



Perfect Spa Water



Spa Maintenance Overview

A spa represents a great investment in your health, lifestyle and enjoyment. This guide is designed to give you a better understanding of the key areas that affect your spa, water quality and sanitiser's effectiveness.



Water Balance

Water balance refers to the pH, Total Alkalinity and Calcium Hardness level of the water. These act together and have an effect on water quality, equipment and your sanitiser. They should be checked and maintained in accordance with the spa manufacturer's instructions. Generally, water is regarded as either balanced, corrosive or scaling. Balanced water refers to water whereby the correct pH, Total Alkalinity and Calcium Hardness levels are achieved. Corrosive water usually refers to water with a low pH that is acidic. This will shorten the life of equipment in your spa and may also make water uncomfortable for bathers either by aggressive fuming or skin irritation. Scaling water refers to water where the pH is generally too high and can lead to cloudy water and calcium deposits forming in pipes and around equipment.

Sanitiser

The primary purpose of a sanitiser is to kill potentially harmful bacteria in your spa. Heated water provides a fertile environment for bacteria to thrive and your sanitiser is the defence against infections. Always dose accordingly and never use your spa or hot tub without an effective sanitiser. Follow manufacturer instructions on correctly dosing your spa or hot tub.

Filtration

There is no chemical system that alone can provide sparkling water. It must be used in conjunction with effective filtration. Filters remove oxidised organic debris and suspended matter from the spa or hot tub, providing clear, sparkling water. Your filtration system should be run in accordance with manufacturer's recommendations to ensure optimum clarity, however, filtration may need to be increased to compensate for higher bather loads etc. A cartridge will only hold a certain amount of debris before flow rates and filter effectiveness will diminish. Clean your cartridges and replace in accordance with manufacturer's instructions.

How to Chemically treat your spa

Life Spa Sanitiser is a concentrated blend of SDIC (Stabilised Chlorine) and Borax (Sodium Tetraborate Pentahydrate). With Lithium Hypochlorite no longer being available, this new blend of Spa Sanitiser is the most economical and effective sanitiser on the market. Effective over a wide pH range and suitable for use in both hot and cold water; this is the perfect sanitiser for spas and hot tubs. You will need to maintain not less than 2 mg/L and up to 4 mg/L free residual chlorine while the spa is in use. The ideal concentration is 3 mg/L. Do not add sanitiser to the spa or hot tub while being used by bathers.

Life Spa Shock is a Non-Chlorine Shock Treatment for spas and hot tubs. It is a highly concentrated, fast dissolving oxygen compound that reduces and eliminates combined chlorine levels. It is very fast acting, and a spa or hot tub may be used 15 minutes after dosing. Oxidising your spa or hot tub weekly destroys odours and wastes that are missed during weekly sanitation. It increases the bather comfort and restores sparkle to the water. An extra dose is always recommended after a heavy bather load.

Life Spa Alkalinity & pH Increaser increases Total Alkalinity and pH in spa and hot tub water. The lack of buffering that occurs if the Total Alkalinity is too low will cause the pH to fluctuate significantly. Water low in Total Alkalinity can also corrode equipment, etch some spa surfaces, cause skin and eye irritation in bathers and excessive chlorine usage.

Life Spa pH & Alkalinity Reducer lowers the pH and Total Alkalinity of spa and hot tub water. Water high in pH and /or Total Alkalinity can corrode equipment, cause scale formation and metal staining, irritate the skin and eyes of bathers and reduce the effectiveness of chlorine over algae and bacteria.

- pH should be maintained in the range of 7.2 – 7.6.
- Total Alkalinity should be maintained between 125ppm-150ppm.
- It is recommended that your spa water is tested prior to adding pH & Alkalinity Reducer/Alkalinity & pH Increaser.
- DO NOT add more than 25 grams of pH & Alkalinity Reducer per 1000 Litres of water at any one time.
- Always adjust the Total Alkalinity before adjusting the pH.

Life Spa Calcium Hardness Enhancer increases the Calcium Hardness level in spa and hot tub water. Water which is low in calcium can corrode equipment, etch concrete and grouted surfaces, and provide an environment favourable to algal growth. The Calcium Hardness level of a spa and hot tub should always be maintained between 200 and 275 ppm for concrete and tiled spas and hot tubs, and between 175 and 225 ppm for other surfaces. Use a test kit to measure calcium hardness.

Life Instant Filter Cleaner quickly removes debris, oils, body fats and dirt utilising a unique 'No Soak' formula. This product is suitable for use with all cartridge filters - just spray on and hose off, while following the manufacturer's instructions.

Life Ultra Spa Clarifier is fast acting, versatile natural clarifier that is both non-toxic and biodegradable. Its unique formulation is specifically designed to

- Clear cloudy water and make it sparkle.
- Aid in removal of fats, oils and suntan lotion.
- Aid in removal of dissolved metals and dead algae spores.
- Aid in the prevention of scum lines.

When there is a heavy bather load, an extra dose is advised as there will be additional body fats in the water which could cause cloudiness and foaming.

Life Spa System Flush is a concentrated cleaner for internal pipe-work in spas and hot tubs. It also removes calcium, grime and organic build up. Whenever draining a spa or hot tub we recommend that prior to doing so, Spa System Flush is used to ensure that all harboured body fats (including BIO-FILMS) are removed from the pipe work and associated systems.

- For NORMAL use - treatment should be carried out at least every 12 weeks.
- For HEAVY use - treatment should be carried out every 6 weeks.

Life No More Foam is a fast-acting anti-foam for eliminating unsightly foam in spas and hot tubs. It should only be used when foam is present.

Life Leak Sealer is a concentrated formulation to seal minor leaks in spas and hot tubs. It can be used for leaks in either the shell and/or internal plumbing system.

Life Vinyl Restore & Protector is an exceptional product that has been specially formulated to both restore and protect spa and hot tub vinyl covers.

