

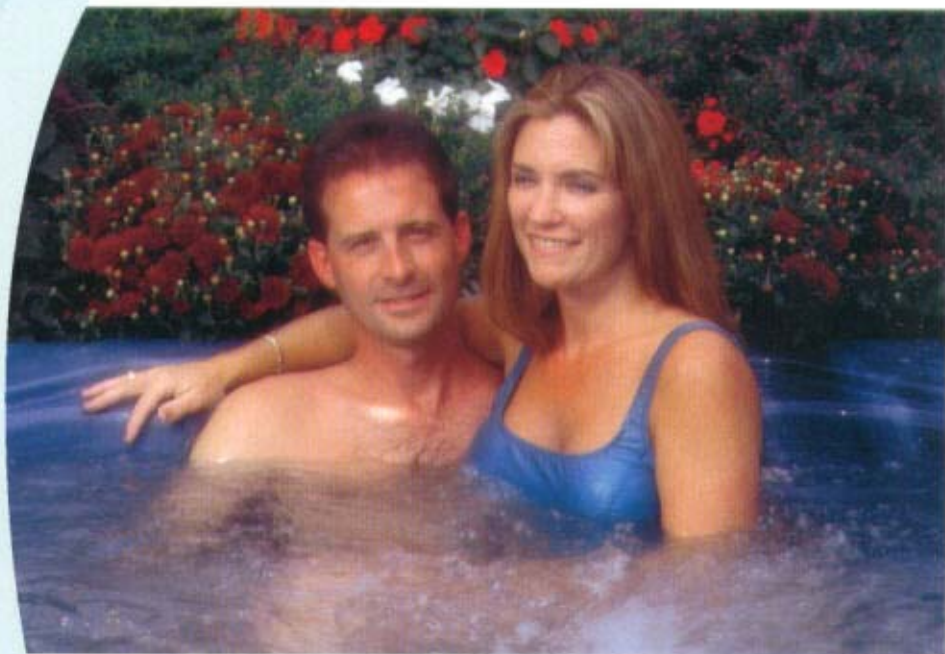
A woman with dark hair and red lipstick is shown in profile, relaxing in a hot tub. She is wearing a white bikini top. The water is bubbling, and the background is a dark blue gradient. The image is framed by a large, faint circular graphic.

SPA
Essentials[®]

SPA CARE GUIDE

BEAUTIFUL SPA WATER THE EASY WAY™

SPA ESSENTIALS[®]



Spa Essentials[®] makes caring for your spa easy and simple. This comprehensive guide will help you understand the different aspects of spa care and the right products to use to keep your spa clear and inviting. That's why we say that Spa Essentials always gives you "Beautiful Spa Water the Easy Way."

Keeping your spa looking its best can be easy if you follow a few basic steps. This guide explains how to start-up and maintain your spa, and how to keep your spa water clear and ready for you. By following these easy steps and using Spa Essentials products, you can:

- Keep your spa water protected from bacteria
- Keep your spa water clear and inviting
- Protect spa surfaces and equipment

Your spa may also come with an ozone generator or mineral device. Even with these items, you still need to pay attention to the maintenance information in this guide. Since every spa is unique, you should also refer to your spa owner's manual for equipment operation and maintenance procedures. Always read product labels for detailed information on application and dosage. And, of course, feel free to ask your Spa Essentials dealer any other questions you might have. You can also refer to our helpful Web site at www.spa-essentials.com for more spa care information.

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Your Spa Systems

Your spa is equipped with powerful systems to help keep the spa water clear and inviting. Spas use a strong pump and motor to circulate the water and pass it through a filter. The motor also runs the jets to help provide the relaxing, bubbling experience that spa owners love.

Circulation and Filtration

Every day, bacteria and other contaminants can find their way into your spa water. Proper circulation will help prevent these contaminants from becoming problems. As the water circulates it passes through the filter and the suspended particles are trapped there. The circulation system also helps distribute the Spa Essentials® products that kill bacteria, prevent problems and keep the water sparkling clear.

What You Need To Do

- Run your spa's circulation system every day. Check your spa owner's manual to determine how long the circulation system should run or ask your Spa Essentials dealer for advice.
- If your spa has a separate circulation pump that runs continuously, make sure your system is always in good working order.

Many spa problems are caused by poor filtration. A spa filter that is working properly will help keep the water clear by capturing the hair, oils and cosmetics that wash off people when they use the spa. If the spa filter is dirty or clogged, it cannot remove this debris and the material will remain in the water. Most spas have a cartridge filter. Check your owner's manual for information on how to remove the filter for cleaning. Typically you should clean the filter every four to six weeks.

