3. F1 = Filter Cycle 1 Running
4. O3 = Ozone Running
5. C = Cleanup Cycle
6. Wi-Fi Signal Indicator
7. Lock Indicator Icon
8. Invert Screen
9. Light Icon = Turns On/Off
10. Music Icon = Press To Enter Music Screen
11. Message Waiting Indicator
12. Set Temperature Up
13. Spa Equipment Control Icon
14. Temperature Scale (F/C)
15. Current Water Temperature
16. Settings Icon
17. Heat Indicator
18. Set Temperature Down

Function touch key

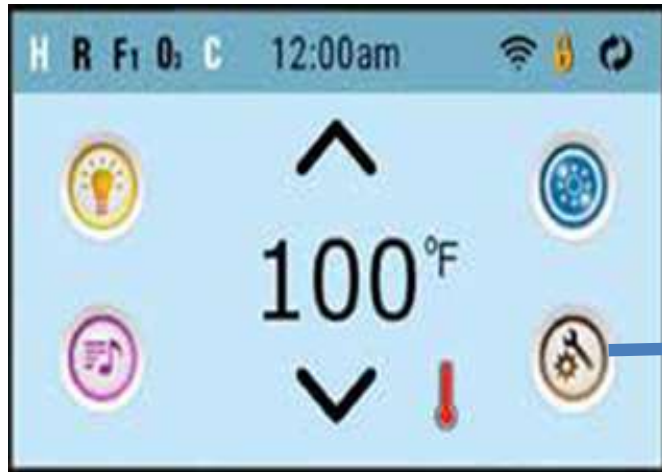


After touch jet icon



1. To operate the jet pump you may touch the jets 1 option
2. To operate the blower you may touch the blower option
3. To operate the light you may touch the light option

