

Water Guide

Everything you need to know about balancing your water for the first time. For ongoing maintenance and troubleshooting support, please visit www.galaxyspas.co.nz/support.

Galaxy Super Chlor Start Up Kit

Galaxy has engineered our chlorine system to be gentle on skin, soft in smell and of course, effectively sanitise your water.

Before Starting

Spa volume.

You will need to know your spa's volume (number of litres) to use the charts in this guide. Small deviations in the volume will not affect the water balancing.

Rosa	780L
Lunar	820L
Ceres	590L
Venus, Capella	540L
Juno, Aquila I, Aquila II, Jupiter	1080L
Orion	1350L
Hydra	1480L
Draco I, Draco II, Ara I, Ara II	960L
Lyra	1160L
Andromeda	1490L
Solarium	1350L
Columba	1380L

First Treatment - Chlorine Shock Dosing

You must shock dose your spa the first time you fill it with water. Shock dosing refers to adding a higher than normal dose of chlorine to the water. This is extremely important for good long term water chemistry and ensures surface bacteria is killed before first use.

Super Chlor shock dose chart.

Spa	Ceres, Venus, Capella	Rosa, Lunar	Juno, Aquila I & II Jupiter, Draco I & II, Ara I & II	Orion, Lyra	Hydra, Andromeda, Solarium, Columba
Shock dose	2 ¼ tsp	3 ¾ tsp	4 ½ tsp	5 tsp	5 ½ tsp

Instructions:

1. Remove your cover and headrests to protect the fabric.
2. Add Super Chlor to a bucket of water and mix to combine.
3. Add the bucket mix to your spa.
4. Run the pumps to mix for at least 20 minutes and then replace the cover and headrests.
5. Wait 24 hours after shock dosing before using your pool.

Shock dosing can also be carried out as part of normal maintenance if you notice your water is discoloured or not crystal clear.

Daily Treatment

Super Chlor should be used every day at roughly the same time, ideally straight after using the spa.

Super Chlor daily dosage chart.

Spa	Ceres, Venus, Capella	Rosa, Lunar	Juno, Aquila I & II Jupiter, Draco I & II, Ara I & II	Orion, Lyra	Hydra, Andromeda, Solarium, Columba
Shock dose	1 tsp	1 ¾ tsp	2 ¼ tsp	2 ½ tsp	2 ¾ tsp

Start Up Kit Contents

Below are the contents of the kit and how to use the products to achieve optimum water chemistry.

- + **AquaChek Test Strips** - used to test your water chemistry.
- + **Super Chlor** - used to disinfect the water and keep it fresh by killing any bacteria.
- + **pH Decrease** - if your pH is above 7.8, the water is too alkaline / basic. This can cause problems such as cloudy water and skin / eye irritation. You need to lower the pH to within the normal range (7.2 - 7.8) by using this product.
- + **Alkalinity Up** - if your alkalinity is not in the optimal range, you will have trouble maintaining a stable pH as it is easily affected by changes in the water. Use Alkalinity Up to increase the total alkalinity to the correct range, which helps to maintain the pH level.
- + **Water Hardener** - also referred to as total hardness. This product raises the calcium levels in the water and helps to prevent corrosion of pumps and heater parts. Town water supply generally contains an optimum amount of calcium and should require minimal balancing.
- + **Cartridge Cleaner** - a concentrated cleaning solution that removes dirt, oil, body fats, grease and film from filter cartridges.

Recommended Water Quality

It is important to check your chemical balance weekly.

When carrying out your water test, results should fit within these ranges.

	Minimum	Ideal	Maximum
pH ppm	7.2	7.4 - 7.6	7.8
Free Chlorine ppm	2.0	3.0 - 5.0	10.0
Alkalinity ppm	60	100 - 200	250
Calcium hardness ppm	150	200 - 400	500

- + ppm = parts per million.
- + Avoid testing immediately after a chlorine shock dose, as high chlorine levels can alter the test kit's accuracy.
- + Remember to ensure your chemicals are within their use-by date. Testing results may not be accurate otherwise.

Balancing Your Water

How to use testing strips:

1. Dip and remove the strip (do not shake).
2. Wait 15 seconds.
3. Compare strips to the colour chart on the AquaChek bottle.

