

ARTESIAN SPAS SALT SETUP

Included Products

Chlorine Startup Kit (White Bucket):



SPA CHLOR



CALCIUM
HARDENER



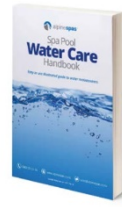
PH BUFFER



PH DECREASE



TEST STRIPS



CHLOR KIT GUIDE

Product	Purpose
Spa Chlor	Used to shock & clear up water if cloudy
Calcium Hardener	Used to raise calcium in water if low
PH Buffer	Used to raise Alkalinity (and some pH) in water if low
PH Decrease	Used to decrease pH in water if too high
Test Strips	Used to measure the above components
Chlor Kit Guide	Guide to using the above products

Other Items:



20KG POOL
SALT



100g Bromine
Activator



Salt Test Strips

Product	Purpose
20kg Pool Sat	Used to add salt into water
100g Bromine Activator	Added to water to make the system produce bromine
Salt Test Strips	Used to measure salt level (ppm) in spa pool

Setting up the Spa

Start-up:

1. Fill the Spa Pool through the Filter area (remove one of the filters, the smaller one if included, and place hose inside filter box trying to get the water to go down through the filter pipe.
2. Once filled, replace cover and allow the spa to heat up to temperature (10-14 hours).
3. Once water is hot, using ONLY products from the 'Chlorine Startup Kit' (white bucket), test & balance the water.
Dip the test-strip (non-salt strips) in horizontally to lessen the chance of the colours running and giving a false reading. Tip any excess water off (still holding the strip flat). Balance the Alkalinity first, then the pH, then the Hardness. Alkalinity helps the pH stabilise, and the pH helps the sanitiser (bromine) be effective. See the guidebook provided in the start-up kit for help.
4. Set Filtration Times on the Spa Pool to 4 hours (2x 2hour duration cycles).
(See Pages 3-4)
5. Add 'Bromine Activator' to water at a rate of 50grams per 1000litres.
Mix in a bucket of water first to dissolve.
(See Page 5 for specific model info & quick tables)
6. Add 'Pool Salt' to the water at a rate of 2.5kg per 1000litres.
Mix in a bucket of water first to dissolve.
(See Page 5 for specific model info & quick sheet)
7. Run jet pumps to circulate & mix the Salt + Activator.
8. Adjust the ORP dial on the EcoSpa unit to approximately the 10 o'clock position.
(See Page 6)
9. Allow Spa to run for 24hours. Sanitiser will be produced during this time and the spa should not be used until this initial period is finished.
10. Re-visit the Ecospa unit and check for 'Within Range' light
(See Page 6)
11. A few days later, test water with salt strips to confirm correct salt level. Optimum salt levels are around 6.4 on strip (approx. 3000ppm). Adjust as necessary. To reduce salt, water must be diluted (drain a small amount of the water and refill a bit). (See Page 7).

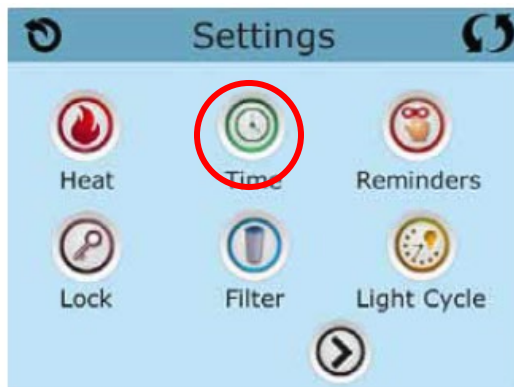
How to Adjust the Filtration Times

First Set the System Time:

1. From the home screen, select the settings button:



2. From within the Settings Screen, Select the time / clock icon:



3. On the Time of Day Screen, simply select the hours and minutes. Use the up and down buttons to make changes and then press the tick icon to save.



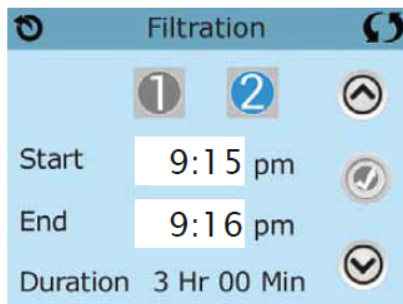
After Setting the time, Change the Filtration Cycles:

1. Navigate back to the settings screen and select the filtration icon:



2. Filtration is likely pre-set to 24 hours, with 1 of 2 filtration cycles active.

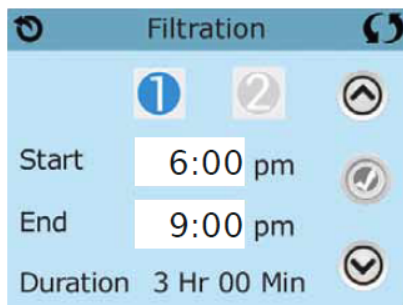
For Salt, both filtration cycle 1 and 2 should be enabled and set to 2-hour duration (total of 4 hours filtration per day). Using the same adjustment as setting the time, filter cycles are set using a start time and an end time. Each setting can be adjusted in 15-minute increments. The panel calculates the end time and displays it automatically. The selected time of day for filtration is user choice.



