



**blue***horizons*

[www.blue-horizons.co](http://www.blue-horizons.co)

# Pool Care Guide

Pool Treatment Chemicals



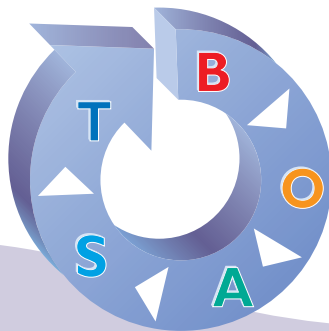
# Introducing the **BOAST** System - pool water care made easy

Welcome to pool ownership with Blue Horizons! Learning about how your pool works will help you achieve clean and safe water that is comfortable for you and your family to enjoy.

This guide will help you understand pool maintenance and water treatment using chlorine or bromine sanitisers, emphasising the importance of correct chemical levels and filtration for clear water. We aim to simplify the process with our **BOAST** system of continuous pool care, ensuring you can manage your pool economically and enjoyably, resulting in sparkling pool water throughout the season.

Request a Blue Horizons maintenance chart from your local dealer where you can fill in details of your pool, which will be helpful for dosing products, cleaning, changing filter media, or discussing issues with your product supplier.

There is a section on pool and chemical safety at the back of this guide. Please read through it thoroughly before you begin treating your pool. Always follow the manufacturer's instructions printed on the chemical containers.



- B** Balance your pool water for bather comfort and maximum chemical efficiency
- O** Oxidise to establish a sanitiser level then weekly to destroy waste compounds
- A** Algae prevention, stop algae establishing themselves in your pool water
- S** Sanitise, maintain a constant sanitiser level to prevent and kill bacteria
- T** Test your water frequently, you really don't know what the levels are without testing

## CONTENTS

Introduction to the BOAST System	1
Understanding your pool	2
Circulation and Filtration	3
Balance your pool	4
Oxidise your pool water	7
Algae Prevention in your pool water	8
Sanitise your pool water	9
Testing your pool water	13
Beyond the BOAST System - Specialities, Cleaners and Clarifiers	14
Preparing the pool for the winter	17
Safety information	17
Chemical hazards	18

# Understanding your pool

## How to calculate your pool volume

### Rectangle Pool:

Cubic Metres (M<sup>3</sup>) – Length in Metres x Width in Metres x Average Water Depth in Metres

Example 9.0 Metres x 4.5 Metres x 1.5 Metres = 60.75M<sup>3</sup>

Gallons - Length in Feet x Width in Feet x Average Water Depth in Feet x 6.25

Example 30' x 15' x 5' x 6.25 = 14,063 Gallons

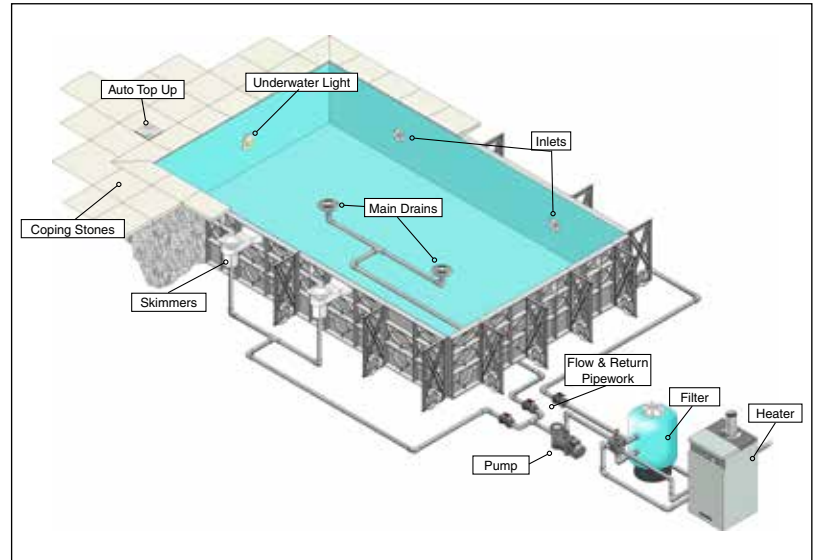
### Round Pool:

Cubic Metres (M<sup>3</sup>) - Diameter in Metres x Diameter in Metres x Average Water Depth in Metres x 0.8

Example 4.5 Metres x 4.5 Metres x 1.0 x 0.8 = 16.2 M<sup>3</sup>

Gallons - Diameter in Feet x Diameter in Feet x Average Water Depth in Feet x 4.9

Example 15' x 15' x 3'6" x 4.9 = 3,859 Gallons



## Useful Information

To convert	Into	Multiply By
Inches	Millimetres	25.4
Feet	Metres	0.30480
Metres	Feet	3.2808
Square Feet	Square Metres	0.0929
Square Metres	Square Feet	10.764
Ounces	Grams	28.3495
Grams	Ounces	0.03527
Pounds	Kilograms	0.45359
Kilograms	Pounds	2.20462

To convert	Into	Multiply By
Pints	Litres	0.568
Litres	Pints	1.761
Gallons	Litres	4.546
Litres	Gallons	0.22
Cubic Metres of Water	Gallons	220
Horse Power	Watts	746
Watts	Horse Power	0.00134
Kilowatts	BTU	3412
BTU	Kilowatts	0.000293

# Circulation & Filtration

Once your pool is full of water, you can begin preparing it for use. The first thing to consider is the circulation system. When your pump is running it draws water from the pool via suction fittings such as the main drain(s) and skimmer(s), see Understanding your Pool on page 2, and pushes it through your filter, heater and chemical feeder before returning to the pool via the inlets. As water flows through the filter, small particles are captured and retained within the filter media – this removal of particles is essential and is how your water clarity is achieved and maintained. As the water is only filtered when it is being circulated, we recommend that you run the pump for a minimum of eight hours per day, and for best results 24-hours a day during the swimming season.

There are generally 2 types of filters used for swimming pools – cartridge and sand. Cartridge filters are more commonly used on smaller above ground pools while in-ground pools usually have sand filters.

