

# Spa Pool Water Care Made Easy



	What	Why	When	How
Equipment	Circulation - Your pump and water level	Water needs to circulate to avoid becoming stagnant, and to pass through your filter.	Weekly	Check and clean the skimmer weekly, for leaves, hair and debris that could restrict flow. Is the timer working correctly, does it sound normal, is it operating correctly? Is the water level correct ? Top up to ensure circulation and eliminate damage to pump.
	Filtration – Your Filter	Filtration removes insoluble substances, such as particles of dirt, organic matter and other debris. This needs to be removed regularly to ensure a safe, sparkling pool.	Weekly/fortnightly or monthly depending on use, and always after heavy bather loads	Follow instruction in owner’s manual. Cartridges – use a filter cleaner to remove oils, scale and dirt.
Balancing	Balance - summary	It is important to carefully manipulate the chemical balance in pools – dangerous pathogens such as bacteria thrive in water. Poorly treated water - <ul style="list-style-type: none"> <li>• is the perfect place for disease-carrying microorganisms to move from one person to another.</li> <li>• can damage the pools surface and equipment</li> <li>• can irritate the skin, eyes, and lungs</li> <li>• can appear very cloudy</li> <li>• <b>Prevent the disinfecting agent (Chlorine) from being effective</b></li> </ul>	Daily, twice-weekly, weekly and monthly	Use test strips on a daily basis. If available, use water test kit with reagents on a weekly, fortnightly or monthly basis depending on pool use –
	pH – a measure of alkalinity and acidity	<ul style="list-style-type: none"> <li>• <b>Chlorine is MOST effective at pH levels between 7.2-7.6</b></li> <li>• pH of our eyes is 7.5</li> <li>• Low pH is acidic and will cause eye and skin irritation and corrode pool equipment</li> </ul>	Twice weekly	Test Strips/Reagents Ideal pH 7.5 Range depending on pool surface is 7.2-7.6 pH Increaser - <ul style="list-style-type: none"> <li>• Sodium Carbonate (or Soda Ash)</li> <li>• Sodium BiCarbonate</li> </ul> pH Decreaser <ul style="list-style-type: none"> <li>• Liquid Acid - Hydrochloric Acid</li> </ul>

				<ul style="list-style-type: none"> <li>• Dry Acid – Sodium BiSulphate</li> </ul>
TA – Total Alkalinity. The measure of alkaline chemicals in water PPM.	Correct levels insure the pH levels remain stable (reduces fluctuations in pH due to chlorine addition)	Monthly	Test Strips/Reagents Range depending on pool surface is 80-160 Alkalinity Increaser <ul style="list-style-type: none"> <li>• Sodium BiCarbonate</li> </ul> Alkalinity Decreaser <ul style="list-style-type: none"> <li>• Liquid or dry acid in small qty's at a time – retest to ensure pH is not affected.</li> </ul>	
CH – Calcium Hardness. The measure of Calcium Carbonate PPM.	Low calcium may cause foaming and leaching of calcium from pool surface and equipment causing unsightly damage. High levels may cause damaging calcium deposits on pool walls, and in plumbing equipment which will reduce water flow. May also clog filters.	Monthly	Test Strips/Reagents Range 0-500, although preferred range is 150-300 Reduction <ul style="list-style-type: none"> <li>• Refresh pool water (dilution) with tap/rain water</li> <li>• Reduce use of calcium-based chlorine products.</li> </ul> Increase <ul style="list-style-type: none"> <li>• Add Calcium</li> <li>• Use calcium-based chlorine products</li> </ul>	
TDS – Total Dissolved Solids. The amount of soluble salts and organic matter dissolved in water.	Introduced by source water, bathers, weather conditions and chemicals. Cannot reach high levels as subsequent chemical additions will become insoluble/ineffective.	Every Four months – recommend complete water change	Digital TDS meter – pool shop Refresh pool water.	

