

BASIC WATER MANAGEMENT GUIDE

A clean and healthy Hot Tub is achieved by a combination of the following working in harmony:

1. Filtration
2. Appropriate Water Circulation
3. Correct Water Balance
4. Effective Sanitisation

1. FILTRATION

Your Hot Tub is fitted with Cartridge Filtration. The cartridge filter removes solids, body fats & oils and should be cleaned at least every 2 weeks.

2. WATER CIRCULATION

For the cartridge filter to operate it has to have water circulation which is provided by the Circulation Pump. This pump also provides the water for the heating system and jets.

Allow the pump to run a minimum of 5 hours per day. You have a 2 speed integrated control system. It automatically maintains the temperature and required circulation to keep the water filtered

3. CORRECT WATER BALANCE

It is essential to establish the correct parameters of the following:

- PH
- Alkalinity or Buffer

The Chemical Pack provided allows you to adjust the amount of minerals in the hot tub water to attain correct water balance.

To do this you require a suitable measuring device for all of the chemical additions required.

Testing Strips provided allow you to test the above.

The correct levels are:

- PH 7.2 to 7.6
- Alkalinity 125 to 150 ppm

PH

To raise PH, use either Alkalinity increaser (BUFFER), or if the PH is under 6.8 use PH increaser (SODA ASH). Maximum one time addition per 1000 litres is 50 grams per hour.

To lower PH use PH reducer (DRY ACID). Maximum one time addition per 1000 litres is 25 grams per hour.

ALKALINITY

To increase alkalinity use Alkalinity increaser (BUFFER). Maximum one time addition is 50 grams per hour.

To decrease Alkalinity you can partly empty the tub or use dry acid at the rate of 25 grams per 1000 litres per hour. This will lower the alkalinity by 15 ppm

IMPORTANT: Follow the instructions on the chemical label as to how to apply the chemical contained inside.

Dosages may vary depending on the quality of the product the chemical manufacturer provides. Adjust the amount to be added to the instructions.



View further information, tub models, specifications, optional extras and pricing online.

4. EFFECTIVE SANITATION

Successful tub control is achieved when the water balance, sanitation and filtration are monitored and adjusted to suit the bather load, contamination and temperature settings of the tub.

Each component of the treatment program will support a clean healthy bathing environment.

Regular maintenance routines will assist in maintaining optimum water quality.

Treating the hot tub requires the use of sanitising agents, most commonly used are Bromine compounds with a bi-weekly additions of Non-Chlorine Oxy Shock dose (50grams per 1000 litres).

IMPORTANT: the hot tub cover **MUST** be left off for 10 minutes, with the circulating pump operating when using non-chlorine oxy shock..

Heavy bathing loads will require extra bromine to be added.

NOTE: you should separate the daily dosage if the bather load requires more than the standard daily requirement.

BROMINE

Bromine is added to the hot tub via a dispenser, which is floating on the tub's water surface.

The bromine dissolves slowly into the water providing the sanitising the tub needs.

Bromine is in a 20 gram tablet and 4 to 5 tablets should be added to the floater and the floater adjusted to maintain the correct level.

Set the dispenser to disburse at the level indicated on our instruction manual.

DAILY REQUIREMENTS

Maintain water level.

WEEKLY REQUIREMENTS

Test and add Non-Chlorine Shock dose and Bromine tablets as required.

Maintain water level.

Check the operating cartridge filter; clean as required.

Maintain water balance (ph and Alkalinity) - add and adjust as required.

Clean cover.

BI-WEEKLY REQUIREMENTS

Clean cartridge every week for the first month, then bi-weekly.

THREE - FOUR MONTHLY REQUIREMENTS

Drain and refill tub, generally every 3-4 months depending on usage.

Clean the inside of the tub when you change the water. Use a soft brush or garden hose

Clean cover.



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COMMON OPERATING PROBLEMS

Cloudy Water

Check the tubs PH 7.2 to 7.6 adjust as required.

Check filter; clean cartridge.

Extend circulating time.

Replace cartridge if cartridge is worn or unable to be cleaned, use cartridge-cleaning product.

Tub Smells of Chlorine? Eyes Stinging?

The fix for this problem is to burn out the bather wastes and make the tub safe to use again.

Shock dose the tub with non-chlorine oxy shock and leave cover off for 1 hour. If the tub has had extended heavy bather loading it may require the water being emptied if shock dosing does not solve the problem.

Tub feels slimy on the walls and floor

Check Ph and Alkalinity levels are adequate. Brush walls and floor with a soft brush, filter for 4 hours, clean cartridge filter after the 4 hours.

Other Spa Products

Wide ranges of speciality chemical products are available for enhancing the bather comfort and maintenance of the tub. For further information and details contact us.

FILTER CLEANING INSTRUCTIONS

IMPORTANT: Make sure all power is off when cleaning filter or doing anything with the pump.

Unscrew the filter top, pull off lid, take filter cartridge out and squirt thoroughly with a hose until clean.

It is a good idea to clean the cartridge with cartridge cleaner degreaser when emptying the hot tub, say every 3 months. The more you clean your filter, the more efficient it will be. If your filter is left unclean this will seriously affect the running of your hot tub.

A blocked filter can overwork the pump and stop the heater from turning on.

A new tub requires the filter to be cleaned every week until the tannins have settled down.

GENERAL INFORMATION

Your hot tub is a natural product. Below are a few dos and don'ts with your tub.

Do not water blast your hot tub, inside or outside. High pressure water will remove excessive quantities of grain from the wood, shortening the life of the wood and effectively the life of the hot tub.

Do not leave your hot tub empty for long lengths of time. Once the wood dries out there are no guarantees that it will expand into its original form and may leak for some time once refilled. You can leave them empty for a few days with the cover on in a moderate climate but you should keep the wood wet, if possible, by squirting water on the inside of the tub and leaving the cover on..

Cedar is a soft timber that needs to be looked after. Once your tub is installed it is likely that you will need to put a second coat of stain on to complete the exterior coating system. The two main colours are Black Ash and Colonial Honey.

If your tub is sunken into the ground or a deck in any way, it is important to check that soil hasn't built up around the base of the tub as the wood needs to breathe.

WATER REPLACEMENT PROCEDURE

The tub can be drained by gravity or pumped out. If draining by gravity, ensure power is turned off before operating valves. If the water is pumped out then refer to the instruction given to you at handover.

Once the tub is empty, you may want to spray the inside of the tub with a low-pressure hose (not a water blaster) to remove any debris.

Before you turn the unit back on, you will need to open the bleed valve on your filter to let air out of the system and water in. When water comes out of the bleed valve you can shut the valve and turn the system back on.

Once the tub is running and heating again the start up chemicals for new water are likely to be:

- 1 cup of Alkalinity increase (Sodium Bicarb)
- 1 teaspoon of PH increase
- Full Bromine dispenser

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