



INSTA-TEST 3 PLUS

The WHY: Insta-Test is a quick and easy way to check the levels of Alkalinity (TA+), pH, & Chlorine (FCL) or Bromine (Br) in the water.

The HOW: Dip the strip into the water for a few seconds, and then compare the colours to the chart located on the bottle.

ALKALINITY

The WHY: Helps controls the pH fluctuation in the water. If TA+ is low, pH will burn off more quickly. If TA+ is high, it will be difficult to get your pH to a normal level, and will often read too high as well.

The HOW: Beginning with fresh water, dip the test strip into the tub to determine pre-occurring levels. The goal is between 80-120ppm, aiming for somewhere in the middle. Perfection is not necessary, as long as the extremely faded or rich colours are avoided. If the colour reading is faded, add a decent handful of TA+ to the water with running jets. Check with a test strip the following day, add more if necessary. Bring TA+ up slowly to avoid going over. For maintenance check levels once a week and add small amounts as needed. If over time the alkalinity levels read extremely high, it's a good time to drain the water and start fresh.

Dazzle Product Line: BALANCE TA+ (Total Alkalinity)

pH

The WHY: pH signifies the acidity level in the water. Keeping it in range of 7.2 – 7.8 will assist with the effectiveness of a sanitizer (chlorine or bromine) Having the pH too low will mean the water is acidic and as a result will burn through pump seals and heaters at an accelerated rate. If there are high levels of pH, meaning the water is more alkaline, this can result in skin irritations during soaks.

The HOW: Beginning with fresh water, dip the test strip into the tub to determine pre-occurring levels. The goal is between 7.2 – 7.8, aiming for somewhere in the middle. Perfection is not necessary, as long as the extremely faded or rich colours are avoided. If the colour reading is faded, add a decent handful of pH to the water with running jets. Check with a test strip the following day, add more if necessary. Bring pH up slowly to avoid going over. For maintenance check levels once a week and add small amounts as needed. It's best to have alkalinity levels somewhat balanced before moving on to pH. If over time the pH levels become too high, wait a few days and check again, pH levels burn off naturally over time with the use of chlorine. If it still reads high, use a pH down to help decrease the levels.

Dazzle Product Line: [BALANCE pH+](#)

[CHLORINE](#)

The WHY: [Chlorine](#) in our opinion is the optimal choice for hot tubs. Warm water is an ideal breeding ground for bacteria and [Chlorine](#) is effective in killing that bacteria regardless of the pH and alkalinity levels. It can dissolve quickly in hot water which means it will penetrate the water faster than any other sanitizer. It works by creating chemical reactions with particles, suntan lotion, moisturizers or anything else is left behind from our bodies. A lot of users are discouraged from wanting to use [Chlorine](#) from their experiences with it in public pools, but the chlorine levels required to keep a public pool safe for all patrons, and the levels required to clean a personal hot tub is quite different. In a pool, the levels need to be consistently high to combat the constant turn over of patrons. In a hot tub, in order to reduce the amount of chemicals required, we recommend the use of [Chlorine](#) in conjunction with an Ozone sanitization system.

The HOW: Upon starting up with fresh water the first step is balancing the TA+ & pH to optimal levels, then add 2 tablets of [Chlorine](#) and let them dissolve/burn off in the water. For maintenance, after soaking in the hot tub, add the recommended amount of [Chlorine](#) tablets to kill any bacteria left behind. Having a bright purple reading on the test strip is not necessary to safely enter the water for the next soak. Look for signs of clean water including clarity and scent. If the water looks clear & smells clean, then most often it is! This method is recommended in conjunction with Ozone & proper filtration. For hot tubs without an Ozone, add additional [Chlorine](#) tablets periodically to the tub when not in use (one every few days).

Recommended Tablet Guidelines

1 - 2 Bodies.... 1 Tablet

2 - 4 Bodies... 2 Tablets

5 + Bodies..... 3 Tablets

Dazzle Product Line: [Mini Chlorinating Tablets](#)

BROMINE

The Why: Based on personal preference of sanitization, [Bromine](#) can be used alternatively to chlorine, but if [Bromine](#) is chosen, just note that it requires more diligence in order to be effective. This chemical dissolves slowly, and requires more stabilized pH and TA+ levels that should be monitored regularly.

The HOW: Add 2 tablets to a chemical floater and let rest at all times inside the spa. Add more tablets as they dissolve.

Dazzle Product Line: [Bromine Tablets](#)

SHOCK

The WHY: Once Chlorine/Bromine comes in contact with organic material it leaves behind chloramines/bromines, a scented inactive particle that can no longer kill bacteria. Using a shocking agent designed for hot tubs will help to oxidize the water and release the chloramines/bromines in the water reducing the harsh scent. Having a chlorine based shock will also be of helpful in instances when the water has not been sanitized for an extended period of time, and an extra boost is needed to combat bacteria. Note that the correct Shock created for hot tubs and not for pools is being used. Hot Tub shock contains sodium dichloro-s-triazinetrione, and pool shock has calcium hydrochloride. If a pool shock is used, the calcium build-up will stain the acrylic, choke the fibers in the filter, and break down pump seals.

