

Setup instructions for New Hot Tubs

Sanitising pipe work

You will need to sanitise the pipe work of the hot tub because when the tub is completed in the factory it is wet tested. This means that the tub is filled with water and all the functions are tested. Also the tub and pipe work are checked for leaks. The idea of sanitising the pipe work is to kill all bacteria that could be living in the water residue in the pipes.

- Make sure that your filter has been removed from the filter housing.
- Fill the tub with cold water up to the water level mark. As the tub is filling wipe down the tub with a sponge or shamus leather.
- Measure out enough chlorine to reach 20ppm (parts per million). This is typically 50g (approx) in a hot tub that holds 1500L of water.
- Pre dissolve the chlorine in a bucket before adding to the tub.
- Add chlorine to Hot tub.
- Run all Jet pumps and your circulation pump for two hours.
- DO NOT RUN YOUR AIR BLOWER!!! MANY WATERBOURNE DISEASES ARE INHALED NOT INGESTED!!!
- Your jet pumps will automatically turn off after 30min so you will need to re activate them. Be sure to open and close all the valves a few times to allow circulation through all the pipes.
- After two hours drain the water and clean out any debris left in the bottom*
- Refill the tub to the water level mark.

Shocking the water

You will need to shock the water with chlorine shock every time you drain the tub and refill with fresh tap water. This is similar to when you sanitise the tub but you use a much smaller dose.

- Fill the tub with fresh tap water to the water level mark
- Pre dilute chlorine shock to achieve a level of 5ppm (this is typically 12g for a tub of 1500L) and add to the tub
- Circulate the tub for 1 hour to ensure even dispersal. If chlorine settles on the bottom of the tub turn on the air blower for 3 – 5 seconds to stir up the water.
- You can start the heating process now as it would normally take 10 – 14hrs for the tub to reach operating temperature.
- Wait for 12 hours after adding shock before adding any other water sanitizer (Aqua finesse).

Checking pumps and unions

When the tub is wet tested in the factory there is not enough time to wait for the tub to reach operating temperature. So when you heat for the first time your tub and pipe work will expand. You will need to check for any leaks or weeping.

- Heat tub to operating temperature (approx 37 degrees)
- Check unions on the pipes and tighten if necessary (this is where the pipe joins onto the pump or heater. These are screw fittings and only need to be hand tight). – PTO -

Cleaning the filter

The filter will need cleaning every two days for the first two weeks, after two weeks just once a week will be fine or after heavy use.

- Remove filter from housing by unscrewing the filter
- Using pressure from an outside hose clean down inside all the pleats
- A lolly stick or coffee stirrer is useful to clean any hair or body fat from the pleats.
- Try not to use "Filter Cleaner" too often as over time this will dissolve the filter. If you have a heavy build up soak in a detergent in hot water. Rinse thoroughly and allow to dry.
- If you have purchased a second filter then allow original filter do dry completely and alternate between the two filters.

How to set the hot tub to heat-up

Once you have completed the shock procedure and have refilled the hot tub you can start heating up. The process could slightly vary depending on type of control system and size of hot tub.

- Turn the power supply on from the main isolator switch that was installed by your electrician.
- The display will light up and it will show the time, temperature and "off". In most controllers you would also have 3 lines. Please remember not to press any of the buttons that have blue writing when the display is in this mode as you could set various functions (cleaning cycles, preheat cycles and other) that you wouldn't need at this stage. Setting these functions can be a bit confusing and if you think you have set something by mistake just turn the power off for 1min and this should reset everything back to normal.
- Press the Red button to turn the control display on. You should see the display lighting up in brighter colours and in most controllers you would see "Welcome".
- Set the temperature (37C is the most common setting) by pressing the button with little thermometer (usually top left one). If you go past the temperature that you need just keep pressing until you go back to the lowest setting and try again.
- In most control systems next you would have to press the "preheat" button once to start the circulation pump**. Usually a symbol will be displayed to indicate that the circulation is on.
- Next step is to press the "preheat" button again and this will start the heater (note - pressing the "preheat" button 3rd time will turn both the circulation and heater off). Another symbol will come up on the display to indicate that the heater is on. The hot tub is now heating and once it reaches the desired temperature will shut the heater and the circulation pump off. Once the temperature has dropped down by couple of degrees the heater and the circulation pump will come on again.
- Make sure that your lid is secured on top of the hot tub and in some models the headrests must be taken off as they sit slightly proud from the shell and there will be a gap that would allow for some of the heat to escape. All cabinet doors must be closed as well to prevent any heat loss.
- It usually takes about 12 – 14 hrs for the hot tub to reach operating temperature. Enjoy!!!

*we recommend draining the tub but it's not essential. Remember any dead bacteria, dust and manufacturing debris will be in the water after this step and your filter will now have to work very hard to filter all this out.

** In some control system you only have to press the "preheat" button once and this will start both the circulation and the heater. Pressing the "preheat" button 2nd time will switch both appliances off.