

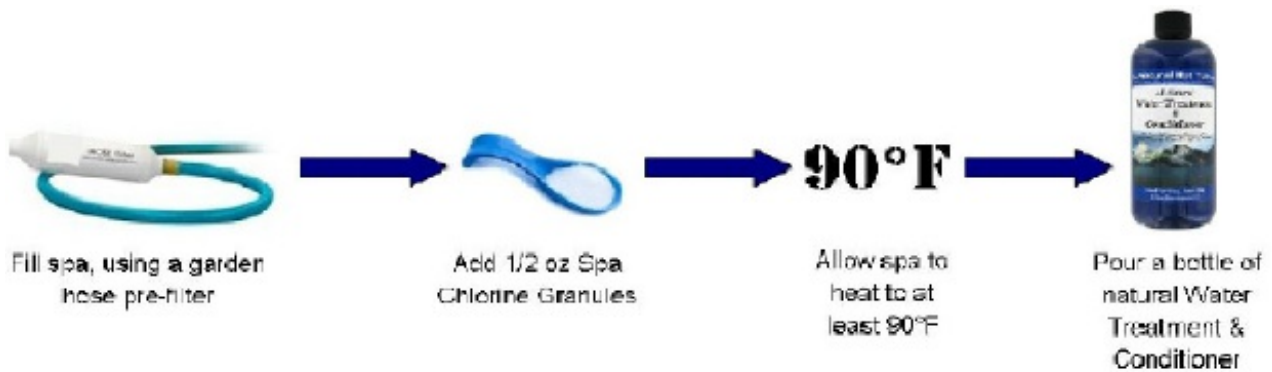
Directions

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®

Directions...

Starting your All-natural spa is as easy as these steps...



New Spa Directions

1. Water mold and bacteria may have collected in your garden hose and will contaminate the spa water. To prevent this, shut off nozzle end of your garden hose, place 1/2 tsp of chlorine granules (99% sodium dichlor) down the spigot end of the hose, attach to the spigot and fill. Let sit for 5-minutes, then flush.
2. Fill spa. The Natural Hot Tub Company's ® garden hose *Pre-Filter* is highly recommended to help eliminate the need for additional chemicals. If you are on a well, you can use water from your household water softener systems.
3. Shock with 2 teaspoons of Spa Chlorine Granules (99% sodium dichlor) for hot tubs & spas up to 500 gallons. (1 tsp for 250 gallon or less) New hot tubs & spas are water tested at the factory and some still have this old water left in the lines. 'Shocking' the water the first day is recommended to resolve this issue.
4. after temperature reaches 90 degrees or above, shake well and add The Natural Hot Tub Company ® Water Treatment & Conditioner. (1/2-bottle for spas up to 250 gallons or 1-full bottle for spas up to 500 gallons)
5. Run all pumps on high with all jets open for 5-minutes and enjoy. Check your water with a reliable test strip the next day, and only adjust if necessary.

Conversion Directions for Older Hot Tubs & Spas

This conversion takes 5-days. The Natural Hot Tub Company® Penetrating Cleanser works well in removing past chemical build-up in hot tubs & spas equipment and lines. This water will have a higher concentration of chemicals used in the past and hot tubs & spas should not be used during this time. **Please read instructions completely before starting.** .

1. Remove filter(s) and leave out during this 5-day cleansing cycle. Purchase new filters if they are over 1 year old. Clean filters that are less than a year old with The Natural Hot Tub Company® Filter Soak.
2. **Add 1-full bottle of The Natural Hot Tub Company® Penetrating Spa Cleanser into your existing water, regardless of how old the water is or what chemicals have been used in the past.** Be sure all jets are open. Two bottles are recommended if hot tubs & spas are over 5-yr old.
3. Maintain temperature at 90 degrees or higher & run filtration for a minimum of 6-8 hrs per day, 24-7 is best.

4. After 5 days, turn off breaker & drain.

5. Clean under **headrests & bottom of cover** with The Natural Hot Tub Company's® *Filter-Soak* or *Penetrating Spa Cleanser* by using 1 capful to 1 cup of warm water.* **Never use anything with soap or anything which leave a soap residue.** This is a good time to inspect your cover for any tears, which would allow contaminated water to drip back into your spa water. If your cover has any rips or tears we highly recommend purchasing a new one.

6. 'Back Flush' by shutting off spa drain, put garden hose into the filter area, and fill until bottom area of spa is full or at least 6-8 inches high. Rinse thoroughly and drain this water out.

