

TROUBLESHOOTING COMMON PROBLEMS

PROBLEM	PROBABLE CAUSE	SOLUTIONS
Cloudy Water	<ul style="list-style-type: none"> Excessive organic contaminants Buildup of unfilterable material Dirty filter(s) High Calcium levels 	<ul style="list-style-type: none"> Add chlorine shock amount or shock product Add 2 oz of clarifier Clean filter(s) either with TSP or filter clean Use Defender on weekly basis or replace 1/2 tub water
Chalky, white scale deposits (Calcium Buildup)	<ul style="list-style-type: none"> High mineral content in water Water out of balance 	<ul style="list-style-type: none"> Use Defender on weekly basis or replace 1/2 tub water Check water balance with test strips and adjust as necessary
Cloudy green water	<ul style="list-style-type: none"> Low sanitizer level 	<ul style="list-style-type: none"> Add shock dose of chlorine
Clear green or brown water	<ul style="list-style-type: none"> Metals and Minerals in solution in water (green=copper, brown =iron) 	<ul style="list-style-type: none"> To relieve, add Stain & Scale weekly; to prevent, add Metal Gon upon spa refill/restart. Check pH level
Odor	<ul style="list-style-type: none"> Excessive organic contaminants 	<ul style="list-style-type: none"> Add shock dose of chlorine
Eye / skin irritation	<ul style="list-style-type: none"> Chloramines or excessive organic contaminants pH or total alkalinity off 	<ul style="list-style-type: none"> Add shock dose of chlorine; stay out of spa until rash has cleared up Test and adjust pH and alkalinity as needed
Scum deposit on waterline	<ul style="list-style-type: none"> Oils, lotions, detergents from soakers cause buildup 	<ul style="list-style-type: none"> Add scum absorber (scum balls, zorbo sponge) to spa; or treat with Enzyme (Scum Gon) weekly
Excessive Foaming	<ul style="list-style-type: none"> Buildup of body oils, cosmetics, and detergents from soakers Calcium Hardness too low Large amount of Total Dissolved Solids 	<ul style="list-style-type: none"> Add shock dose of chlorine or add Foam Down Add Calcium Booster to obtain 150-500 ppm Change water
White floating particles	<ul style="list-style-type: none"> Biofilm, calcium, bacteria and body oils 	<ul style="list-style-type: none"> Perform Spa Flush

EASY SPA CARE GUIDE

Water Care. Filter Care. Spa Care.

PER USE

- Shower before soaking!!! (It helps reduce body oils in the spa.)
- After soaking, add 1-2 teaspoons of Leisure Time Spa 56 chlorine in filter area and run clean cycle or jets for at least 10 minutes. After 10 minutes, test chlorine levels, it should read 3-5 ppm on the test strips. If reading is low, repeat dosage and retest.

WEEKLY

- Add a "shock" amount of Leisure Time Spa 56 chlorine with the jets running. (approximately 4 times the normal dosage) After 10 minutes, chlorine test results should read 5-10 ppm on test strips. Then run jets for 2 hours. Leave cover off for first 30 minutes.
- Test water with test strips for pH and Alkalinity. If off, address Alkalinity first and then fine tune pH. Use Spa Up or Spa Down accordingly to adjust levels. Always add watercare in filter area with jets on. Adjustments take 12-24 hours to affect spa water. Test water again after 24 hours, adjust if necessary. Use test strips to test Calcium Hardness.**
**For plastic hot tubs we prefer to have Calcium Hardness levels around 50ppm.

MONTHLY & QUARTLERY

1. Clean or replace filters in hot tub once a month or as needed.
2. To Clean Filters:
 - a. Monthly: Use *Pleatco Filter Cleaning Tablets* to clean filters as instructed. Remember 1 tab will clean up to 2 filters. Rinse well with garden pressure nozzle
 - b. Use *Leisure Time Cartridge Cleaner* once every quarter. Use a pressure washer to rinse out filters well. Be sure to spray about 1-2 feet from filter so as not to destroy filter.

QUARTERLY

1. Drain tub: be sure to power spa down before draining!
2. Clean filters *Leisure Time Filter Clean*, a heavy duty degreaser and demineralizer. See monthly instructions.
3. Wipe out debris, then polish spa shell using *Gel Gloss*.
4. Use *Aerospace 303 Protectant* on Cover and composite cabinets. This provides SPF protection and ensures longevity. If cover is too heavy to lift, order a replacement. Its no longer insulating well.
5. Upon refill, add a bottle of *Leisure Time Metal Gon* when spa has 6" of water in it. When refilling the spa fill water thru filter area.
6. Once filled, add a shock amount of chlorine to tub so water will be sanitized and ready for use once heated. Run jets for to 2 hours.
7. After tub has heated up, test pH and Alkalinity and adjust accordingly; see detailed adjustment info under *WEEKLY*.
8. Once hot, Get in and Enjoy! Can you say SpaAAAAHHHH.....

YEARLY

1. Perform Spa Flush
2. Spa Flush should also be performed if:
 - There is white floating particles
 - You have just "inherited" a spa
 - Foreign substance(s) are found in your spa. You are converting from a peroxide based system to a chlorine system.
3. To perform Spa Flush
 - a. Tub should be full of warm water. Remove Filters.
 - b. Add required amount of Spa Flush to your spa
 - c. Run jets for a minimum of 2 hours with jet diverter(s) in various positions to allow product to reach all pipes
 - d. Let sit overnight if possible before draining.

- e. Run jets for 20 minutes after letting sit to stir up any substance that may have settled
- f. Drain your tub completely.
- g. A rinse cycle may be necessary, depending on type and amount of substance that product removes from your system. (refill, run jets for 30 minutes, and redrain)
- h. Refill/Reset your tub per instructions under *QUARTERLY*.
- i. Put in "fresh" filters (either clean or new)

SAFETY

A spa is extremely relaxing and enjoyable, but it is also important that your spa experience is a safe one. Please review the following safety tips before using your spa.

1. Never heat your spa or hot tub above 104 degrees Fahrenheit.
2. Avoid alcohol consumption when using your spa.
3. Always shower before using your spa.
4. Maintain a proper sanitizer level with chlorine.
5. Add each chemical separately.
6. Always add chemicals to water, not water to chemicals.
7. Always store chemicals according to the manufacturer's label instructions and keep them out of reach of children.
8. If you are pregnant, have high blood pressure or a cardiovascular condition, consult your physician prior to using spa.
9. Never allow children to use the spa without adult supervision.

SERVICE / QUESTIONS

The Waterworks provides all hot tub related services ranging from spa cleans to technical support and repairs. If you have any questions regarding your spa care please call The Waterworks at 563-3848.

NOTES:

1. DO NOT MIX DIFFERENT CHEMICALS TOGETHER.
2. DO NOT MIX DIFFERENT TYPES OF SANITIZERS IN THE SPA.
3. CALL THE WATERWORKS FOR HELP.
4. DO NOT DRAIN YOUR SPA IN THE MIDDLE OF WINTER- CALL THE WATERWORKS FIRST.