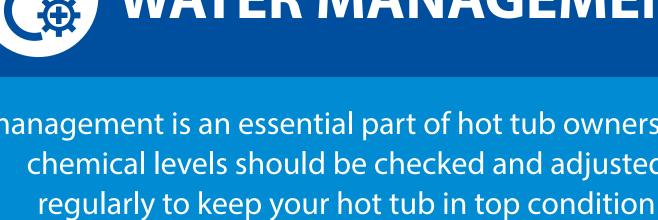


# HOT TUB TREATMENT GUIDE



## Water management is an essential part of hot tub ownership. Water chemical levels should be checked and adjusted

WATER MANAGEMENT

**ADDING CHEMICALS TO YOUR HOT TUB** 

**GRANULES LIQUIDS** 

As soon as the hot tub is filled with water, you need a (booster) shock dose of Stabilised Chlorine Granules. This is a larger dose than normal to

600

**Chlorine** 

pН

LITRES

600

800

1000

1200

800

1000

1200

**SYMPTON** 

Slippery sides

Green/Cloudy water/

Too much chlorine

pH hard to control

Cannot maintain

Chlorine levels

Foaming water

Cloudy water

Rough spa

Foaming

**GENERAL** 

Do not overload the spa.

**CHEMICAL HANDLING** 

as a dangerous reaction may occur.

Never use unlabelled chemicals.

Wash hands after handling spa chemicals.

not vice versa.

ventilated area.

with water.

**Chlorine Granules** 

pH Minus

pH Minus

sides / edges

## eliminate bacteria or contamination. Normally you need to aim for a Free Chlorine level of 3 5ppm, but the booster dose will raise the Free Chlorine level to approx. 10ppm and this high level needs to be

## maintained in the hot tub for a minimum of 2 ½ hours. This high level is likely to remain in the spa for at least 24 hours and will gradually drop over time. Only once the Free Chlorine levels fall between 3 5ppm

(after approx. 12 hours) can the hot tub be used.

HOW MUCH STABILISED CHLORINE GRANULES DO I NEED TO ADD TO MY HOT TUB? This depends on how many litres of water your hot tub holds **DOSE RATES INITIAL DOSE RATE** LITRES

12g

### 1000 20g 1200 24g

Stabilised Chlorine Granules	
DID YOU KNOW?  The correct free chlorine level keeps the warm spa water safe and bacteria free.	
DAILY	

## **WARNING** Very high Chlorine levels can bleach the indicator on the dip test

tub, you may need to increase the daily dose rates.

**Ideal Free Chlorine level: 3-5ppm** 

**DOSE RATES** TO INCREASE CHLORINE **LEVEL BY 1PPM** 

1.2g

1.6g

**2**g

2.4g

**8**g

10g

12g

**REMEDY** 

Shock dose with double

if time to drain/refill.

Allow time to naturally

Seek advice on how to

Shock dose with double

Repeat after 24 hours

Use Foam Reducer.

Clean cartridges or

Inadequate filtration. and refill. Retest water

consider if time to drain

and add chemicals, if

Ensure pH levels are

persists use a spa scale

inhibitor to stop calcium

Reduce water level and

top up with fresh water.

cleaning products or Avoid domestic household

cleaners.

correct and if scale

necessary.

raise total alkalinity.

dose Chlorine

if necessary.

dissipate or buy a

Chlorine reducer.

dose Chlorine or consider

and fluctuating Chlorine levels.			
Ideal pH	range: 7.2-7.6		
Clearwater® pH Plus is used to increase or Clearwater® pH Minus is used to decrease			
DOSE RATES			
LITRES	TO INCREASE OR DECREASE pH BY 0.1		
600	6g		

**ADJUSTING TOTAL ALKALINITY** 

Total Alkalinity (TA) is the measure of the water's ability to neutralise

acids. Balanced Total Alkalinity helps control the pH levels.

Unbalanced TA can cause irregular pH and Chlorine levels and cause

discomfort for bathers.

**Ideal Total Alkalinity level: 80-120ppm** 

Clearwater® TA Plus is used to increase and Clearwater® pH Minus is used to decrease **PROBLEM SOLVING CHART** 

**CAUSE** 

Inadequate

Overdose.