## Cartridge Filters



Inside the filter you will find a cartridge element that the pool water flows through. As water passes through the element, particles and debris are removed and collected within the pleats of the cartridge. As the debris builds up, the water flow through the pleats reduces to such an extent that it becomes time to clean it. Turn off the

pump and remove the element from its housing. Rinse it thoroughly with a garden hose, and then soak overnight in a solution of Blue Horizons Filter Cleaner. You can also use AquaSPARKle Instant Filter Cleaner, Cartridge Cleaner or Immerse Sachets.

**Note:** don't use a pressure washer as it will cause damage to the pleats.

## Sand Filters



The advantage of sand filters is that you don't have to remove and clean cartridge elements making it easier and less time consuming to maintain. In place of the cartridge element the filter tank contains specially graded sand and as the water flows through, particles are trapped and retained creating clear water. As more and more particles are retained, the flow of water through the filter reduces and the pressure within the tank increases. You will notice this on the pressure gauge, which is usually on the multiport selector valve or on top of the filter tank. To remove the particles trapped in the sand you need to backwash the filter, typically weekly or more frequently if the pressure gauge indicates so.

When you backwash a sand filter, the water flow through the filter is reversed, meaning the water comes into the filter from the bottom and rises through the sand, dislodging debris on the top. The backwash water goes to waste, and not back into the pool.

Firstly, make sure there is sufficient water in the pool – the level should be about halfway up the skimmer opening, then turn off the pump. If there is a valve on your waste line make sure this is open, turn the multiport selector valve to the backwash position and turn the pump back on. On the multiport selector valve there should be a sight glass, you will initially see that the water coming through is dirty and /or cloudy, once the water in the sight glass is clear, usually after 2 – 3 minutes, you can stop the backwash by turning the pump off. After the backwash, turn the multiport selector valve to rinse and turn the pump on again, wait until the water in the sight glass is clear again, 20 – 30 seconds normally, then turn the pump off again. If you opened a valve on the waste line you should now close it. Turn the multiport selector valve to filtration and turn the pump back on - the backwash procedure is now complete.

Although backwashing the filter removes debris caught in the filter sand it doesn't clean the sand, so to maintain the filters efficiency it should be chemically cleaned annually using Blue Horizons Filter Cleaner as per directions printed on the product label.

# Balance your pool water

Establishing and keeping the correct water balance is important for a number of reasons:

- Chemical efficiency
- Bather comfort
- Water quality and appearance
- Protection of pool and plant room equipment
- Makes it easier and less time consuming to look after the pool

Some believe that keeping the right pH is all you need to achieve the correct water balance, this isn't the case and while pH is important there are other factors that need to be considered. In the table below we have illustrated the properties that make up water balance and the ideal levels that should be maintained.

## Ideal Pool Water Levels

Calcium Hardness	Total Alkalinity	pH	Total Dissolved Solids
200mg/l	80 – 150mg/l	7.2 – 7.6	Less than 1,500mg/l

## Calcium Hardness

Calcium hardness is the measure of how hard or soft the water is. The level will vary depending on where your water supply comes from. In some areas of the UK water is very soft and in others the water can be very hard. The hardness depends upon the number of mineral salts (mainly calcium) that are dissolved in the water, the more salts there are the harder the water is.

## Problems Associated with Incorrect Calcium Hardness Levels

Low calcium hardness Less than 200mg/l	High calcium hardness More than 200mg/l
<ul style="list-style-type: none"> <li>• Corrosive water</li> <li>• Etching of surfaces</li> <li>• Staining</li> <li>• Foam</li> </ul>	<ul style="list-style-type: none"> <li>• Scale formation</li> <li>• Filter calcification</li> <li>• Cloudy water</li> <li>• Lower sanitiser effectiveness</li> </ul>

If the calcium hardness of your pool water is less than 200mg/l then it should be increased using Blue Horizons Calcium Hardness Raiser, details of dose rates can be found below:

### Blue Horizons Calcium Hardness Raiser Dose Rates. Available in 5kg & 25kg.

Pool Volume	To Increase Calcium Hardness by			
	Litres	Gallons	10mg/l	25mg/l
4,546	1,000	68g	170g	340g
11,365	2,500	170g	425g	850g
22,730	5,000	340g	850g	1.70Kg
45,460	10,000	680g	1.70Kg	3.40Kg

If the calcium hardness of your pool water is greater than 275mg/l then Blue Horizons Stain and Scale Inhibitor should be used. Stain and Scale Inhibitor works by helping the pool water keep the minerals in solution thus preventing them from precipitating out and causing scale deposits (which are then more easily removed by the filter). Dosages below:

### Blue Horizons Stain & Scale Inhibitor Dose Rates. Available in 1ltr.

Pool Volume	Dose Rates		
	Litres	Gallons	Initial
4,546	1,000	100ml	50ml
11,365	2,500	250ml	125ml
22,730	5,000	500ml	250ml
45,460	10,000	1.00Ltr	500ml

# Balance your pool water

## Total Alkalinity

Total alkalinity is a measurement of the water's ability to resist pH change. If the total alkalinity is low, then the pH can fluctuate making it hard to control and maintain. If the total alkalinity is high, then the pH will be hard to change and will keep rising. High total alkalinity can lead to a bicarbonate scale formation on pool surfaces, in pipework and in plant room equipment. If the total alkalinity of your pool water is below 80mg/l it should be increased using Blue Horizons TA Raiser, the table opposite indicates the dosage quantities required. If the total alkalinity of your pool water is above 150mg/l then Blue Horizons TA Reducer can be used to lower it.

## Chlorine Stabiliser

A big reason for chlorine loss in swimming pools is that it is drawn out of the pool by the sun's UV rays. Adding chlorine stabiliser to an outdoor pool at the start of the swimming season will reduce the amount of chlorine lost to sunlight, saving you money.

Many of the chlorine donors used to treat the pool water already contain stabiliser, so we recommend that you get the level tested by your Blue Horizons supplier before adding any. The ideal chlorine stabiliser level is 60mg/l, if the level in your pool is less than this use Blue Horizons Chlorine Stabiliser granules to increase it.