How To Clean Your Filter

- Remove the cartridge filter.
- Rinse the filter with a garden hose to remove loose debris. A spray nozzle will work best. Do not use a pressure washer as this may damage the filter elements.
- Every time you clean your filter, use Spa Essentials **Filter Cleaner** to dissolve and loosen the built-up oil and dirt.
- Thoroughly rinse the cartridge again. *(Allow the filter to dry before replacing it in the spa. Many spa owners prefer to have an extra filter to use while cleaning the dirty one.)*
- Return the cleaned cartridge to the filter housing.
- Replace the filter element as often as the manufacturer or your Spa Essentials dealer recommends.

Regular Cleaning

Spa surfaces should be cleaned regularly to remove build-up. Dirt, oil, and even bacteria can accumulate at the waterline, looking like a bathtub ring. Regular cleaning of spa surfaces preserves the surfaces so the whole spa environment looks and feels better.



What You Need To Do

- Brush and vacuum the spa.
- If you have a skimmer basket, empty it once or twice a week.
- Clean the oily ring that forms at the waterline using Spa Essentials® **Surface Cleaner**. Surface Cleaner breaks up the oils and debris at the waterline so you can easily wipe the surface clean. A sponge or soft cloth is ideal for using Surface Cleaner. And don't worry because Spa Essentials Surface Cleaner is totally compatible with your spa's water chemistry.
- Prevent waterline build-up with Spa Essentials **Enzyme Cleaner**. This natural product adds enzymes to the water that digest most oils and eliminate them from the water. Add 1 oz. or four capfuls of Enzyme Cleaner to your spa water weekly for every 100 gallons. Enzyme Cleaner will prevent waterline build-up, help keep your filter clean, and prevent foaming.

Draining And Refilling

Regular draining and refilling is a normal part of spa maintenance. Over time, the spa water will absorb dissolved minerals, chemicals and other material. This material may make the water cloudy and irritating, indicating it's time to "start fresh."

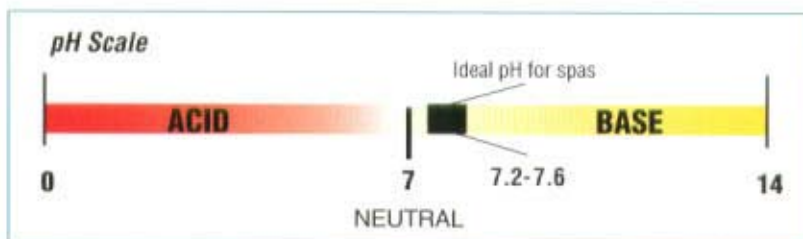
How often you should drain and refill your spa depends on how often you use it. With an average use of 2-3 times per week, you should drain and replace your spa water every 2-3 months. If you use your spa more often, you may need to do this sooner.

How To Drain And Refill

- Drain the spa water. Check your owner's manual for information.
- Clean all spa surfaces with Spa Essentials Surface Cleaner.
- Refill the spa with fresh water.
- Test the spa water and rebalance if needed. See Spa Start-Up section on page 7.

Spa Water Balance

To keep your spa water comfortable and inviting, be sure to adjust the spa water balance as needed. Balanced spa water is the best way to ensure that bathers are comfortable and the water is clear and ready to use. Balancing spa water includes adjusting levels of pH, alkalinity and calcium hardness to their proper range.



pH

pH is a scale that runs from 0 to 14 and measures how acidic (low pH) or basic (high pH) something is, in this case spa water. The correct pH range for spa water is 7.2-7.6 or just about in the middle of the pH scale. Proper pH makes the spa water feel comfortable and helps protect equipment and surfaces from damage. Keeping the water in the proper pH range also helps the Spa Essentials® products work their best.

If the pH is too high (above 7.6) sanitizers are less effective, surfaces and equipment can scale, water may cloud, and shorter filter runs may occur. Correct this by adding Spa Essentials **pH Decreaser**. Low pH (below 7.2) causes sanitizers to dissipate more rapidly, increases corrosion of surfaces and equipment, and may make water irritating to spa users. Adjust low pH by adding Spa Essentials **pH Increaser**. Maintain pH level between 7.2-7.6.

Alkalinity

Alkalinity is a measure of the water's buffering capacity or ability to resist changes in pH. The proper alkalinity range for spa water is 100-150 parts per million (ppm).

Keeping the alkalinity in its proper range will prevent the pH level from moving too high or too low. If the alkalinity is too low, add Spa Essentials **Alkalinity Increaser**. If the alkalinity is too high use Spa Essentials **pH Decreaser**.