The HOW: Every 3-4 weeks place a cap full of [Amaze Plus](#) into the Hot Tub and let the water circulate with the cover off for one hour to allow for aeration. If there has been a particularly heavy bather load, apply a cap full of [Amaze Plus](#) after the tub has finished use for the day. If water becomes neglected & requires extra sanitization treatment, add a cap full of [Amaze Plus](#) in conjunction with chlorine.

Dazzle Product Line: [Amaze Plus](#)

CLARIFIER

The WHY: Clarifier can come in a powder or liquid form. It has a couple of uses including clearing up cloudy water and assisting the shock. Clarifier helps accumulate particles together so it can easily be caught by the filter. This product also comes in a pool variation, pool clarifier is considered a flocculent, and allows particles to settle at the bottom of the pool for vacuuming, so its best to use clarifier designed for Hot Tubs.

The HOW: Use as needed, or once every 3-4 weeks. Pour a cap full of [Nature Sheen](#) into circulating water and let run/filter for one hour. It is highly recommended to schedule a filter cleaning a few days following the clarifier treatment to remove the particles it has accumulated into your filter.

Dazzle Product Line: [Nature Sheen](#)

[DEFOAMER](#)

The WHY: Soap residues from skin or swimsuits can cause a mini bubble bath. Use this product to combat any bubbling that might occur. This product is also recommended after the use of a Drain Prep (cleans plumbing) to help control suds.

The HOW: Run the jets and add very small amounts of the liquid [Defoamer](#) (1/2 ounce) in each corner, pushing the bubbles out from the sides and towards the centre of the tub. Alternatively, the [Defoamer](#) can be placed directly into a spray bottle and misted onto the surface of the water.

Dazzle Product Line: [Defoamer](#)

[FILTER CLEANER](#)

The WHY: Keeping the filter clean is a key component to Hot Tub cleanliness. A filter can quickly become clogged reducing flow in the hot tub. (Most common FLO error) Also chlorine is designed to attack any and all organic material it comes in contact with including the particles caught by the filter. Cleaning the filter regularly is a great way to reduce the amount chlorine used in the tub.

The HOW: A hot tub will either use 1 or 2 filters at a time depending on design/manufacture. It is recommended having a second filter or set to swap out every other month. Each month remove the filter from the hot tub and use the spray nozzle from a garden hose to get in between the fibers and clean out any obvious debris. Next take a bucket of warm water and add about 1/3 of the bottle of [Rapid Action Filter Cleanse](#). Submerge the filter completely. Its recommended to let sit for 24hrs. This will allow the cleanse to pull out oils from the fibres. After soaking, remove, rinse and set aside to let dry out. A set of filters can last up to a year with regular maintenance.

Dazzle Product Line: [Rapid Action Filter Cleanse](#)

[Drain Prep](#)

The WHY: If a tub is empty and has been used by previous owners, winterized or just shut off for an extended period of time, there is a chance residual water has been left behind which can be an ideal breeding ground for bacteria. Once re-filled with water, that bacteria will circulate through the new body of water, and flow through the plumbing. Often this is very obvious by the look and smell of the water. A proper Sanitize/Drain/Re-Fill will be necessary to safely re-enter the Tub.

The HOW: It is highly recommended to start with brand new filters. Especially if they have been owned previously. Fill the Hot Tub with water and add a full bottle of [Drain Prep](#). It is also recommended to add a cap full of [Amaze Plus](#) & 3 tablets of [Chlorine](#) to combat the bacteria growth. The [Drain Prep](#) will lift the organic material from the pipes while the Chlorine kills it. Lastly, add a bottle of [Defoamer](#) as well to help control the suds from the [Drain Prep](#). Run this solution for a minimum of 72 hours, while cycling the jets as often as possible. If familiar with the topside's programming, it's recommended to increase the filtration cycle during this time. Once complete, drain the tub, follow the process for cleaning the filters, re-fill with fresh water, and balance chemicals as normal.

Dazzle Product Line: [Drain Prep](#)

[Ozone](#)

The WHY: While this is not a Dazzle Product, it is a safe and proven method of assisting with bacteria control in a hot tub that we personally recommend in conjunction with a regular sanitizer. [Ozone](#) reduces the amount of chemicals (sanitizers) needed to keep water clean. [Ozone](#) gas released into the water will combat & reduce the rate at which bacteria multiplies. It also oxidizes the water helping to release chloramines/bromines.

The HOW: Check with your manufacturer to see if an [Ozone](#) box has been installed. Depending on how the hot tub has been plumbed, [Ozone](#) gas can either be delivered with the filtration cycle, or is sometimes placed on a dedicated line through the circulating pump delivering gas 24/7. [Ozone](#) boxes have a half life. Year One 100%, Year Two 50%, Year Three 25%. After the 3rd year it is recommended to replace for optimal performance.

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[All Spa Repairs & The Hot Tub Shop](#)

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For Sunrise Spas *Warranty Documents* & *Owner Manual* visit www.sunrisespas.com under the SUPPORT tab.