Spa touchpad screen



After Touching the setting icon



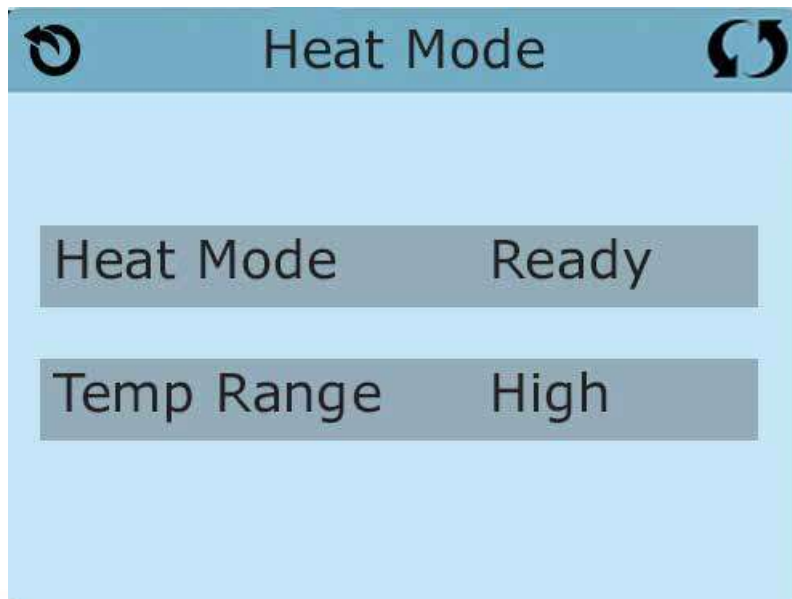
Screen view :1



Screen view :2

Settings on screen

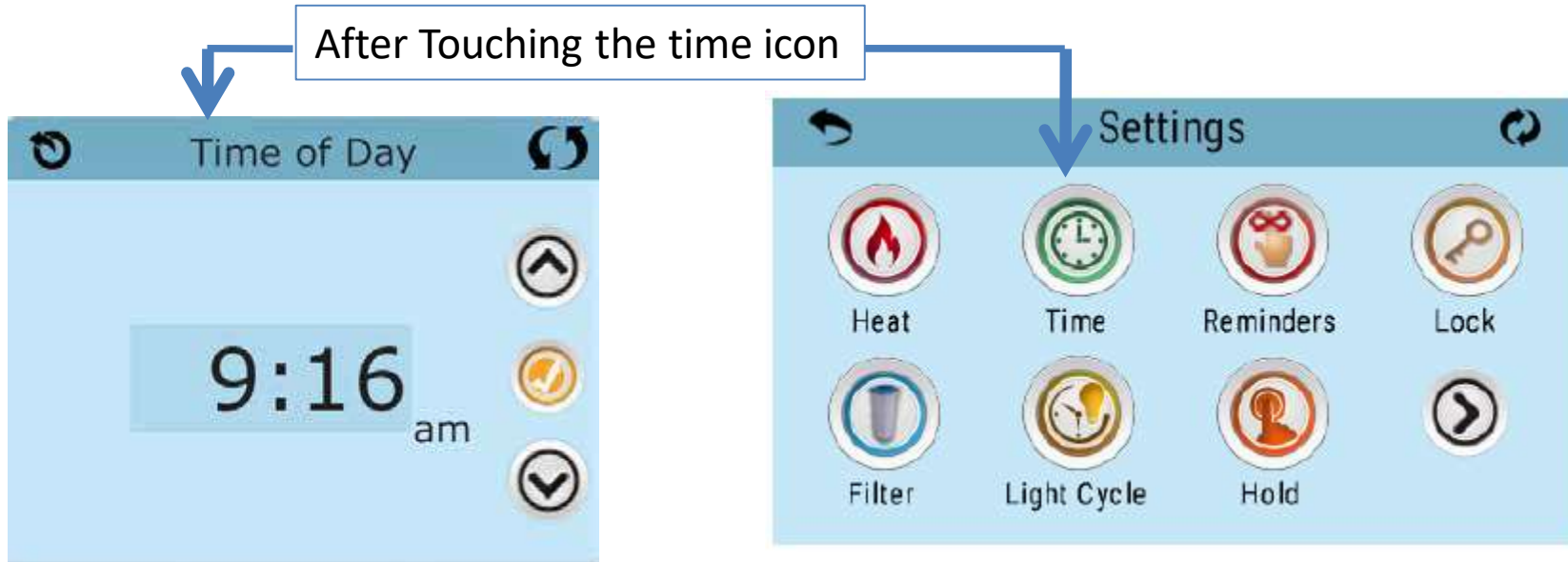
After Touching the
Heat icon



Heat Icon takes you to a screen where you control the Heat Mode and the Temperature Range.

*High Range can be set between 80°F and 104°F.
Low Range can be set between 50°F and 99°F.*

