

Introducing the
Aquablanc -
Non Chlorine Range



For pure and gentle pool and spa water

Aquablanc – Non Chlorine

In conjunction with the Chemoform Group, Complete Pool Controls Limited offer an extensive range of non chlorine Active Oxygen products, that offer users expected health protection, without the use of halogens such as chlorine and bromine. Aquablanc treated pools or hot tubs provide water users with pure and gentle water, with less of the attendant smells associated with chlorinated water, thus leading to pleasant and low odour pool environments.

THE IMPORTANCE OF CIRCULATION AND FILTRATION

Most pools and hot tubs now include a pump and filter (either sand or cartridge) as standard. It is a combination of circulating water through the filter, together with good chemical water treatment that helps you to maintain clear, clean and healthy water. Chemicals, for example, breakdown bacteria in organic matter and wastes but the resulting by-products need to be removed effectively via the filtration plant. Aquablanc products are no exception to this rule.

Assisting sand filtration systems using Aquablanc products are Flockfix cartridges which can be placed in skimmer/weir baskets just prior to filtration plant for improvement in sand filter bed removal.



WATER TESTING WITH AQUABLANC AND IDEAL POOL READINGS

Using Aquablanc 3 way test strips or the Active Oxygen Domestic Pool Tester, you are able to quickly and accurately assess the condition of your water and make any necessary chemical adjustments. Test at least once a day when the pool or hot tub is in use and usually between 1 – 2 hours after application of Aquablanc to ensure desired levels are being maintained.

TEST	IDEAL READING
Active Oxygen (Combi Tabs & Aquablanc O2 Tabs)	5 – 10 ppm* one hour after application
Active Oxygen Liquid with Algaecide	35 ppm* tested during first 24 hours (see note below)
pH	7.0 – 7.4
Total Alkalinity	80 – 150 ppm*

*ppm = parts per million

NOTE: When Using AQUABLANC OXYGEN LIQUID WITH ALGAECIDE, which is usually automatically dosed then only test with an Active Oxygen Domestic Pool Tester with hydrogen peroxide test standards.

BALANCING WATER AND OXIDISING ROUTINE

pH

pH is measured on a scale of 0 – 14 and measures acidic or alkali conditions with the middle reading 7 being neutral. pH readings below 7 means the water is acidic and readings above 7 means the water is alkaline.

The ideal level for pools and hot tubs using Aquablanc products is between 7.0 and 7.4, this ensures equipment protection and bather comfort is optimised – the pH level in your eyes is consistent with this level.

Total Alkalinity

Total Alkalinity is a measure of the waters ability to resist or hold pH changes – if you like it is a ‘buffer’ for pH . Low alkalinity can lead to fluctuating and rapidly changing pH levels, and conversely high alkalinity can lead to ‘stubborn’ pH levels.

READING	RISK OF.....
High pH	Scale formation
High Alkalinity	Skin/eye irritation Reduced Active Oxygen effectiveness
Ideal pH and Alkalinity	O.K
Low pH	Plant corrosion – e.g. metals
Low Alkalinity	Bather Discomfort, unpleasant smells Active Oxygen quickly used up

ROUTINE OXIDISING/SHOCK TREATMENT

It is considered good practise to regularly – (either weekly or fortnightly). Oxidise pool and spa water to ensure contamination and non-filterable waste (body oils greases etc) are broken down for improved removal via the filter

Use a double dose of Aquablanc products or Aquablanc Shock to fulfil this requirement although traditional products such as chlorine can be used for this purpose – these are compatible with the range of Aquablanc products when added to water, including specific oxidising blend sachets such as Pool Fusion or Spa Fusion.

NOTE: When using chlorine products routine oxidisation is considered optimal at 5ppm, whilst shock dosing for problem removal requires upto 10ppm. Follow directions on product container to achieve your required targets.

AQUABLANC SANITISERS FOR POOLS

COMBI TABLETS

For pure and gentle water Combi Tablets are a dual action system presented in single 4.5kg containers containing 200g Oxygen tablets and 100g algaecide tablets.



How to use: – Before using Aquablanc Combi Tablets for the first time, shock dose with chlorine to 5 – 10 ppm. Apply the white oxygen tablets via a floating dispenser and the blue algaecide tablets via a clean skimmer basket. Approximate start up and weekly dose rate as below:-

Metre ³	Litres	Gallons	Start up	Weekly
30m ³	30,000	6,600	2 of each tablet	1 of each tablet

AQUABLANC OXYGEN LIQUID WITH ALGAECIDES

Aquablanc Liquid with Algaecide is generally for use with an Automatic dosing system

For pure and gentle water, the Aquablanc oxygen liquid with algaecide is presented in a 22kg container supplemented by 25kg pH minus liquid.