Calcium Hardness

The calcium hardness level in spa water also needs to be adjusted to its proper range. Low levels of calcium (water is too soft) can lead to corrosion of equipment and staining of surfaces. Add Spa Essentials **Calcium Hardness Increaser** to raise low calcium hardness. High levels of calcium can cause scaling of equipment (reducing efficiency) and ugly, rough patches on the interior of the spa. Calcium hardness should be maintained between 100-200 ppm. Use **Stain & Scale Control** if calcium hardness is above 200 ppm.



Proper Water Balance Ranges

pH	7.2-7.6
Alkalinity	100-150 ppm
Calcium Hardness	100-200 ppm

A Better Way To Balanced Water

For an even easier way to perfectly balanced spa water, use Spa Essentials® **pH Anchor**. pH Anchor helps adjust the pH to its proper range and hold it there for up to three months. pH Anchor will also take care of your alkalinity and calcium hardness levels so they will not need adjusting. pH Anchor is perfect water balance in a bottle. pH Anchor is ideal for making spa care simple and easy. Please follow label directions closely to ensure proper application.

Note: pH Anchor may cause spa water to turn cloudy when first used. This is a normal part of using this product and the filter will quickly remove the cloudiness. Excessive cloudiness may occur if calcium hardness level is over 200 ppm. Consult your dealer for best results. Do not use pH Anchor in spas with a plaster finish or grouting that contains calcium.

Spa Water Start-Up

Spa Essentials® products make spa care easy and simple. When used according to label instructions, Spa Essentials products will:

- Make the water clear and comfortable
- Kill bacteria to keep the spa water clean
- Protect spa surfaces from stains and surface build-up
- Protect spa equipment from scale caused by calcium deposits

Initial Start-Up

1. As the spa fills with water, add 2 tablespoons (4 capfuls) of Spa Essentials **Stain and Scale Control** per 300 gallons of water. This establishes initial protection against staining and scale build-up.
2. Add Spa Essentials **Chlorinating Concentrate** at a rate of 1 teaspoon per 200 gallons. Repeat initial treatment until you establish a 3-5 ppm level of chlorine. Sprinkle Chlorinating Concentrate into the water with the circulation system operating.
3. If you prefer to use brominating products, add 1 teaspoon of Spa Essentials **Brominating Concentrate** per 200 gallons. Repeat initial treatment until you establish a 3-6 ppm level of bromine. Or use Spa Essentials **Brominating Tablets** in a floater or automatic feeder to apply brominating product to the spa water.
4. Balance spa water. (See page 5).

Routine Maintenance

Regular maintenance with Spa Essentials products will keep your spa looking great with a minimum of cost and effort. Follow the directions below for beautiful spa water.

Daily Maintenance

1. Run the spa filtration system daily according to manufacturer's directions.
2. Test sanitizer level and pH and maintain proper ranges.

Weekly Maintenance

1. Shock spa water to remove unwanted contaminants and keep water clear. Add 1 oz. of **Spa Shock** per 300 gallons every week. Add Spa Shock to spa water with circulation system on. You can also use **Chlorinating Concentrate** or **Brominating Concentrate** per label directions to shock the spa water.
2. Add 2 tablespoons (4 capfuls) of **Stain and Scale Control** per 300 gallons weekly to prevent staining and scale build-up.

3. Clean waterline and spa surfaces with Spa Essentials® **Surface Cleaner** to remove dirt, lotions, and other debris.
4. Add 2 tablespoons (4 capfuls) of Spa Essentials **Enzyme Cleaner** per 100 gallons to reduce waterline build-up and help keep the filter clean.

Periodic Maintenance

1. Drain and refill your spa water every 2-3 months or as needed.
2. Remove spa filter and clean with Spa Essentials **Filter Cleaner** at least every 60 days.

Water Testing

There are two primary components that affect spa water quality:

- 1) Sanitizer level (bromine or chlorine)
- 2) pH level

When both are within their recommended ranges, your water should be comfortable, protected and clear. In addition, the other spa products will work more efficiently and your spa surfaces and equipment will be protected.

What You Need To Do

- Maintain bromine or chlorine sanitizer residual within their recommended levels:
Bromine Residual = 3-6 ppm *when using Brominating Concentrate*
Bromine Residual = 2-4 ppm *when using Brominating Tablets*
Chlorine Residual = 3-5 ppm
(If your spa is equipped with an ozone generator, you may choose to maintain the chlorine or bromine levels at the lower end of their ranges.)
- Test sanitizer and pH several times a week with test strips or a test kit.
- If you experience problems with your spa water, take a water sample to your local Spa Essentials dealer for a complete water analysis. Based on this analysis, your dealer can recommend the Spa Essentials products you need to keep your spa looking and feeling great!