Time of day

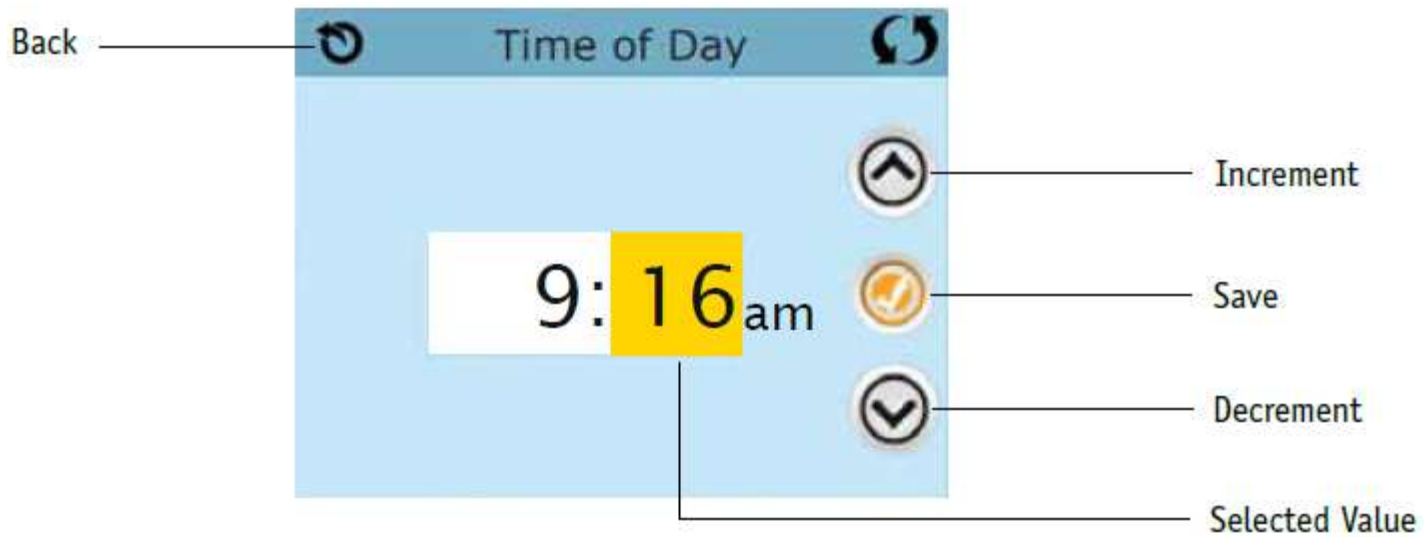


Setting the time-of-day is important for determining filtration times and other background features. The Heat Icon on the Settings Screen takes you to a screen where you control the Time-of-Day . On the Time-of-Day screen, simply select the Hours and Minutes. Use the Up and Down Buttons to make changes, then Save.

Note :

This only applies to some systems:

If power is interrupted to the system, Time-of-Day will be maintained for several days.



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Adjusting filtration

After Touching the
Filter icon



Main Filtration

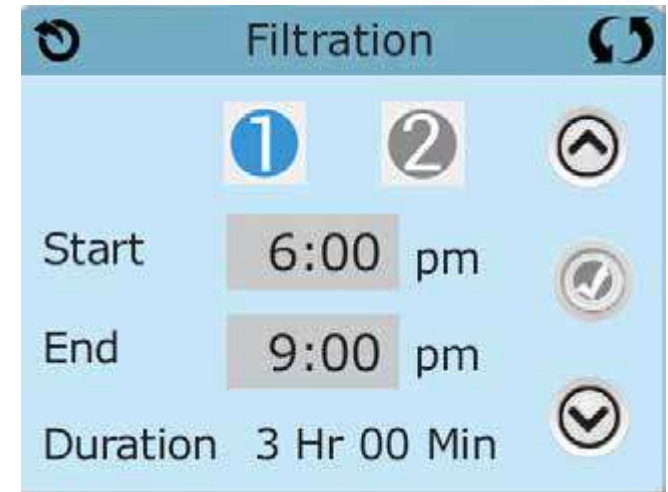
Using the same adjustment as Setting the Time, Filter Cycles are set using a start time and a duration. Each setting can be adjusted in 15-minute increments. The panel calculates the end time and displays it automatically.

Filter cycle 2 - Optional filtration

Filter Cycle 2 is OFF by default.



Viewing Filter 1 while Filter 2 is OFF:



Viewing Filter 1 while Filter 2 is ON:

Press "1" to view Filter 1.

Press "2" once to view Filter 2.

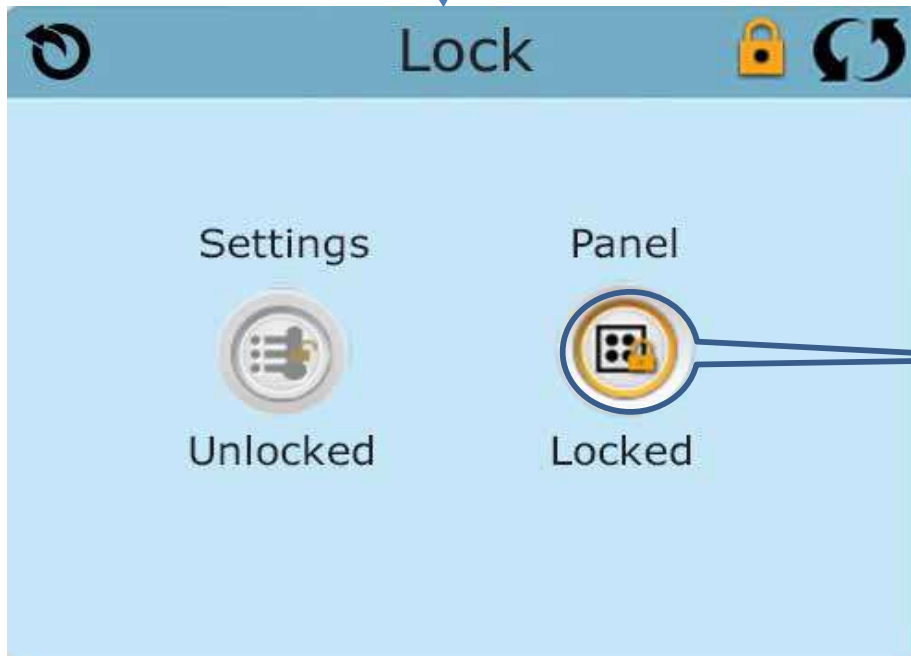
Press "2" again to turn Filter 2 ON or OFF.

