

Water Balance

Swimming pools offer a great means of exercise as well as being a wonderful entertainment site for family and friends. They can also improve the appearance and value of a property but most of all improve your lifestyle. A simple and regular regimen will keep the water sparkling clean and maintain equipment in optimal working condition.

This Involves:

Maintaining water balance through use of appropriate chemicals

- **Protection of the structure and machinery of the pool**
- **Enhancing the quality and appearance of the water**
- Using effective and continuous sanitation ie: Salt Chlorinator, Smart Sticks or Pacific Blue Power Tabs
- Maintaining water balance through effective filtration and circulation
- Inhibiting the growth of algae

Water Balance Is Important As It Ensures:

- Optimal sanitiser efficiency
- The water is sparkling, clear and comfortable for bathers
- That the mineral content of the water is in an appropriate state to protect the swimming pool surface and equipment

Water balance is affected by a wide range of variables – the quality of the water source (town supply, bore, tank, roof, other), the temperature at which the swimming pool is running, what chemicals are going into the water, exposure of the pool to the environment/weather and number of bathers.

Test kits or strips are available to check the level of sanitiser and other chemicals that contribute to water balance however these should only be used as a guide.

Better still, in our stores (Lower Hutt, Paraparaumu & Carterton) we have complimentary water testing available. Based on the results and description of your swimming pool (size, volume and construction materials) we can tell you precisely what products to add and in what order, so your swimming pool keeps sparkling clean and ready for swimming. Just bring us a sample of 500mls of your pool water in a clean bottle or ask for a free sample bottle from us.

One Of Our Shop Based Water Testing Laboratories

When we test your water to assess the sanitiser level and chemical balance, we analyse the following parameters

Total Alkalinity (T/A) Also Known As Buffering

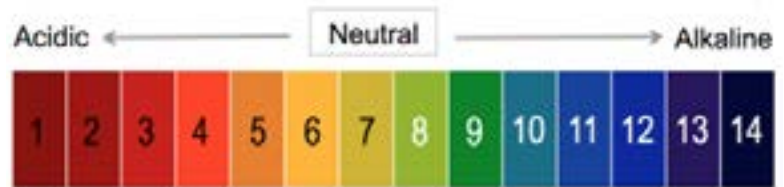
Keeping this value in the correct range prevents the pH from fluctuating wildly, enables sanitisers to work most effectively, extends equipment life and provides a comfortable bathing experience for the skin and eyes.



pH

What is pH and how do we measure it?

This is the level of acidity / alkalinity in the water. An ideal range for swimming pools is 7.4 – 7.6. If the pH level is too high or too low, there can be resultant damage to the pool equipment, skin and eye irritation and lower effectiveness of the sanitizing agent.



Calcium hardness: water stops at nothing to find balance




Calcium Hardness

The level of calcium (or hardness) of your water varies enormously between different geographical areas and source of water (e.g. rainwater vs. bore water). The optimal level is dependent upon the type and surface material of the swimming pool; we can advise on this in our stores. Generally calcium levels should be between 200 – 275 ppm concrete and tiled pools or 175 – 225

ppm for other surfaces. An overly low calcium level can cause etching / pitting of concrete and grout as well as encouraging corrosion of equipment. An overly high calcium level can cause scale formation, potentially affecting circulation and filtration as well as heating. Generally, in the Wellington, Kapiti and Wairarapa areas (EXCEPT for Martinborough), we need to add calcium to the water using calcium hardness increaser.

Products Used For Water Balancing Swimming Pools

Wright Pools & Spas Balancing 1	<ul style="list-style-type: none"> Reduces pH fluctuation from rain, batherload, and other chemical additions Helps reduce corrosion of equipment from pH fluctuation Prevents etching to concrete and grout Prevents wrinkling of pool liners
Wright Pools & Spas Balancing 2	<ul style="list-style-type: none"> Assisting in raising pH in optimum range (7.4 – 7.6) Correct pH levels maximise sanitiser performance Prevents eye and skin irritation Prevents corrosion of equipment Prevents etching of concrete and grout Prevents wrinkling of pool liners 
Wright Pools & Spas Balancing 3	<ul style="list-style-type: none"> Raises the calcium hardness of pool water Prevents severe deterioration of swimming pool surfaces, corrosion of metal fittings and equipment caused by low calcium levels Dependent upon required amounts, large doses need to be split and spaced at least 6 hours apart
Wright Pools & Spas Balancing 4	<ul style="list-style-type: none"> Reduces skin and eye irritation caused by high pH and high total alkalinity May prevent cloudy water if caused by high total alkalinity. Helps improve sanitiser efficacy Prevents scale formation affecting pool equipment and etching of concrete / grout Large doses need to be split, with the pH checked before the subsequent dose

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