If the stabiliser level is more than 200mg/l it is time to drain some of the water out of the pool and top it up with some fresh water. As with T.D.S. levels, frequent top ups with fresh water due to regular backwashing will help to keep the chlorine stabiliser level from rising too high.

Remember that water balance can change with dilution, so keep checking the levels throughout the swimming season.

## Blue Horizons TA Raiser Dose Rates.

Available in 5kg & 25kg.

Pool Volume		To Increase Total Alkalinity by		
Litres	Gallons	10mg/l	25mg/l	50mg/l
4,546	1,000	81g	203g	405g
11,365	2,500	203g	508g	1.01Kg
22,730	5,000	405g	1.01Kg	2.02Kg
45,460	10,000	810g	2.02Kg	4.05Kg

## Blue Horizons TA Reducer Dose Rates.

Available in 5ltr.

Pool Volume		To Reduce Total Alkalinity by		
Litres	Gallons	10mg/l	25mg/l	50mg/l
4,546	1,000	100ml	250ml	500ml
11,365	2,500	250ml	625ml	1.25Ltr
22,730	5,000	500ml	1.25Ltr	2.50Ltr
45,460	10,000	1.00Ltr	2.50Ltr	5.00Ltr

## Blue Horizons Chlorine Stabiliser Dose Rates.

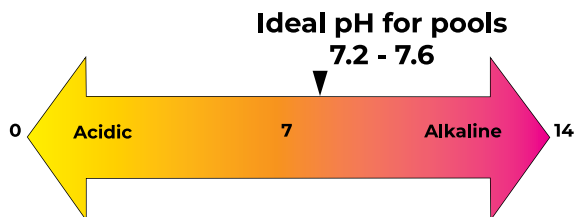
Available in 2kg.

Pool Volume		Chlorine Stabiliser Granules To Increase Level by		
Litres	Gallons	10mg/l	25mg/l	60mg/l
4,546	1,000	45g	113g	271g
11,365	2,500	113g	283g	678g
22,730	5,000	225g	563g	1.36kg
45,460	10,000	450g	1.12kg	2.71kg

# Balance your pool water

## pH

pH is a measure of how acidic or how alkaline the water is.



As you can see from the diagram the pH scale is 0 to 14, with 0 being very acidic, 14 very alkaline, and neutral at 7. The pH in pools should be maintained between 7.2 and 7.6, this being slightly alkaline protects the pool and plant room equipment from aggressive, corrosive water and is comfortable for bathers.

## Problems Associated with Incorrect pH Levels

pH below 7.2	pH above 7.6
<ul style="list-style-type: none"> <li>• Corrosive water</li> <li>• Etching of surfaces</li> <li>• Staining</li> <li>• Skin &amp; eye irritation</li> <li>• Damage to plant room equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Scale formation</li> <li>• Filter calcification</li> <li>• Cloudy water</li> <li>• Drying to Skin</li> <li>• Reduced effectiveness of chlorine</li> </ul>

If the pH of your pool water is either low or high it should be corrected using Blue Horizons pH Plus or Blue Horizons pH Minus, respectively. The table opposite will help you calculate the dose rate to suit your pool:

**Blue Horizons pH Plus.** Available in 1kg, 5kg & 25kg.

**Blue Horizons pH Minus.** Available in 1.5kg, 7kg & 25kg. **Dose Rates.**

Pool Volume		pH Plus (to increase pH)		pH Minus (to lower pH)	
Litres	Gallons	Dose Rate		Dose Rate	
4,546	1,000	50g	Re-check pH	50g	Re-check pH
11,365	2,500	125g	after 24 hours	125g	after 24 hours
22,730	5,000	250g	& repeat dose	250g	& repeat dose
45,460	10,000	500g	If required	500g	If required

## Total Dissolved Solids (T.D.S.)

T.D.S. is, as the name suggests, the sum of everything that is dissolved in the water including, minerals, chemicals and debris. The maximum recommended T.D.S. level is 1,500mg/l, when the level rises above this it is time to do some dilution, by removing some of the old pool water and adding some fresh. High T.D.S. levels can cause poor chemical efficiency and increase consumption together with dull looking water that may taste salty. Regular backwashing of the filter as mentioned on page 3 will mean that your pool will need topping up with fresh water fairly often, this will help keep the T.D.S. level under control.



# Oxidise your pool water

Swimmers and rain will introduce wastes into your pool water. As these waste compounds build up, they become a food source for bacteria and algae encouraging their growth and making your pool water unhealthy and cloudy. Organic wastes react with chlorine creating chloramines (combined chlorine) that has an unpleasant odour and is irritating to the eyes and nose. Oxidising or shock dosing destroys chloramines and organic wastes helping to keep your pool safe and comfortable for bathers.

**TIP:** After a thunderstorm, add a 5mg/l shock dose of Blue Horizons Rapid Shock or Granular Shock. Lightening creates nitrogen in the atmosphere and the rain washes it into your pool. Nitrogen is plant food and algae thrive on it, so pool water can quickly turn green after a thunderstorm, and a shock dose of chlorine can help prevent it.

**Blue Horizons Granular Shock.** Available in 1kg, 2kg & 5kg.

A traditional shock treatment product, these calcium hypochlorite granules have an available chlorine level of approximately 65% making them a good chlorine donor for pool water problem solving.

## Regular Oxidation/Shock Dosing

Regularly oxidising your pool, ideally weekly, will significantly reduce common water problems. Within the Blue Horizons range there is a selection of products that are ideal for regular oxidation.

## Blue Horizons Granular Shock & Rapid Shock Dose Rates

Pool Volume		Granular Shock to increase level by		Rapid Shock to increase level by	
Litres	Gallons	5mg/l	10mg/l	5mg/l	10mg/l
4,546	1,000	35g	70g	32g	65g
11,365	2,500	88g	175g	81g	163g
22,730	5,000	175g	350g	163g	325g
45,460	10,000	350g	700g	325g	650g

**Blue Horizons Pool Fusion.** Available in 175g.

The best product for regular oxidation, Pool Fusion is a mixture of chlorine and non-chlorine shock, with an added clarifier. The chlorine and non-chlorine blend fuses to create a powerful oxidiser that destroys organic waste without boosting chlorine levels too high. This allows for rapid re-entry into the pool, and the clarifier will help provide extra sparkle. Supplied in pre-measured sachets, simply cut the corner with scissors and broadcast the contents over the water surface. One 175g sachet treats pools up to 22,730 litres (5,000 gallons).