When Filter Cycle 2 is ON, it can be adjusted in the same manner as Filter Cycle 1.

It is possible to overlap Filter Cycle 1 and Filter Cycle 2, which will shorten overall filtration by the overlap amount.

Locking/Unlocking

After Touching the
lock icon



Press here for 5 seconds to lock or unlock

Locking/Unlocking

The control can be restricted to prevent unwanted use or temperature adjustments. Locking the Panel prevents the controller from being used, but all automatic functions are still active. Locking the Settings allows Jets and other features to be used, but the Set Temperature and other programmed settings cannot be adjusted. Settings Lock allows access to a reduced selection of menu items. These include Filter Cycles, Invert, Information and Fault Log. They can be seen, but not changed or edited.

Locking/Unlocking

The same steps are used to Lock and Unlock. To lock either Settings or Panel first select Settings (if it says “Unlocked”) or Panel (if it says “Unlocked”), then press the word “Lock” for at least 5 seconds. To unlock either Settings or Panel first select Settings (if it says “Locked”) or Panel (if it says “Locked”), then press the word “Lock” for at least 5 seconds.

Heater related error messages

The water flow is low – M016**

There may not be enough water flow through the heater to carry the heat away from the heating element. Heater start up will begin again after about 1 min.

The water flow has failed* – M017**

There is not enough water flow through the heater to carry the heat away from the heating element and the heater has been disabled. See “Flow Related Checks” below. After the problem has been resolved, reset the message*.

The heater may be dry* – M028**

Possible dry heater, or not enough water in the heater to start it. The spa is shut down for 15 min. Reset this message* to reset the heater start-up.

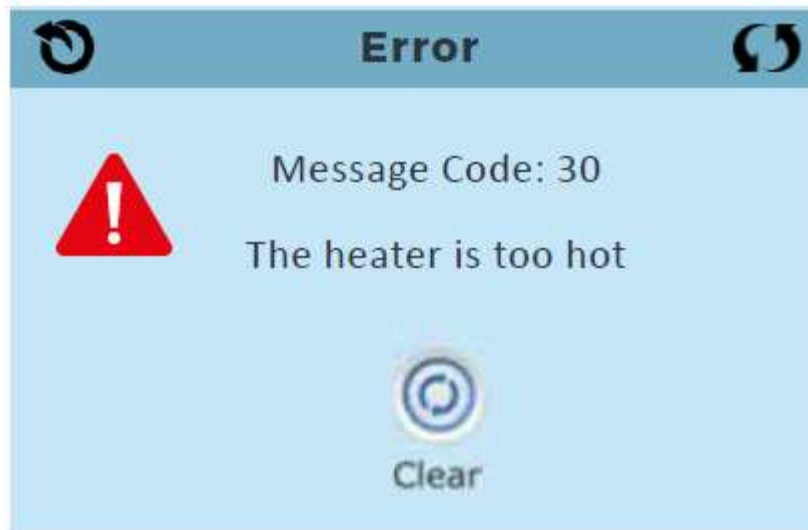
The heater is dry* – M027**

There is not enough water in the heater to start it. The spa is shut down. After the problem has been resolved, we must reset the message* to restart heater start up.



The heater is too hot* – M030**

One of the water temp sensors has detected 118°F (47.8°C) in the heater and the spa is shut down. You must reset the message* when water is below 108°F (42.2°C).



Sensor related error messages

Sensors are out of sync – M015**

The temperature sensors MAY be out of sync by 3°F.

Sensors are out of sync – M026**

The temperature sensors are out of sync. The fault has been established for at least 1 hour.

Sensor A Fault, Sensor B Fault – Sensor A: M031, Sensor B: M032****

A temperature sensor or sensor circuit has failed.



System related error messages

Program memory failure* – M022**

At Power-Up, the system has failed the Program Checksum Test. This indicates a problem with the firmware (operation program) and requires a service call.

A pump may be stuck on – M034**

Water may be overheated. POWER DOWN THE SPA. DO NOT ENTER THE WATER.

Hot fault – M035**

A Pump Appears to have been Stuck ON when spa was last powered. POWER DOWN THE SPA. DO NOT ENTER THE WATER.

Thank you