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Healthy Swimming	Sanitiser: Chlorine Bromine Ozone Ionisers Silver UV	Sanitising is the first step to a healthy pool. A sanitiser will clean your water by killing bacteria, but it won't do the whole job. For instance, simply using a sanitiser will mean: <ul style="list-style-type: none"> <li>• Only 20% of the chlorine kills bacteria</li> <li>• 40% is used to clear cloudy water</li> <li>• 40% is used to kill algae</li> </ul>	Free Chlorine/Bromine: prior to use	Regular application of a sanitiser is essential in any pool maintenance schedule, but only when used in conjunction with other balancing and specialty products. <ul style="list-style-type: none"> <li>• Floater (Tablet) – Chlorine or Bromine</li> <li>• Manual (Granulated)</li> <li>• Ozone</li> <li>• Ionising stick – not to be used with bromine</li> <li>• UV Bulb</li> </ul>
Sparkling Clear Water	Oxidiser Shock Super Chlorination	Oxidisation removes impurities from the water – allowing the chlorine to really do its work. A properly oxidised pool won't irritate the eyes or skin. But: <ul style="list-style-type: none"> <li>• Now 60% of the chlorine will be killing bacteria</li> <li>• But 40% of the chlorine is still struggling to remove algae</li> </ul>	When indicated by low FC reading, and after heavy bather load or bad weather	Follow instructions on packaging – skimmer feed or pre-mix in bucket for even distribution over pool surface with pump running.

Product	BioGuard	Pool Water Specialist online store link
pH Increaser	BioGuard Spa Comfort Up	<a href="https://poolwater.co.nz/product/bioguard-spa-comfort-up-500g/">https://poolwater.co.nz/product/bioguard-spa-comfort-up-500g/</a>
pH and Total Alkalinity Decreaser	BioGuard Spa Aquality	<a href="https://poolwater.co.nz/product/bioguard-spa-aquality-750g/">https://poolwater.co.nz/product/bioguard-spa-aquality-750g/</a>
Total Alkalinity Increaser	BioGuard Spa Performance Up	<a href="https://poolwater.co.nz/product/bioguard-spa-performance-up-500g/">https://poolwater.co.nz/product/bioguard-spa-performance-up-500g/</a>
Balance Enhancer – keeps balance for up to 60 days	BioGuard Spa Perfect Balance	<a href="https://poolwater.co.nz/product/spa-balance-enhancer/">https://poolwater.co.nz/product/spa-balance-enhancer/</a>
Calcium Hardness Increaser	BioGuard Spa Shield	<a href="https://poolwater.co.nz/product/bioguard-spa-shield-450g/">https://poolwater.co.nz/product/bioguard-spa-shield-450g/</a>
Filters and Filter cleaners	BioGuard Filter Renew	<a href="https://poolwater.co.nz/pools/spa/?product_cat=filtering">https://poolwater.co.nz/pools/spa/?product_cat=filtering</a>
Oxidisers	BioGuard Purity, Armour or Oxyseen	<a href="https://poolwater.co.nz/pools/spa/?product_cat=oxidisers">https://poolwater.co.nz/pools/spa/?product_cat=oxidisers</a>
Sanitiser – Bromine Tablets	BioGuard Spa Symmetry	<a href="https://poolwater.co.nz/product/bioguard-spa-symmetry-750g/">https://poolwater.co.nz/product/bioguard-spa-symmetry-750g/</a>
Sanitiser – Chlorine	BioGuard Spa Sanitiser	<a href="https://poolwater.co.nz/product/bioguard-spa-sanitiser/">https://poolwater.co.nz/product/bioguard-spa-sanitiser/</a>
Sanitiser/Oxidiser– Bromine/Chlorine granular blend	BioGuard Spa Armour	<a href="https://poolwater.co.nz/product/bioguard-spa-armour-800g/">https://poolwater.co.nz/product/bioguard-spa-armour-800g/</a>
Water Clarifier	BioGuard Spa Crystal Clear	<a href="https://poolwater.co.nz/product/bioguard-spa-sanitiser/">https://poolwater.co.nz/product/bioguard-spa-sanitiser/</a>
Pipe Cleaner	BioGuard Spa Swirl Away	<a href="https://poolwater.co.nz/product/bioguard-spa-swirl-away-pipe-cleaner/">https://poolwater.co.nz/product/bioguard-spa-swirl-away-pipe-cleaner/</a>
Spa surface and cover cleaner	BioGuard Spa Squeaky Clean	<a href="https://poolwater.co.nz/product/bioguard-spa-squeaky-clean-500ml/">https://poolwater.co.nz/product/bioguard-spa-squeaky-clean-500ml/</a>
Water Enhancer, scented	BioGuard Spa Velvet	<a href="https://poolwater.co.nz/product/scented-water-enhancer/">https://poolwater.co.nz/product/scented-water-enhancer/</a>
Stain and Scale Remover	BioGUard Spa Defence	<a href="https://poolwater.co.nz/product/bioguard-spa-defense-490ml/">https://poolwater.co.nz/product/bioguard-spa-defense-490ml/</a>