

Spa Water Chemistry

Keeping your spa chemicals balanced is important for a comfortable, clean and clear spa. Since hot tubs have higher temperatures and have a smaller volume, this increases potential for skin infections, scale formation, more perspiration and body oils, depleted sanitizer levels, and pH fluctuations. This is the reason that water chemistry is especially important in spas. When choosing chemicals for your spa, be sure to choose quick dissolving products that also soften the water to create a relaxing experience. Below you will find products that not only dissolve quickly, but also contain mineral salts and moisturizers.

To insure that your water is clean and clear, pH, alkalinity, and sanitation levels should be checked weekly.

- pH levels should stay between 7.2-7.6. This not only is the most comfortable for your skin and eyes, but also allows sanitizer to be most efficient.
- Alkalinity levels should stay between 80-120 ppm. Alkalinity is a pH buffer, thus meaning, when alkalinity is high, typically the pH is also high. Since spas have a smaller volume, it is especially important to keep alkalinity in range since the pH can fluctuate more frequently.
- Sanitizer levels should stay between 1-4 ppm.
- Sanitizers are used to keep the water smelling fresh and disinfect any organic compounds.

- Choosing a sanitizer is very important to keeping a clean spa: Bromine and Chlorine are the most effective and common spa sanitizers that you will find.

Why use Bromine vs. Chlorine? Bromine and Chlorine are very similar in the fact that they both kill bacteria and other harmful contaminants, but they react differently when in contact with the swimming pool water. Bromine is more commonly used in spas because it is more stable than chlorine in warmer temperatures. Bromine is also an advantage because it is less irritating on your skin. Bromine produces less of a chemical odor than chlorine does, but it is harder to wash away the chemical smell from your skin after bathing in a bromine spa.

The products that we offer for sanitizing are: Brilliance Chlorinating Granules, Bromo Tabs, and Sanitizer.

To take your spa to the next level, be sure that you are oxidizing weekly, preventing metal and scale, and keeping your calcium hardness levels in range.

Oxidizers break up organic compounds such as body perspiration, hair and skin oils, etc. Adding Brilliance Oxidizer weekly will help reduce odors, foaming, and cloudy water in your spa.

Since spa temperatures tend to be between 90-110 degrees, this causes a greater potential for scale formation. To

prevent any metal or scale formation, use Brilliance Metal and Scale Control once a week to moisturize spa water to create a luxurious spa experience.

To prevent corrosion of spa equipment, keep your calcium hardness levels between 150-400 ppm. Check monthly and use Brilliance Calcium Hardness Increaser.

We also offer more products from the Brilliance spa line such as:

- **Brilliance water clarifier:** A liquid that restores water clarity by assisting the filter in removing tiny particles that can cause clouding. Also contains Bioplex NMF with moisturizers to condition and soften spa water for a relaxing spa experience.

- **Brilliance pH true:** The unique buffering action in Brilliance® for spas pH True will allow the pH to lock in the proper range and minimize the need for additional pH adjustment from refill to refill.

- **Brilliance foam disperser:** Easy to use concentrated liquid reduces foam immediately. Also contains Vitamin E to condition the spa water and promote a skin-soothing spa experience.

**If you are unsure about how to alter your water chemistry, please bring in a water sample for a free water test analysis.*

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