



Setting Up A New Hot Tub

with AquaSParkle



Congratulations on your new purchase!

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Before you master the art of relaxation, you have to get your hot tub ready with a few simple steps.



Commissioning

Before your hot tub made it to your backyard, it needed testing in the factory to ensure all the components work. Residual water from the test can harbour bacteria and encourage microbiological contamination, such as Legionella.

Commissioning your spa involves adding a high dose of chlorine to remove any potentially harmful bacteria from the pipes and jets. Once you've completed the hot tub set up, you will be ready to soak and relax in your new spa!

What you will need for commissioning:

- AquaSParkle Rapid Shock or AquaSParkle Chlorine Granules
- Chlorine Reducer (recommended for quick spa entry)

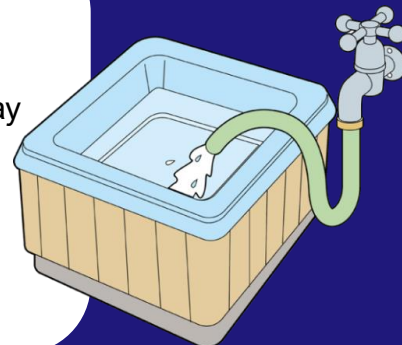


Commissioning Your Spa

Step 1 :

Fill the hot tub with fresh mains water. Run the hose for several minutes before filling the spa to flush out any dirt/bacteria that may have built up when out of use. Place the hose in either the filter housing or the skimmer basket to fill your spa.

Note: do not let the hose fall under the waterline (can cause backsiphoning)



Step 2 :

Add AquaSPARKle Rapid Shock to a container of warm water (30-40 degrees) to pre-dissolve the product. Check table 5 for dosing instructions on page 4. you are aiming to get 50mg/l of free chlorine in your water, to remove any bacteria or potential legionella.

Rapid shock is advised when commissioning a spa, if you don't have access to this product, you can use chlorine granules to achieve the commissioning dose (check table 6 for dosing)



Step 3:

Switch on your hot tub and allow sanitiser to dissolve and circulate. Then run all the pumps and open the air control valves. If your hot tub is fitted with them, operate all the diverter valves to ensure the water flows through all the hot tub jets and pipework. To ensure optimum sanitisation, circulate for an hour.

Step 4:

For quick spa entry, after the hour, it is recommended to lower the sanitiser level using Gold Horizons Chlorine Reducer to your water whilst the pumps are running. See table 4 for dosing instructions. Using this product is a cost effective way of using your spa quickly and safely. If you don't have any of this, you can partially drain the spa and dilute the water, or you can wait till the sanitiser levels have reduced naturally.

Important: when using chlorine reducer, do NOT add more than advised, as this will neutralise any sanitiser. A lack of sanitiser in your water allows bacteria to grow

Ideal chlorine levels for bathing are between 3-5mg/l

After Commissioning Your Spa

Commissioning your hot tub has removed any potential bacteria. Now you need to ensure your water is balanced. Having balanced water protects your spa from scale and corrosion, enables other chemicals such as bromine and chlorine to work more effectively and provides you with safe and luxurious water for bathing.



Step 5:

Dip a test strip in your spa water whilst the jets are off. Check the test strip bottle for instructions. Note: test strips can produce a no reading when chlorine is above 15mg/l as the chlorine bleaches the test strip.

Check the test strip in this order :

1.  2.  3. 

Step 6:

Introduce chemicals if the alkalinity is not within the recommended range (80-150mg/l)

→ If T.A is below 80, add T.A Increaser (see table 1)

→ If TA is above 150mg/l add pH minus (see table 2)

Step 7:

Introduce chemicals if the pH is not within the recommended range (7.2-7.6)

→ If pH is below 7.2, add pH Plus (see table 3)

→ If pH is above 7.6 add pH minus (see table 2)

Step 8:

If you live in a hard water area, then your hot tub is prone to scale build up (easiest way to tell if is your kettle suffers from limescale build up). This can cause cloudy water and scale build up in the pipes and can render your heater inefficient. To minimise the risk of this, you should add 50ml ScaleAway to your spa now and then 25ml weekly.



New Spa Check List

Step 1

Fill your spa

If using a hose, remember to run it for several minutes before using it to fill the spa. Place hose in the skimmer basket or filter housing (avoid the end of the hose being in contact with the water).