7. Put clean or new filter(s) back in, turn breaker on. **Then complete instructions for New Spas.**

Water Testing

Before testing your water always run pumps on high for at least 1-minute for better accuracy. The Natural Hot Tub Company's® Water Treatment and Conditioner helps stabilize the pH and alkalinity levels. When making any adjustments to your hot tubs & spas water by adding products you should only add one product at a time. When adjusting pH and alkalinity, wait 24 hours before retesting your water. See Hamilton Index for more information on proper hot tubs & spas water balance.

Water Temperature 90 degrees or higher.

pH level 7.8 - 8.2 - RED

Alkalinity **80 - 120 - LIGHT GREEN**

Total Hardness **150 - 250ppm** If you have hard water, use a Stain & Scale control (Defender). If low calcium hardness (under 150ppm), use a Calcium Increaser.

Spa Recommendations

1. Make sure filter(s) are rinsed regularly, once every week or two with average use.

2. The filtration system should be filtering at least 6-8 hrs per day. 24-7 filtration is recommended if possible. **Always leave all jets including neck jets, waterfalls, etc open slightly when spa is not in use**, this will allow our enzymes to circulate fully within the hot tubs & spas water.

3. Shocking your spa water every week is recommended or anytime you have cloudy water or get an organic odor. **To be more environmental we suggest 99% sodium dichlor, because this particular type of chlorine dissipates out of your spa water, when you run all pumps on high with the cover open for 30 minutes (be sure all jets are open). This will also ensure you don't have to soak in chlorine, or breathe in the fumes** while enjoying your hot tubs & spas. The Natural Hot Tub Company® *Water Treatment & Conditioner* is also compatible with non-chlorine shocks, **however it is not recommended because it contains up to 7 other chemicals that do not dissipate out of hot tubs & spas water and can give those with sensitive skin a rash.**

Usage	1-2 person/ 2 times weekly	2 persons / 2-3 times weekly	3-4 persons 2 times weekly	3-4 persons / times weekly
Rinse filters *	Every 10-14 days	Every 10- 14 Days	Weekly	Weekly
Add 99% DiChlor **	Weekly	Weekly	After Use	After Use

*Rinse Filters with hose nozzle with high pressure or save water and time with our Filter Flosser.

** 250 gallons or **less** (1-3 person) Add 1 teaspoon of 99% DiChlor granules
250 gallon or **more** (3-7 person) Add 2 teaspoons of 99% Dichlor granules
After any addition of 99% DiChlor, run spa with cover off for one or two cycles (15-30 min)

4. Add recommended amount of The Natural Hot Tub Company ® *Water Treatment & Conditioner* every 3-months. (1/2-bottle for spas up to 250 gallons or 1-full bottle for spas up to 500 gallons)

5. If your source water is hard water then the recommended amount of a Stain & Scale Control (Non-Toxic Defender), should be used weekly, following directions on bottle. If you are on a well with high iron or other metals, definitely use a garden hose pre-filter. If you have already filled your spa, Metal Gone may be used.

6. Using our program you should be able to drain your spa water safely by ensuring a zero reading of chlorine using a test strip, allow the water to cool down and then recycle the water you drained by watering trees, shrubs, gardens etc.

Helpful Tips

Chlorine Reading	If you have a chlorine smell use the Dechlorination tablets to remove chlorine before getting in your spa and before draining. 1 tablet per 100 gallons. Wait 15 minutes. This may also be achieved by simply opening your cover and running all pumps on high for 15 minutes.
Garden Hose Pre-Filter	Highly recommended & makes initial chemical balancing easier & future issues are greatly reduced.
Filter(s)	Rinse filter(s) every week or as needed. With Average usage, filters need to be replaced yearly. Deep clean every 1-2 months using the The Natural Hot Tub Company's ® <i>Filter-Soak</i> following the directions on bottle. Greatly increases (OFL) Optimum Filter Life of your main filter(s).
Ozonators	Highly Recommended and are compatible with The Natural Hot Tub Company's ® <i>Water Treatment & Conditioner</i>
Cup-Holders	Sweep these areas out as water will turn cool and may produce a slight odor.
Bathing Suits	Wash in hot water without soap and double rinse to remove dyes and any soap residue. Colored water and foam often results if you do not rinse bathing suits properly.
Neck Jets (very important)	All jets including neck jets, waterfalls, etc., should remain open slightly so that water may flow freely during filtration cycle.
Spa Covers	Spa covers and headrests should be cleaned if any odors are present. Should you have a tear or rip in your spa cover it may need to be replaced because contaminated water may be dripping from inside your cover. Also a cover lift is a good way to preserve your cover and make your spa experience even more enjoyable.