**Blue Horizons Non-Chlorine Shock.** Available in 5kg.

A granular product that is ideal for the regular oxidation of pool water as it will destroy organic waste and chloramines without increasing the chlorine level, meaning that you will be able to swim shortly after application.

## Blue Horizons Non-Chlorine Shock Dose Rates

Pool Volume		Weekly
Litres	Gallons	Dose Rate
4,546	1,000	50g
11,365	2,500	125g
22,730	5,000	250g
45,460	10,000	500g



**Blue Horizons Rapid Shock** Available in 1kg.

Rapid Shock is made of fine grade granules allowing them to dissolve rapidly. This should be used to quickly establish a chlorine level in your pool water, to purge the pool of bather wastes or destroy algae. It can normally be applied directly to your pool water (check product instructions).

Also available in 2kg & 5kg.

# Algae Prevention in your pool water

Algae are microscopic plant life that, in the right conditions, multiply rapidly turning pool water green and opaque. Algae are so small they do not become visible to the human eye until there are millions of them, so the early stages of an algae bloom can easily go undetected. Recovering an algae infested pool can be time consuming and expensive, which is why prevention is always preferable to cure.

The secret to keeping your pool algae free is to maintain the correct water balance, oxidise regularly and, apply an algaecide to support your sanitiser (chlorine or bromine). Keep a consistent sanitiser level in the water and test regularly to ensure that the correct levels are being maintained.

Blue Horizons algaecides have been specially formulated to support your efforts of keeping algae at bay. Within the range there is a choice of regularly dosed and long-life algaecides to suit various needs.

## Summerclear 2ltr / Summerclear PLUS 1ltr

Summerclear is a long-life, copper-free algaecide that is usually added to the pool shortly after spring opening. Summerclear, and Summerclear PLUS both last up to 3 months and are compatible with a wide range of sanitisers. Summerclear PLUS is a concentrated formula making it more economical.



## Blue Horizons Algae Controller. Available in 1ltr & 2ltr.

Algae Controller is a non-copper based algaecide that does not have a long life, meaning it should be dosed weekly. When used as directed, Algae controller will prevent a broad spectrum of algae growing in your pool.

### Blue Horizons Algae Controller Dose Rates

Pool Volume		Algae Prevention Dose Rates	
Litres	Gallons	Initial	Weekly
4,546	1,000	50ml	25ml
11,365	2,500	125ml	63ml
22,730	5,000	250ml	125ml
45,460	10,000	500ml	250ml

## Blue Horizons AlgiMAX Eliminator. Available in 1ltr & 2ltr.

A powerful dual action polyquat and copper complex algaecide, formulated specifically to prevent algae growth for up to 3 months. AlgiMAX is effective against green, black and mustard forms of algae and can also be used as a winteriser.

### Blue Horizons AlgiMAX Eliminator Dose Rates

Pool Volume		Algae Destruction	Algae Prevention
Litres	Gallons	Initial Dose Rate	Top Up (3 months)
4,546	1,000	100ml	50ml
11,365	2,500	250ml	125ml
22,730	5,000	500ml	250ml
45,460	10,000	1.00Ltr	500ml

# Algae Prevention in your pool water

## Blue Horizons Ultimate Algicide Concentrate.

Available in 0.5ltr & 1ltr.

A dual use algaecide that can be used to both prevent and cure algae problems. Its concentrated formula means that a little goes a long way, making it economical to use.

## Blue Horizons Ultimate Algicide Concentrate Dose

Pool Volume		Algae Prevention Dose Rates		Algae Destruction
Litres	Gallons	Initial	Weekly	Dose Rate
4,546	1,000	33ml	8ml	66ml
11,365	2,500	83ml	20ml	165ml
22,730	5,000	165ml	40ml	330ml
45,460	10,000	330ml	80ml	660ml

## Recovering an Algae Infested Pool

If your pool is suffering from an algae bloom, this recovery routine should help providing your pool has a cartridge or sand filter.

1. Check the pH. Algae infested pools can have a high pH level – if this is the case lower the pH. Chlorine doesn't work as effectively at high pH levels, see chart on page 6.
2. Vacuum pool floor with the multiport valve in the waste position, this might be tricky as the water may be cloudy but try and do it systematically. Remember to keep an eye on the water level, vacuuming to waste will reduce the water level further, so you need to work quickly.
3. After vacuuming put the multiport valve in the usual filtration position and keep the pump running 24 hours per day until the pool is clear.
4. Check the sanitiser level, if it is zero the water will likely have a chlorine demand, which may take a few doses to satisfy. It is unlikely that you will get rid of the algae infestation until the chlorine demand is satisfied.
5. Apply Blue Horizons AlgiMAX Eliminator or Ultimate Algaecide Concentrate as indicated on the product label. This will support the sanitiser and help speed up the recovery time.
6. Thoroughly brush the pool floor and walls, it is important to disturb the algae and get it into suspension rather than sat on the floor or clinging to the walls.
7. Apply one of the Blue Horizons clarifiers to assist the filter in the removal of small particles, see page 15/16.

## Blue Horizons Ultimate/ Concentrated Wintertime.

Available in 1ltr & 5ltr.

A long-life copper-free algaecide designed to prevent algae growth during the autumn, winter and early spring. One dose helps prevent algae growth for up to six months. Ultimate Wintertime contains sequestrants to reduce the chance of stains and scale deposits during the closed season.



# Sanitise your pool water

The sanitise part of the **BOAST** programme is all about ensuring your pool water is healthy by preventing and killing bacteria. This is achieved by continuously and consistently maintaining a level of sanitiser (disinfectant) in the water using either chlorine or bromine.

## Chlorine

Chlorine is the most common product used to maintain bacteriological and chemical purity in swimming pools, needing to be in 'free' form to effectively kill bacteria and oxidise organic waste. Optimal chlorine levels should be maintained between 1.0 to 3.0 mg/l for clean water, with chloramines below 0.5 mg/l to avoid odours. Blue Horizons offers a variety of products to help manage sanitiser levels according to different pool needs and budgets.