How to use: – Both products are dosed with the Blue Horizons Active Oxygen controllers which directly doses both products in the system from the supplied Carbouy container. Approx weekly dose rates via the automatic controller are as follows:-

Metre ³	Litres	Gallons	Routine Below 28°C	Higher Dose Above 28°C
10m ³	10,000	2,200	0.5 Litres	20% per each °C

NOTE: Temperature compensation dosing is achieved by activating the 'temperature compensation' facility on the dosing unit.

AQUABLANC SANITISERS FOR HOT TUBS/SPAS

AQUABLANC O₂ TABLETS + A COMBINATION LIQUID

For pure and gentle spa water the above dual action system are presented in 1kg and 1 litre bottles respectively.

How to use: – Before converting a spa to the Aquablanc system it should first be drained and refilled prior to use, followed by a shock treatment with chlorine to 5 – 10ppm.

Add the A combination liquid direct to the spa whilst the circulation system is running and add the O₂ tablets via a floating dispenser or spa skimmer (if fitted).

Approximate start up and routine dose rates:-



Litres	Gallons	Dose rates 'A' liquid		Dose rates O ₂ tablets	
		Start up	Weekly	Start up	Prior to bathing
1,000	220	40 ml	10 ml	2 tablets	1 tablet
1,500	330	60 ml	15 ml	2 tablets	1 tablet

OTHER SPA / HOT TUB TIPS

- Foam Control:** Warmer waters may quickly collect body oils, cosmetics etc before the filter/cartridge can remove them, leading to unsightly foaming. Use a Spa Foam remover (AquaSParkle FoamAway) to control this problem.
- Draining/Refilling:** Over time water absorbs minerals and chemicals contributing to increasing Total Dissolved Solids (TDS) levels. High TDS levels reduce chemical efficiencies and make it hard to maintain water correctly. To avoid this, as a guide, drain and refill every 4 – 6 weeks.
- Cleaning Cartridges:** Filter efficiency is impaired when cartridges get too dirty and these should be cleaned weekly with water to remove loose debris and chemically cleaned monthly (using AquaSParkle Immerse or Cartridge Cleaner). As a tip it is useful to have a spare cartridge to use whilst the other is being cleaned.

SAFETY

General Pool Safety

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

General Spa Safety

- Do not allow water temperatures to exceed 40°C (lower for children).
- Do not leave children or non-swimmers unattended.
- Do not overload the spa.
- Do not use electrical appliances near water.
- Use plastic and not glass around the Spa.
- Do not drink alcoholic beverages before or during use of Spa's.
- If you are pregnant, have high blood pressure or cardiovascular condition then consult your doctor before using Spa's.
- When changing (dirty) filter cartridges, wear gloves.

General Chemical Safety

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

Problem Solving Chart – Pools and Spas

SYMPTOM	CAUSE	REMEDY
Green/Cloudy water (pools)	Algae	Shock dose as per guidelines under 'Routine Oxidising / Shock Treatments'
Too much Chlorine	Overdose	Allow time to naturally dissipate or buy a chlorine reducer
pH hard to control	Alkalinity too low	Seek advice on how to raise total alkalinity using TA raiser
Cannot maintain active oxygen levels	Bather demand of water too high at start up after holidays or due to excess contamination or neglect	Shock dose as per guidelines under 'Routine Oxidising / Shock Treatments'
Foaming Water (spas)	Oils/ detergents present	Use Spa FoamAway
Foaming Water (pools)	Detergent present from incorrect cleaning products or excessive algaecide use	Reduce water level and top up with fresh water. Avoid domestic household cleaners
Cloudy Water (Pools)	Poor chemical controls or Inadequate filtration	Clean cartridge or backwash filters, check chemical levels and adjust if necessary (Active Oxygen/pH) If problem persists buy a pool clarifier to remove small particles
Cloudy Water (Spas)	Poor chemical controls or Inadequate filtration	Clean cartridge, or consider if time to drain and refill. Retest water, and add chemicals if necessary
Rough sides/edges	Scale formation due to high calcium levels in water	Ensure pH levels are correct and use a pool or Spa scale inhibitor to stop calcium precipitating out of the water
No colour change on test strip dip test	Too high sanitiser leading to bleaching of indicator pads (over 20 ppm)	Wait for sanitiser level to drop and re-test
Test results vary (spas)	Air bubbles can increase pH and reduce alkalinity temporarily	Test when the system is turned 'off' for true results