Based on the results, treat the water using the charts below.

Helpful conversions:

- 3 teaspoons (tsp) = 1 tablespoons (Tbsp).
- 1 tablespoon (Tbsp) = 15 grams (g).
- 8 tablespoons (Tbsp) = ½ Cup.
- 16 tablespoons (Tbsp) = 1 Cup.
- 1 kilogram (kg) = 4.23 Cups.



pH Decrease - lowering total alkalinity and decreasing your pH levels.

Desired ppm decrease	Ceres, Venus, Capella	Rosa, Lunar	Juno, Aquila I & II, Jupiter, Draco I & II, Ara I & II	Orion, Lyra	Hydra, Andromeda, Solarium, Columba
.2	1 tsp	1 ⅔ tsp	2 tsp	2 ½ tsp	2 ¾ tsp
.4	2 tsp	3 ¼ tsp	4 tsp	4 ¾ tsp	5 ⅔ tsp
.6	3 tsp	4 ¾ tsp	6 tsp	7 ¼ tsp	8 ¼ tsp
.8	4 tsp	6 ½ tsp	8 tsp	9 ⅔ tsp	11 ¼ tsp
1.0	5 tsp	8 tsp	10 tsp	12 tsp	14 tsp

Alkalinity Up - balancing total alkalinity with alkalinity up.

Desired ppm increase	Ceres, Venus, Capella	Rosa, Lunar	Juno, Aquila I & II, Jupiter, Draco I & II, Ara I & II	Orion, Lyra	Hydra, Andromeda, Solarium, Columba
10	¾ Tbsp	1 Tbsp	1 ¼ Tbls	1 ½ Tbls	1 ¾ Tbsp
20	1 ¼ Tbsp	2 Tbsp	2 ½ Tbls	3 Tbls	3 ½ Tbsp
30	1 ¾ Tbsp	3 Tbsp	3 ½ Tbls	4 ½ Tbls	5 ¼ Tbsp
40	2 ¼ Tbsp	4 Tbsp	4 ¾ Tbls	6 Tbls	7 Tbsp
50	3 Tbsp	5 Tbsp	6 Tbls	7 ½ Tbls	8 ¾ Tbsp
60	3 ½ Tbsp	6 Tbsp	7 Tbls	9 Tbls	10 ½ Tbsp
70	4 Tbsp	7 Tbsp	8 ¼ Tbls	10 ½ Tbls	12 ¼ Tbsp
80	4 ¾ Tbsp	8 Tbsp	9 ½ Tbls	12 Tbls	14 Tbsp
90	5 ¼ Tbsp	9 Tbsp	10 ½ Tbls	13 ½ Tbls	15 ¾ Tbsp
100	6 Tbsp	10 Tbsp	11 ¾ Tbls	15 Tbls	17 ½ Tbsp

Water Hardener - for increasing calcium content and total hardness

Desired ppm increase	Ceres, Venus, Capella	Rosa, Lunar	Juno, Aquila I & II, Jupiter, Draco I & II, Ara I & II	Orion, Lyra	Hydra, Andromeda, Solarium, Columba
50	2 1/3 Tbsp	3 3/4 Tbls	4 3/4 Tbsp	5 3/4 Tbsp	6 3/4 Tbsp
100	1/3 Cup	1/2 Cup	2/3 Cup	3/4 Cup	3/4 Cup + 3 Tbsp
200	2/3 Cup	1 Cup	1 1/4 Cup	1 1/2 Cup	1 3/4 Cup
300	1 Cup	1 1/2 Cup	1 3/4 Cup	2 1/4 Cup	2 1/2 Cup

Cyanuric Acid - once this gets to over 50, it is time to drain your spa.

Cartridge Cleaner - we recommend that you clean your spa's filters fortnightly:

- + Soak for 24 hours in a bucket with a cartridge cleaner.
- + Rinse with water and dry thoroughly to reduce frothing.
- + Place back into the pool.

Draining your spa - it is advised that you change your water every three months.

If you are struggling to keep your water in balance, your water chemistry is likely too hard and you will need to drain your spa and start again. Please note that our technical services team are not water chemistry experts, so we recommend contacting a local water expert for ongoing assistance and maintenance.