## Blue Horizons Stabilised Chlorine Granules & Ultimate Stabilised Chlorine Granules Dose Rates

Pool Volume		Stabilised Chlorine Granules to increase level by			Ultimate Stabilised Chlorine Granules to increase level by		
Litres	Gallons	1mg/l	2mg/l	3mg/l	1mg/l	2mg/l	3mg/l
4,546	1,000	8g	16g	24g	10g	20g	30g
11,365	2,500	21g	42g	63g	25g	49g	74g
22,730	5,000	41g	82g	123g	49g	99g	148g
45,460	10,000	83g	166g	249g	99g	197g	296g

## Blue Horizons Stabilised Chlorine Granules.

*Available in 1kg, 2kg, 5kg, 10kg & 25kg.*

A traditional granular product that is still popular with many pool owners. These granules are rapid dissolving making application easy and they have a near neutral pH value, so will have little effect on the pH level of your pool water. Another feature of Stabilised Chlorine Granules is that they contain Cyanuric acid (chlorine stabiliser), which will minimise chlorine loss to sunlight, meaning they are economical to use.

## Blue Horizons Ultimate Stabilised Chlorine Granules.

*Available in 2kg & 5kg.*

A new and improved version of the above, these granules still offer the dose rate flexibility, fairly neutral pH value and chlorine stabilisation but also now include clarifiers and algacide to help improve water clarity and prevent algae growth.



# Sanitise your pool water

**Blue Horizons Small Chlorine Tablets.** Available in 2.5kg, 5kg & 25kg.  
Small Chlorine Tablets offer a convenient way of maintaining chlorine levels in pool water. They should be dosed via a chlorine feeder, floating dispenser or skimmer. As the tablets are small it is easy to vary the number of tablets to maintain the free chlorine level of 1.0 to 3.0mg/l. They have a high level of available chlorine and contain chlorine stabiliser.

**Blue Horizons Multifunctional Mini 20g Chlorine Tablets.**  
Available in 1kg, 2.5kg & 5kg.  
An improved version of the above, they have a higher pH value, reducing the amount of pH regulation you need to do. They also contain clarifier and algicide to help improve clarity and prevent algae formation.

**Blue Horizons 200g Chlorine Tablets.** Available in 2kg, 5kg, 10kg & 25kg.  
An easy way of maintaining chlorine levels in your pool water, 200g Chlorine Tablets are placed in the skimmer, floating dispenser or chlorine feeder. When dosed via the skimmer the tablet(s) will dissolve slowly over a 3 to 4 day period, the rate at which they dissolve will vary depending upon water flow and temperature. They have a high level of available chlorine and contain chlorine stabiliser.

**Blue Horizons Multifunctional 200g Chlorine Tablets.**  
Available in 2kg, 5kg, 10kg & 25kg.  
An improved version of the above, they have a higher pH value, reducing the amount of pH regulation you need to do. They also contain clarifier and algicide to help improve clarity and prevent algae formation.

**Blue Horizons Multifunctional Floating Chlorine Dispensers.**  
Available in 720g & 1.5kg.  
The Multifunctional Floating Chlorine Dispenser is pre-filled with multifunctional chlorine tablets, which will dissolve slowly over a 2 to 5 week period making this product ideal to use whilst you are

away on holiday and during the winter when the pool is not in use. The tablets within the feeder have a high level of available chlorine, contain chlorine stabiliser and clarifier. The Multifunctional Floating Chlorine Dispenser is available in two sizes, 720g or 1.5kg, so there's one to suit most pool sizes.

**Blue Horizons Calc-Chlor Pods 300g.**  
Available in 4.8kg.  
300g calcium hypochlorite pods designed for slow and consistent chlorine release, lasting up to 5 days. With a high chlorine content, these stabiliser-free pods are economical and effective, ensuring optimal chlorine levels without cyanuric acid buildup. Perfect for keeping your pool clean, clear, and easy to maintain.

**Blue Horizons Power6 250g Multifunctional Chlorine Tablets.**  
Available in 5kg.  
The Power6 Multifunctional Chlorine Tablets have a twin-phase chlorine release: The quick release shock top ensures that the chlorine is quickly dispersed throughout the pool, providing rapid results; coupled with a slow-release base for consistent disinfection. The Power6 tablets are individually wrapped making them much safer to handle.



# Sanitise your pool water

## Chlorine Sanitiser Selection Chart

**TIP:** All chlorine tablets and Multifunctional Floating Chlorine Dispensers are designed to maintain chlorine levels, so before they are used you must establish a free chlorine level of 1.0 – 3.0mg/l. Always read and follow the instructions that are printed on the product label.

Product Description	Hand Dosed	Feeder or skimmer	Approx. Dose Frequency (based on skimmer application for chlorine tablets)	pH	Stabilised	Clarifiers	Algaecides
Stabilised Chlorine Granules	✓		1 or 2 days	6.0 – 7.0	✓		
Multifunctional Stabilised Chlorine Granules	✓		1 or 2 days	6.0 – 7.0	✓	✓	✓
Small Chlorine Tablet		✓	2 – 3 days	2.7 – 3.0	✓		
Multifunctional Mini 20g Chlorine Tablets		✓	2 – 3 days	2.7 – 3.0	✓	✓	✓
200g Chlorine Tablets		✓	3 – 4 days	2.7 – 3.0	✓		
Multifunctional 200g Chlorine Tablets		✓	3 – 4 days	3.0 – 3.3	✓	✓	✓
Multifunctional Floating Chlorine Dispenser			2 – 5 weeks	3.0 – 3.3	✓	✓	
Power6 Multifunctional 250g Chlorine Tablets		✓	3 – 4 days	5.5 – 7.5	✓	✓	✓
Calc-Chlor Pods 300g		✓	5 days	11.5			

## Bromine

Bromine is similar to chlorine but there are some important differences:

- Bromine levels need to be kept between 2.0 to 4.0mg/l.
- Pools using bromine do not require the addition of chlorine stabiliser as it is not lost to sunlight.
- Bromine should be dosed into the pool via a chemical feeder (brominator), which is usually installed in the plant room after the filter and heater.
- Bromine, like chlorine, combines with organic compounds to form bromamines, but unlike chloramines, bromamines cause little or no eye and skin irritation and doesn't have the strong smell sometimes associated with chloramines.
- Bromine retains better levels of efficiency over a wider pH band than chlorine, see chart opposite.