Spa Essentials® Product Guide

Brominating Concentrate — Easy to use, one-step granular sanitizer and oxidizer for spas and hot tubs. Kills and controls bacteria. Dissolves quickly and completely to establish sanitizer level in water. For spa owners who prefer a non-chlorine sanitizer.

Brominating Tablets — Compressed 1" brominating tablets provide long-lasting sanitizing protection. Totally soluble, these tablets offer an alternative to traditional chlorinating products. For use in brominators or floaters.

Chlorinating Concentrate — Contains 62% available chlorine for regular sanitizing and oxidizing of spa water. Granules dissolve rapidly and completely in spa water.

Spa Shock — Non-chlorine granular shock treatment for spas and hot tubs. Removes unwanted organic compounds from spa water and restores water sparkle.

Surface Cleaner — Thick, effective cleaner for removing oils, dirt, and debris from all spa surfaces. Non-abrasive formula won't scratch spa finish. May be used regularly.

Surface Wipes — Easy-to-use cleaning cloths quickly remove debris and waterline build-up. Just wipe along spa surfaces and then throw away.

Stain and Scale Control — Liquid formula prevents stains from dissolved metals including iron, copper and manganese. Also prevents scale formation from excess calcium in water.

Defoamer — Quickly prevents and eliminates foaming in spa water.

Filter Cleaner — Removes oil, grease and other debris from spa filters to enhance filtration and improve water clarity. Use every 4 - 6 weeks to keep filters clean and operating properly.

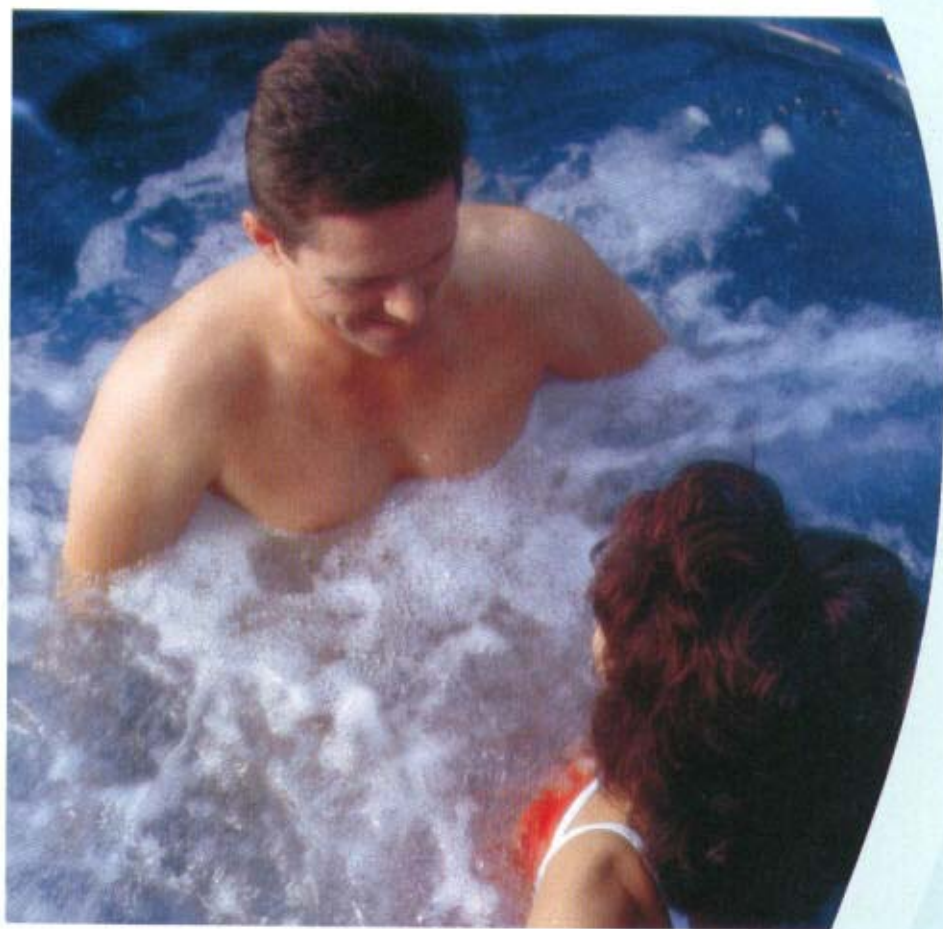
Water Clarifier — Clears cloudy water by helping filter collect floating particles. Improves filter efficiency without affecting water balance.