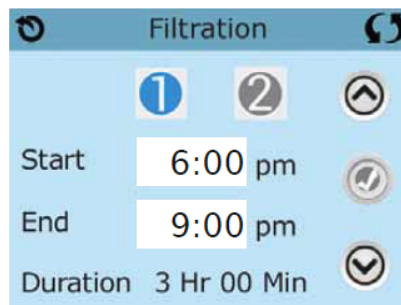
Filter Cycle 2 - Optional Filtration

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.

Salt & Bromine Activator Quick Tables (Start-up)

Bromine Activator should be added at a rate of 50grams per 1000litres of water (at start-up).

Pool Salt should be added at a rate of 2.5kg per 1000litres (at start-up).

Addition of products does not need to be 100% accurate, rough approximates are fine.

Bromine Activator (100g white tub)

	Spa Litres	50g per 1000L	Equates to (roughly)
Nevis	1173	58.65g	6 flat teaspoons
Antigua Elite	1419	70.95g	7 flat teaspoons
Captiva Elite	1514	75.7g	7 flat teaspoons
Barbados	1703	85.15g	8 flat teaspoons
Grand Bahama Elite	1703	85.15g	8 flat teaspoons
Isla Margarita	2082	104.1g	Whole Tub (100g)



Pool Salt (20kg Bag)

	Spa Litres	2.5kg per 1000L (rounded)	Equates to Standard household bucket (dry)*
Nevis	1173	3kg	2.4L
Antigua elite	1419	3.5g	2.7L
Captiva Elite	1514	3.5kg	2.7L
Barbados	1703	4.0kg	3.3L
Grand Bahama Elite	1703	4.0kg	3.3L
Isla Margarita	2082	5.0kg	4L



**if you don't have scales to measure out kg of Salt, you can use a standard household bucket to measure the salt in litres. The measurement is of salt dry, without water added.*

Example of 1L salt (dry) in standard 10L household bucket:



Adjusting the ORP Dial

Initially Setting the Dial (Start-up Step #8)

The ORP dial is found on the EcoSpa unit which is inside the hatch on the side of the spa pool cabinet. (note: the Ecospa unit may be mounted horizontally on its side inside the hatch).

As part of the start-up process, the dial should first be adjusted to approximately the 10 o'clock position (regardless of the ORP REDOX reading)



Example: ORP dial at 10 o'clock position (approx.)

Adjusting the Dial for ORP Range (Start-up Step #10)

After allowing time for the system to produce sanitiser (24 hours), the EcoSpa unit then needs to be re-visited to check the ORP REDOX (left side of unit) is indicating 'within range'.



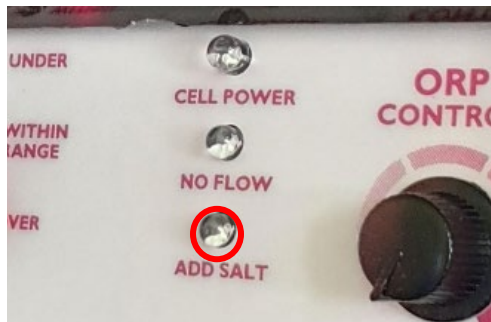
If it is still indicating 'UNDER' or 'OVER', allow the system another 24 hours to run, but using the spa should now be possible. After a further 24 hours, check the light again, if it is still not 'Within Range' test your water with your Statup-Kit test strips and check pH / Alkalinity. If these parameters are out, balance them and re-check the light, if no success please call our tech team on 0800 99 33 88.

Checking Salt Levels

AquaChek Salt Test Strips are provided to check the spa pool water for optimal salt levels (once salt has been added).

Salt should ideally be kept at around 2500-3000ppm for the system to work most effectively. Note that once salt has been added to the pool, levels should stay stable unless excessive splashing occurs.

The test strips will indicate the level quickly but the Ecospa unit may also indicate when salt is very low via the 'ADD SALT' LED light:



To test for salt, follow the instructions provided in the packaging or see the helpful video on our support page, via the 'water care' tab:

<https://alpinespas.co.nz/support/>



Spa Pool & Controls

Installation & Electrics

Water Care

Saunas

Warranty

 Water Care Guides

Ongoing Maintenance & Notes

- Once setup correctly, the Spa should need little maintenance.
- Test weekly with the regular test strips for pH, Alkalinity and Calcium hardness and adjust as necessary.
- Check the EcoSpa unit regularly to monitor salt levels and ORP REDOX range.
- If more sanitiser is required, increase the ORP dial by turning it clockwise, try small increments and allow 24 hours before checking again. Filtration cycle duration can also be increased slightly if required, it will depend on bather load and frequency.
- If salt levels are low, add Pool Salt at a rate of 2.5kg per 1000litres. Then add Bromine Activator at a rate of 20g per 1kg salt added.
- The Red "NO FLOW" LED may be illuminated at times when the pump is not running and is normal. During this time, the "UNDER", "OVER" lights may be on and providing an inaccurate result. Always force a pump on to circulate water first if you wish to check the ORP REDOX.
- The green "CELL POWER" light indicates the system is producing sanitiser.