## Blue Horizons Bromine Tablets. Available in 5kg.

Blue Horizons Bromine Tablets are best dosed via a brominator, an easy and affordable addition to any pool. When correctly set, the brominator maintains an ideal bromine level of 2.0–4.0 mg/L. Simply top up with tablets as needed for effortless maintenance.

### Percentage efficiency of Bromine and Chlorine against pH level

Chlorine is less effective when pH levels are high. It is important to keep pH levels between 7.2-7.6 to ensure sanitiser efficiency.

Bromine is not as sensitive to pH but it does become slightly less effective as pH levels rise.

pH	Chlorine	Bromine
7.0	76%	95%+
7.2	63% available	95% available
7.6	39% available	87% available

# Testing your pool water

It could be argued that testing the water should be the first discipline of pool water management but keep in mind that the **BOAST** programme is a continuous and circular system and testing leads you on to Balancing, Oxidising, Algae prevention and Sanitising.

There are three ways to test pool water; test strips, pooltesters, and electronic test kits. Regardless of the method you choose, it is important that your pool water is regularly tested, ideally every day during the swimming season but, twice a week is the minimum.

## Blue Horizons 3+ Test Strips

(chlorine, bromine, pH & total alkalinity)

Test strips are not as accurate as using a test kit, but they are very quick and easy to use. Simply take a test strip from the pot, dip it into the pool water, hold level (don't shake off any excess water), wait for the prescribed length of time and then compare the colour of the pads with the colours printed on the pot.



## Pooltesters

Pooltesters use test tablets to determine the chlorine, bromine or pH levels. Take the pooltester to the poolside and turn it upside down, lower it into the pool to about an elbows depth and then turn it the correct way up so that it fills up with pool water. Once full of water put the kit on a level surface and add a Phenol Red tablet to test the pH level and a DPD No.1 tablet to check the free chlorine level.



Under the section “Balance Your Pool Water” there are other things listed that need to be tested, such as calcium hardness, total dissolved solids and chlorine stabiliser (Cyanuric acid). There are kits available to check all of these, but if you don't want to test them yourself, you can take a one litre sample of pool water to your Blue Horizons supplier every 4 - 6 weeks to perform the tests for you.



# Beyond the **BOAST** Programme - Speciality

In addition to the **BOAST** programme there are a few other tasks that periodically need doing and these fall broadly under three headings, Speciality, Cleaning and Clarifying.

## Specialities

### **Blue Horizons Chlorine Reducer.** *Available in 1kg.*

Chlorine Reducer is used to lower Bromine or chlorine levels in pool water after shock treatment procedures or as a problem solver if the pool has been accidentally 'overdosed' with chlorine or bromine.

### **Blue Horizons Metal Klear.** *Available in 1ltr.*

This special phosphate-free formula is designed to prevent metals (e.g. copper & iron) from dropping out of solution and also works to clear pool water discoloured by metals.

### **Blue Horizons Stain & Scale Inhibitor.** *Available in 1ltr.*

Stain & Scale Inhibitor should be used if your swimming pool is in a hard water area (high calcium levels). If not applied, it may suffer from scale deposits on pool surfaces, pipework and heater elements.

### **Blue Horizons Solar Shield.** *Available in 2ltr.*

The majority of daily heat loss is due to evaporation. Blue Horizons Solar Shield minimises heat loss by forming a harmless, ultra-thin, invisible barrier on the water's surface to reduce evaporation. Solar Shield can be used with all sanitiser types.

### **Blue Horizons Pool Leak Seeker.** *Available in 1ltr.*

Pool Leak Seeker is designed to seal minor cracks and prevent resulting leaks in pool and hot tub pipework and / or pool surfaces. Leak Seeker is fast acting and usually stops leaks within 24 hours. Always remove any automatic pool cleaner from the pool prior to application.

### **Blue Horizons Chlorine Stabiliser.** *Available in 2kg.*

Chlorine Stabiliser prevents chlorine loss to sunlight. This is especially useful where an unstabilised chlorine product is being used.

### **Blue Horizons Ultimate Phos Granules.** *Available in 2 x 100g sachets.*

A highly concentrated granular phosphate remover that comes in an easy to dose twin sachet. Perfect for reducing algae problems and cutting down on cleaning and vacuuming.

### **Concentrated Phos Away.** *Available in 1ltr.*

Blue Horizons Concentrated Phos Away is a liquid based product which removes phosphates (algae nutrient) from your swimming pool water. This in turn means that algae growth will be greatly reduced and less cleaning and vacuuming will be required to maintain crystal clear algae free water.

### **Ultimate Phos Away.** *Available in 1ltr.*

A triple-strength, highly concentrated phosphate remover enhanced with a clarifier, Ultimate Phos Away is designed to rapidly reduce excess phosphate levels in pool water. By removing this key algae nutrient, it prevents algae growth, leading to clearer water and reduced maintenance. This dual-action formula is compatible with all recognised sanitisers.

## **Blue Horizons Ultimate Phos Away Dose Rates**

Pool Volume		Phosphate Levels			
Litres	Gallons	200-1,000ppb*	2,000ppb*	4,000ppb*	6,000ppb*
22,730	5,000	71ml	142ml	285ml	425ml
45,460	10,000	142ml	285ml	565ml	850ml
68,190	15,000	213ml	425ml	850ml	1,275ltr

\* Parts per billion. Note: The pool water may become temporarily cloudy after product application. Blue Horizons Aqua Sparkle Tablets or JellyCLEAR Cubes will help reduce cloudiness.