Enzyme Cleaner — Liquid enzyme formula that breaks down oils and grease in spa water. Regular use prevents waterline build-up and keeps water clear.

pH Increaser — Convenient, granular product that raises the pH of spa and hot tub water.

pH Decreaser — Lowers pH level to provide proper water balance. Easier and safer to store and handle than liquid acid.

pH Anchor — Establishes and maintains proper pH reading in spas. Softens the water and eliminates the need for other balancing products. Use each time spa is drained and refilled.



Alkalinity Increaser — Raises alkalinity level to protect spa water from sudden changes in pH.

Calcium Hardness Increaser — Increases calcium hardness level in spa water. Helps prevent corrosion of spa equipment and surfaces.

Spa Essentials Spa Start-Up Kit — Here's an all-in-one kit that's perfect for new spa owners. It includes great Spa Essentials products to get your spa up and running fast. Our Spa Start-Up Kit makes your introduction to owning a spa simple. It also includes our easy-to-follow spa care video and handy waterproof reference card, so you'll be soaking in no time!



Troubleshooting Tips

This section will help you identify and correct typical problems in spas and hot tubs. When in doubt, however, take a sample of your spa water to your Spa Essentials® dealer for a free analysis.

Cloudy Water

A number of factors can cause cloudy water in spas. Most commonly, poor water balance or filtration are the cause. Balance the spa water properly and chemically clean the filter to help clear the water. A build-up of oils or perspiration can also cloud spa water. Remember to drain and refill your spa regularly.

Colored Water/Metals

Colored water may indicate the presence of metals in your spa water. Copper may erode or corrode from the spa's circulation system and dissolve into the water due to high velocity and/or low pH, low total alkalinity and low calcium hardness. This will appear as green or greenish-blue water. The source or make-up water may also contain metals such as iron, copper or manganese. To prevent these from depositing out on the spa's surface and causing ugly stains, use Spa Essentials® Stain and Scale Control. In instances where dissolved metals are suspected or detected by your Spa Essentials dealer, it may be necessary to drain the spa and refill with fresh water.

Foaming

Foaming is fairly common due to jet action and the presence of lotions, cosmetics and other substances in the water. Use Spa Essentials Defoamer to eliminate foam from the spa water surface.

Rash/Skin Irritation

The most common cause of skin rash from spa use is a pathogen called *Pseudomonas Aeruginosa*. This pathogen can infect the hair follicles on the body. To treat this problem it is necessary to drain, clean and refill the spa. Once refilled, shock the spa with Brominating or Chlorinating Concentrate. Test sanitizer residual frequently. Be sure to maintain correct levels. Poor water balance may also cause skin irritation. Balance spa water properly to correct this problem.

Scale

Rough, sandpaper-like deposits can coat spa walls, clog circulation and filtration systems, and plug heaters. Scale is a result of excess dissolved calcium in the water. It becomes unstable in solution because of high pH in hot water and precipitates out as calcium carbonate. Use Spa Essentials Stain and Scale Control on a weekly basis to prevent scaling and cloudy water. Maintain pH between 7.2 and 7.6; total alkalinity between 125 and 150 ppm, and calcium hardness between 100 and 200 ppm.

Stains

Stains are usually caused by dissolved metals in the water. Spa Essentials Stain and Scale Control will help lighten or remove fresh stains. For best results, prevent stains before they occur by adding Spa Essentials Stain and Scale Control weekly.

New from Spa Essentials®

Spa Essentials Surface Wipes — Easy-to-use cleaning cloths quickly remove debris and waterline build-up. Just wipe along spa surfaces and then throw away.



Spa Essentials Spa Shock — Non-chlorine granular shock treatment for spas and hot tubs. Removes unwanted organic compounds from spa water and restores water sparkle. Now available in three great sizes for your convenience. Spa Shock comes in 2 oz. bags, 2.5 lb. bottle and a new 5 lb. size.

Spa Essentials Enzyme Cleaner — Liquid enzyme formula that breaks down oils and grease in spa water. Regular use prevents waterline build-up and keeps water clear. Keep your spa looking great by using Enzyme Cleaner regularly. Enzyme cleaner helps dissolve oils and other debris to keep your spa water and surfaces clean and inviting.



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BEAUTIFUL SPA WATER
THE EASY WAY

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