Basic Problem Solver

Heavy Use	Should you have more than the average number of people in your spa, or ever get a slight organic odor, you may need to shock your water by adding 2-3 teaspoons of spa chlorine granules (99% Dichlor) to your water and run all jets and pumps on high for 15 minutes with your cover off. Remember spas need to breathe (oxygenate). After doing this remove your filter(s) and rinse off if necessary.
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<i>Cloudy Water</i>	Color and clarity of your spa water can best be evaluated using a clear drinking glass. Water may become colored or cloudy from soap residues or dyes in bathing suits. Cosmetics, lotions, deodorants, body oils, & some fragrances can clog the filter causing cloudy water. If your filter(s) are over a year old, you may need to replace them. Make sure filter(s) are clean by using The Natural Hot Tub Company ® Filter Soak and ensure filtration system is filtering at least 8 hours per day (if possible). Shock the water using 2-3 teaspoons of spa chlorine granules (99% Sodium Dichlor) for up to 500 gallons or 1-2 teaspoons for less than 250 gallon hot tubs. Leave spa cover open, run all pumps on high for 30 minutes with all jets open, then rinse your filters again. Repeat if necessary. If water is hazy, you may add 1-2 oz of all natural clarifier to speed up recovery time.
<i>Green Tinted Water</i>	This rare occurrence could be from bathing suits (black, blue, or green colored suits), blue spa filters or colored fragrances. If none of these apply, have your water tested for copper, and use Metal Gone as directed. To prevent metal issues in the future, use a garden hose <i>Pre-Filter</i> when filling spa.
<i>To Prevent Scaling</i>	If your alkalinity is over 120 or you have had a history of scale, use a Stain & Scale product weekly. Leisure Time Defender , is the only non-toxic Stain & Scale control we could find.
<i>High or Low pH / Alkalinity</i>	When adjusting your pH & alkalinity make small additions and wait 24-hours before testing, and only adjust if necessary . Usually our product will keep these balanced in the proper range. Use Spa Up or Spa Down, and check again after 24-hours. Remember, pH should be 7.8- 8.2. Alkalinity 80-120
<i>Foam</i>	Hardness under 100ppm may cause slight foaming. Test your water and add calcium increaser as needed to solve this issue. However, excessive foaming is almost always a result of soap residue left in bathing suits. Just remove with a skimmer net and rinse your filter(s). You may have to do this twice because of the foam left in the lines in your spa. Double rinse bathing suits in hot water to remove dyes, soap & phosphates found in soap. A soap-less shower is recommended before entering your spa. Very small amounts of 'Dirty Foam' at times may appear, this is simply the The Natural Hot Tub Company ® Water Treatment & Conditioner taking contaminants to your filter(s), which is what it is designed to do.
<i>Organic Odor</i>	Shocking weekly should eliminate this, however if you do have an organic odor be sure all jets including neck, waterfalls, etc. are open slightly when spa is not in use. Make sure filter(s) are clean and the filtration system is filtering at least 8 hours per day (if possible). "Shock" the water using 2-3 teaspoons of spa chlorine granules for spas up to 500 gallons (99% Sodium Dichlor) or 1-2 teaspoons for less than 250 gallon hot tub. Leave spa cover open, run all pumps on high for 30 minutes with all jets open allowing your spa water to oxygenate.
<i>Sludge Around Hot Tub</i>	<i>This is a sign of high iron, add Metal Gone as directed to resolve issue. Take a clean rag or paper towel and wipe off, it should not return. In the future, use a garden hose pre filter to remove iron in your source water. Another cause may be makeup from a previous use</i>
<i>Shutting Down Your Spa</i>	You can drain your spa water safely by ensuring a zero reading of chlorine using a test strip, allow the water to cool down and then recycle the water you drained by watering trees, shrubs, gardens etc. <i>If you have drained your spa and expect to leave it drained for an extended period of time, you may want to shock the water with Spa Chlorine granules (2 teaspoons for spas up to 250 gallons / 1 tablespoon for spas up to 500 gallons) when refilling. Bacteria, water mold, and algae can grow in your spa lines during shut down, and this shocking should eliminate any contamination.</i>