# Beyond the **BOAST** Programme - Cleaners and Clarifiers

## **Cleaning**

Cleaning filter media has already been mentioned on page 3, but the other area that needs cleaning is the waterline. Debris that floats on the water surface such as suntan lotion, cosmetics, blades of grass and insects will collect on the pool walls providing a source of food for bacteria and algae. A weekly clean around the waterline using a Blue Horizons cleaner will easily remove greasy deposits and unsightly marks.

### **Blue Horizons Easy Kleen (trigger spray).** *Available in 0.5ltr.*

Blue Horizons Easy Kleen is a multi purpose liquid waterline cleaner for waterline grease and grime removal around swimming pools and hot tubs. This is supplied in an easy application trigger spray.

### **Blue Horizons Tile & Liner Cleaner.** *Available in 2ltr.*

Liquid blended cleaning agent ideal for application to waterline using a soft cleaning cloth or sponge. Follow label instructions.

### **Blue Horizons Filter Cleaner.** *Available in 1ltr.*

A liquid cleaning agent, ideal for filter treatment for full and thorough cleaning of tired or dirty filters. Use by isolating filter via valves. Follow label instructions.

### **Blue Horizons Waterline Cleaning Paste.** *Available in 350g.*

A Superb blend presented in a pot with sponge applicator for stubborn dirt and grease removal.

### **Blue Horizons Natural Stain Remover.** *Available in 1kg.*

An all-natural formula designed to remove unsightly stains caused by excess metals in pool water. This product is effective in removing iron, copper and manganese staining which may appear as brown, grey, turquoise or black. Suitable for spot treatment.

### **Blue Horizons Slatted CoverKleen.** *Available in 5ltr.*

Slatted CoverKleen is a powerful, specially formulated liquid used for cleaning and removing calcium scale and staining from slatted pool covers. This product is not available to the public, please consult your local Blue Horizons dealer.

## **Clarifying**

Pool water can become cloudy for a few reasons:

- Incorrect water balance
- Poor or insufficient filtration
- The start or end of an algae infestation
- A build-up of bather wastes

Before using any clarifiers from the Blue Horizons range to restore water sparkle, ensure that:

1. The water is correctly balanced – see page 4
2. The filtration is running for a minimum of 8-hours per days (24-hours for best results) and that the filter does not require backwashing or cleaning – see page 3
3. The sanitiser level is being maintained within the ideal range – see page 10

Once these conditions are met, Blue Horizons clarifiers can help accelerate the clarifying process.

### **Blue Horizons Aqua Sparkle Tabs.** *Available in 0.5kg.*

These easy-to-use tablets are dosed via the skimmer and should only be used in pools with sand filters. When added to the skimmer they dissolve quickly and leave a layer of coagulant on top of the sand. This layer of coagulant traps small particles, stopping them from passing through the filter and back into the pool. The coagulant is removed when the filter is backwashed, so repeat the dose after backwashing.

# Beyond the **BOAST** Programme - Cleaners and Clarifiers

## **Blue Horizons JellyCLEAR Cubes.** *Available in 70g.*

Clarification gel cubes. The JellyCLEAR Cubes improve filtration efficiency by coagulating debris and tightening the filter bed. Easy and safe to use in the skimmer, each JellyCLEAR Cube treats up to 50,000 litres (11,000 gallons).

## **Blue Horizons Flockfix Cartridges.** *Available in 1kg box.*

Pre-filled socks for greater control and handling ease containing clarifying tablets. Ideal for improving filtration efficiency and excellent support to non chlorine, oxygen based systems like Aquablanc.

## **Blue Horizons Ultimate Water Clarifier Concentrate.**

*Available in 0.5ltr & 1ltr.*

An all-natural liquid clarifier that can be used with all types of filtration systems. Ultimate Water Clarifier Concentrate is added directly to the pool with the filtration system running. Once in the pool it binds small particles together making larger ones that are easier for the filter to remove. Regular doses of this product will help to keep your pool water looking crystal clear.

### **Blue Horizons Ultimate Water Clarifier Dose Rates**

Pool Volume		Dose Rates	
Litres	Gallons	Hazy	Murky
4,546	1,000	9ml	18ml
11,365	2,500	22ml	45ml
22,730	5,000	45ml	90ml
45,460	10,000	90ml	180ml

## **Blue Horizons Granular Floc.** *Available in 2kg.*

Floc Granules sink unwanted debris to the pool floor creating clear sparkling water. Once the particles have settled on the pool floor they should be vacuumed to waste. This product should only be used in pools with sand filtration.

### **Blue Horizons Granular Floc Dose Rates**

	Pool Volume		Dose Rate
	Litres	Gallons	
4,546	1,000	100g	
11,365	2,500	250g	
22,730	5,000	500g	
45,460	10,000	1.00Kg	

## **Blue Horizons ClearFast AquaSachet.** *Available in 150ml sachet.*

A convenient pre-measured sachet for rapid clarification of pool water when hazy or murky. Each sachet will treat up to 50,000 litres (11,000 gallons).

## **Rapid Liquid Floc.** *Available in 1ltr.*

Rapid Liquid Floc is a highly effective alternative to traditional floc treatments. It rapidly settles debris to the bottom of the pool for easy vacuuming and removal. This product can also be used for settling dead algae.

### **Blue Horizons Rapid Liquid Floc Dose Rates**

	Pool Volume		Dose Rates	
	Litres	Gallons	Hazy	Murky
4,546	1,000	30ml	60ml	
11,365	2,500	75ml	150ml	
22,730	5,000	150ml	300ml	
45,460	10,000	300ml	600ml	

## Preparing the pool for the winter

At the end of the outdoor swimming season, it's important to prepare your pool for the winter to protect it and its equipment. If you're unsure about winterising the pool yourself, consider consulting your Blue Horizons supplier, who can assist you. Otherwise, we have outlined the winterising procedure below:

1. Remove, clean, and carefully store the solar cover in a place safe from mice.
2. Raise the pH to 7.6–7.8 to account for rainwater dilution (rainwater is acidic).
3. Lower the pool water level 150–200 mm below the skimmer mouth.
4. Add a 10 mg/l shock dose using Blue Horizons Rapid Shock or Granular Shock.
5. Add Blue Horizons Ultimate Winter Time, Concentrated Winter Time, AlgiMAX Eliminator, or Kleen Pool at the recommended dose.
6. Run the filtration system to distribute the products, closing the skimmer valve in the plant room to draw water from the main drain (prevent air from entering).
7. Insert bungs into skimmer outlets to block rainwater from entering the pipes.
8. Open the skimmer valve and briefly run the pump to clear the skimmer pipes of water.
9. Turn off the filtration system.
10. Drain the pump, filter, and heater following the manufacturer's instructions.
11. Disconnect the pump; if the plant room may freeze or get damp, store the pump in a warm, dry place.
12. Float weighted containers in the pool to relieve pressure from ice forming on the surface.
13. Place a weighted container in the skimmer to protect it from ice pressure as rainwater accumulates.
14. Fit the winter debris cover to keep leaves and debris out.