Step 2

Add Rapid Shock – see table 5 for dosing

Pre-dissolve granules in a bucket of warm water (30-40 degrees). IF you don't have Rapid Shock, use Chlorine Granules to achieve 50mg/l (see table 6 for dosing)

Step 3

Ensure chemical is dissolved

Run pumps, open air control valves and diverter valves

Leave spa water to circulate for 1 hour

Step 4

Option 1 (quick turnaround): Add Chlorine Reducer – see table 4 for dosing

Option 2 : Partially drain spa water safely and refill the spa with fresh water

Option 3 (slow turnaround): Leave chlorine to reduce naturally

Step 5

Test water using a test strip**

My reading for T.A (total alkalinity) is _____

My reading for pH is _____

My reading for chlorine is _____

Step 6

T.A between 80-150mg/l (go to step 7)

If TA is below 80mg/l, add T.A Plus (see table 1)

If TA is above 150mg/l, add pH Minus (see table 2)

Go to step 7 when T.A is in the desired range

Step 7

pH between 7.2-.7.6

If pH is below 7.2, add pH Plus (see table 3)

If pH is above 7.6, add pH Minus

Step 8

Get pH to desired range. Hard water → step 8. Soft water → step 9

Add 50ml ScaleAway to spa

Step 9

Make sure the spa is at the temperature you want. Grab you favourite people, your favourite playlist and enjoy! Note chlorine levels should be 3-5mg/l when bathing.



Dosing Tables

1tsp =
approx.
5g

Table 1: Increasing Total Alkalinity (T.A Plus)

Spa Volumes		To increase total alkalinity by 10mg/l	To increase total alkalinity by 25mg/l
Litres	Gallons		
500	110	2tsp	6tsp
1,000	220	4tsp	9tsp
1,500	330	6tsp	12tsp



Table 2: Decreasing Total Alkalinity (pH Minus)

Spa Volumes		To decrease total alkalinity by 10mg/l	To decrease total alkalinity by 25mg/l
Litres	Gallons		
500	110	3tsp	7tsp
1,000	220	5tsp	13tsp
1,500	330	7tsp	19tsp



Table 3 : Altering pH (pH Plus & pH Minus)

Spa Volumes		Dosing	
Litres	Gallons	To increase pH, add pH Plus	To decrease pH, add pH Minus
		500	110
1,000	220	2tsp	2tsp
1,500	330	3tsp	3tsp



Table 4 : Reducing Chlorine Levels (Chlorine Reducer) (Do NOT overdose this product)

Spa Volumes		Dosing
Litres	Gallons	Approx. dose to reduce chlorine
500	110	¼ bottle
1,000	220	½ bottle
1,500	330	¾ bottle



Table 5 : Commissioning Dose (Rapid Shock)

Spa Volumes		Dosing
Litres	Gallons	Approx. dose to achieve 50mg/l of chlorine
500	110	7tsp
1,000	220	14tsp
1,500	330	22tsp



Table 6 : Commissioning Dose (Chlorine Granules)

Spa Volumes		Dosing
Litres	Gallons	Approx. dose to achieve 50mg/l of chlorine
500	110	10tsp
1,000	220	20tsp
1,500	330	30tsp



Table 7 : Regular Sanitiser Dosing (Chlorine Granules)

Spa Volumes		Dosing
Litres	Gallons	Approx. dose to increase chlorine by 3mg/l
500	110	½ tsp
1,000	220	1tsp
1,500	330	2tsp



New Spa Tips

Drain your spa every 2-3 months to freshen up your water

Test your water daily so you know your spa is in the ideal ranges for safe and comfortable bathing

Showering before getting into your spa will remove any cosmetics and body oils that can cause water to go cloudy and foamy

Remember to always add chemicals to water when pre-dissolving granules and not the other way round

Get an annual service to give your spa a deep clean. The pipework can build up grime if not properly flushed out

Always contact the showroom you bought your spa from to seek advice on hot tub water care

To enhance your experience, add your favourite beverage to your hand, favourite people to the spa and put your favourite playlist on

Balancing and sanitising your water effectively will prevent a need for costly remedy treatment in the future

**This guide gives
comprehensive guidance
on setting up a new hot tub.
For further information,
please contact your
AquaSPARKle dealer or
contact the Technical
Helpline below.**

**Technical Helpline:
0371 222 9084**