Alkalinity low.

Chlorine demand of

water too high at

holidays or due to

excess contamina-

tion or neglect.

Oils/detergents

Poor chemical

controls or

present.

start up, after

sanitiser. Algae

may be present.

### Too high Chlorine Check expiry date on test leading to bleaching strips. Wait for Chlorine of indicator pads level to drop and re-test. (over 15ppm

collecting debris along with regular chemical treatment that keeps the spa water safe and crystal clear. Most spas include a pump to circulate the spa water and a cartridge filter to keep the water clear and free of debris. You should run your spa's circulation every day referring to your spa Owner's Manual for more detailed advice. Note, when the cartridge filter is dirty, filter efficiency and circulation is impaired often leading to cloudy water. Rinse the cartridge filter weekly with clean water to remove debris. For a more thorough clean, use ClearWater cartridge cleaner.

**SAFETY TIPS** 

Do not allow water temperatures to exceed 40°c (lower for children).

Do not drink alcoholic beverages before or during use of your spa.

If you are pregnant, have high blood pressure or cardiovascular

Read instructions thoroughly on each product/ box before use.

When pre-dissolving chemicals always add chemicals to water and

Never mix different chemicals in concentrated forms, including these

kit products but also with other products like bleach or weed killers,

Always pre-dissolve chemicals in a clean, plastic container in a well

Avoid spillages but in the event of a spillage clean up using clean

receptacles and dispose of responsibly. Flush cleaned spill areas

conditions then consult your doctor before using your spa.

When changing (dirty) filter cartridges, wear gloves.

Do not leave non-swimmers / children unattended.

Do not use electrical appliances near water.

Use plastic and not glass around the spa.

**STORING CHEMICALS** Store chemicals well away from children and pets. Store in a secure, cool and dry place. **SPA ESSENTIALS** 





pH Plus

artridge Cleaner **Fast Action Tabs** Filter Cartridge

Always pre dissolve granules Apply directly to your hot tub with the pump and filter running using clean water in a container and carefully apply to your hot tub with the pump and filter running INITIALLY AFTER THE HOT TUB IS FILLED WITH FRESH WATER

# 800 16g A teaspoon = approx 5g

# **TESTING** Test your hot tub water using Clearwater® Dip Tests. The test strips will

quickly let you know if the Free Chlorine, pH and Total Alkalinity levels

are correct of need adjusting. Dip the strip into the water and remove

immediately. Hold the strip level for 15 seconds (without shaking off

excess water). Compare the strips results against the chart on the

Dip Test container.

## **ADDING CHLORINE** To maintain clean water that is safe to use, a daily dose of Stabilised Chlorine Granules may be required. Chlorine will be consumed even when the hot tub is not being used. If a lot of bathers are using the hot

**Total Alkalinity** 

## WHEN REQUIRED **ADJUSTING THE pH LEVEL** The pH level of your hot tub water is important. Correct pH levels ensure that the hot tub water is comfortable for bathers and the water is neither too acidic or alkali. Unbalanced pH can cause skin irritation, scale

formation, unpleasant smells, cloudy water, damage to components

## precipitating out of water. No colour change on test strip dip test

Detergent present

excessive algaecide

OTHER USEFUL INFORMATION

from incorrect

Chlorine).

use.

**HOW OFTEN DO I NEED TO DRAIN & REFILL MY SPA?** 

To avoid a build-up of pollution from bathers, it is recommended to

WHY IS WATER CIRCULATION AND FILTRATION SO IMPORTANT?

refresh the spa water by draining and re-filling every 2-3 months.

Scale formation.

It is a combination of circulating the water and the cartridge filter

pH Plus

Dip Tests

TA Plus

**TA Plus** 

**Dip Tests** 

**YOU MAY ALSO NEED** 

- Absorbaballs ™

For more ClearWater products please visit:

www.clearwaterchemicals.co.uk

Scale & Stain **Controller** 

Cleaner

- - **Anti-Bacterial Fast Action Tablets Spray**