**Note:** A mid-winter check may be necessary.

## Safety

### General Pool Safety

- Never allow diving in shallow water
- Never use the pool during a thunderstorm
- Don't allow horseplay in or around the pool
- Stop people from running near the pool edge
- Never allow glass objects in the pool or around the pool area
- Never leave children or non-swimmers unattended in the pool
- Always remove pool covers completely before getting into the pool
- Never use inappropriate electrical equipment in or close to the pool edge

### General Chemical Safety

- Never mix chemicals
- Always store chemicals in a cool, dry place
- Always wash hands after handling chemicals
- Always put the lids back on chemical containers
- Always keep chemicals out of the reach of children
- Always read the instruction label on chemical products
- Never use chemicals that don't have an instruction label
- Never dose chemicals when there are bathers in the pool
- When pre-dissolving products always use a clean container
- Always adhere to the instructions printed on the product label
- Always handle chemicals in a well-ventilated area, preferably outdoors

# Chemical Hazards

Product Description (NH = Non Hazardous)



## Blue Horizons Balancers

Calcium Hardness Raiser	✓				
Total Alkalinity Raiser (NH)					
Total Alkalinity Reducer	✓	✓			
pH Minus		✓			
pH Plus	✓				

## Blue Horizons Oxidisers

Granular Shock	✓	✓	✓	✓	
Non Chlorine Shock	✓	✓			
Pool Fusion	✓		✓	✓	✓
Rapid Shock	✓	✓	✓	✓	

## Blue Horizons Algacides

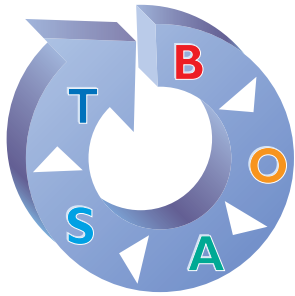
Kleen Pool	✓		✓		
Algae Controller		✓	✓		
AlgiMAX Eliminator	✓	✓	✓		
Summerclear			✓		
Summerclear PLUS			✓		
Ultimate Algicide Concentrate	✓	✓	✓		
Winter Time			✓		

## Blue Horizons Sanitisers

Stabilised Chlorine Granules	✓		✓		
Ultimate Stabilised Chlorine Granules	✓		✓		
Small Chlorine Tablets	✓		✓	✓	
Multifunctional 20g Chlorine Tabs	✓		✓	✓	
200g Chlorine Tablets	✓		✓	✓	
Multifunctional 200g Chlorine Tabs	✓		✓	✓	
Multifunctional Floating Chlorine Dispenser	✓		✓	✓	
Bromine Tablets	✓		✓	✓	
Power6 Multifunctional 250g Tabs	✓		✓		
Calc-Chlor Pods 300g	✓	✓	✓	✓	

## Blue Horizons Specialities, Cleaners & Clarifiers

Chlorine Reducer (NH)					
Metal Klear	✓	✓			
Stain & Scale Inhibitor	✓				
Solar Shield	✓				
Pool Leak Seeker		✓			
Chlorine Stabiliser (NH)					
Ultimate Phos Granules	✓	✓	✓		
Concentrated Phos Away (NH)					
Slatted CoverKleen	✓	✓			
Easy Kleen		✓			
Tile & Liner Cleaner	✓	✓			
Filter Cleaner	✓				
Waterline Cleaning Paste (NH)					
Natural Stain Remover	✓				
Aquasparkle Tabs	✓				
JellyCLEAR Cubes (NH)					
Flockfix Cartridges		✓			
Ult Water Clarifier Concentrate (NH)					
Granular Floc		✓			
ClearFast Aqua Sachet (NH)					
Rapid Liquid Floc	✓				

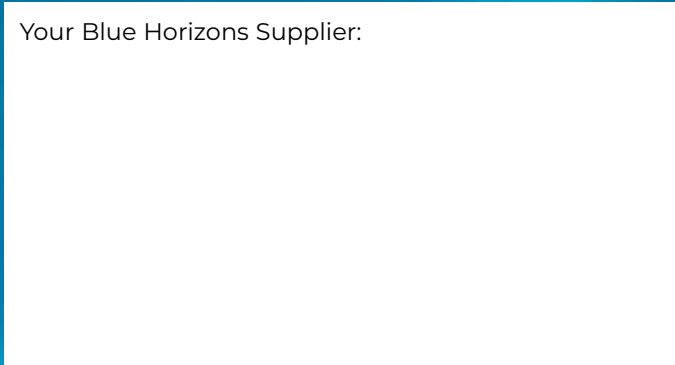


- B** Balance your pool water for bather comfort and maximum chemical efficiency
- O** Oxidise to establish a sanitiser level then weekly to destroy waste compounds
- A** Algae prevention, stop algae establishing themselves in your pool water
- S** Sanitise, maintain a constant sanitiser level to prevent and kill bacteria
- T** Test your water frequently, you really don't know what the levels are without testing

### Technical Support

This guide is quite comprehensive but if you require any further technical support, please contact us on number below.

Your Blue Horizons Supplier:



### Complete Pool Controls Ltd

Unit 2 The Park, Stoke Orchard, Bishops Cleeve, GL52 7RS  
sales@cpc-chemicals.co.uk www.cpc-chemicals.co.uk

### Technical Helpline Tel: 0371 2229084

24 Hour Emergency Calls Only Tel: 01242 300271