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Chlorine Frog System Weekly Chemistry

Important Start Up Tips

- **ALWAYS** turn off power when draining your hot tub.
- When refilling your hot tub, always refill through your **filter compartment**. Stick your garden hose down the main filter standpipe (generally under the grey cap). This allows the hot tub to be filled through the plumbing lines first and then enter the pool of the tub avoiding air locks and hot tubs going into protection mode.
- **NEVER REFILL A HOT TUB WITH HOT WATER**, always use cold or tempered water.

Start Up

1. Add CU LATER metal remover floater to the tub during fill up.
2. Water must be warm or at temperature before adding products. Powder products should be added to the filter compartment with jets on and cover should remain open for 30 mins after adding product. Use a test strip and check levels:
 - a. Maintain total alkalinity between 40ppm – 120ppm
 - i. If total alkalinity is low use Total Alkalinity Increaser to raise levels
 - ii. If total alkalinity is high use pH Decreaser to lower levels
 - iii. After adjusting total alkalinity wait 8+ hrs before checking and adjusting pH. However, you can move on and adjust calcium hardness/chlorine in the meantime. ***Total alkalinity affects pH and therefore needs to stabilize before you can get an accurate reading***
 - b. Maintain pH between 7.2 – 7.8
 - i. If pH is low after adjusting total alkalinity use pH Increaser to raise levels
 - ii. If pH is high after adjusting total alkalinity use pH Decreaser to lower levels
 - c. Maintain Total Hardness between 150 ppm – 250 ppm
 - i. If calcium hardness is low use Calcium Hardness Increaser to raise levels
 - ii. If calcium hardness is high use Stain and Scale Control on a weekly basis
 - d. **Test and Balance water weekly.**
3. Maintain Free Chlorine level between 1 ppm – 3 ppm
 - a. Do an initial dose of Enhanced Shock, 1 tablespoon per 300 gals
4. Adjust the Mineral Cartridge to Setting 6. Snap into the top section of the In-line Holder
5. Adjust the SmartChlor Cartridge to Setting 2. Snap the SmartChlor Cartridge into the bottom section of the In-line Holder.
6. Insert the holder into the built in system pushing down and turning to lock. Then replace the cap.

Bi-Weekly

1. Check SmartChlor Cartridge every two weeks to see if it needs replacing. Gently shake the cartridge to check if any residual is left inside. Replace as needed.
2. Add 1-2 tablespoons of Enhanced Shock every other week with cover open and jets on for 30 mins.



Note: Make sure your tub's filter cycles are on the initial factory settings.

Monthly

1. Remove filters and rinse them with a high-pressure hose monthly.
2. Remove your filters and soak them in a solution of the Filter Cleaner pod or Liquid Filter Cleaner and water. Follow cleaner recommendations for process.
 - a. It is best to let filters air dry for 24 hours before putting them back into the tub. Consider getting a second set of filters to be able to use the tub while the other set of filters are being cleaned or drying.
3. Replace the Mineral Cartridge every 4 months.

Important Tips

1. Heavy Usage:
 - a. When you first get your hot tub there is a tendency for customers to **experience cloudiness due to high usage**. Most of our dosing recommendations are based on two people using the hot tub a few times a week. If more people are using the tub more frequently you may need turn up the setting on your SmartChlor Cartridge or add Enhanced Shock more frequently to keep the water clear.
 - b. **Laundry detergent, body oils, lotions, hair products** are the main things that cause cloudiness or foaming in the tub. If you are wearing bathing suits, be sure that you run them through a warm water rinse cycle in the washer without detergent and make that bathing suit your dedicated hot tub suit. Also encourage guests to rinse off before entering the tub.
2. Winter Weather:
 - a. **IF THE POWER GOES OUT DO NOT DRAIN YOUR HOT TUB**
 - b. **DO NOT DRAIN AND REFILL YOUR HOT TUB IF THE TEMPERATURE OUTSIDE IS BELOW 32 DEGREES.**
 - c. Your Winter Blanket should be installed in your equipment compartment between November through April.
 - d. Maintain a temperature of 100 – 104 degrees during winter months. A common misconception is that turning the temperature down will save electricity. Savings are minimal and power outages are common in Vermont.
3. Cleaning:
 - a. It is important to drain and refill your hot tub every 6 months, ideally in the Spring and Fall.
 - b. If you experience a buildup of dirt and oils along the water line, Mr. Clean Magic Erasers work very well for cleaning the water line.