



**Water Chemistry 101:** Changes to your hot tub's Water Chemistry are normal and can happen rapidly based on many factors including bather load, water temperature, and water level. Regular testing and chemistry adjustments are recommended for a fun and safe hot tub ownership experience. The following guide outlines our recommended steps that you should take to maintain your hot tub's Water Chemistry. Don't worry! You'll be a pro in no time! **Pro Tip!** Read product labels for detailed instructions!

### Have these ready:

- Vanishing Act
- Test Strips
- Salt Test Strips
- Salt Cartridge (Every 2-4 months)
- Mineral Cartridge (Every 4 months)
- Spa Salt
- SpaGuard® Stain & Scale Control\*



**Pro Tip!** Vanishing Act helps reduce calcium levels in spa water.

### Start-Up Process: Take these steps during initial filling or refilling after draining.

1. Fill hot tub with water: First, remove filter and filter lid/basket. Then, add water directly to hot tub through the filter compartment. Fill to above all jets and just below pillows/headrests.
2. After filling, replace filter components and follow the instructions provided in your owner's manual to turn on your hot tub and begin heating. We recommend at least 80°F.
3. Use Vanishing Act Calcium Remover following the product and model instructions.
4. Add 1 oz. SpaGuard® Stain & Scale Control\* per 300 gallons of water. (1 oz. = 4 capfuls)
5. Use a test strip to test Total Alkalinity, Calcium Hardness, and pH levels. Adjust as needed.

**Pro Tip!** Too much calcium can interfere with your hot tub's salt system. Ideally, try to keep calcium levels near 50 PPM.

**Total Alkalinity: 80-150 PPM | Calcium Hardness: 25-75 PPM | pH level: 7.2-7.8**

**Pro Tip!** Alkalinity levels near 120 PPM will help stabilize pH levels.

### Use these to adjust levels:

- Alkalinity Increaser
- pH Increaser
- pH Decreaser
- Vanishing Act



6. Use the included phosphate test to test for phosphates. Levels should be below 300 PPB. Add SpaGuard® Phosphate Remover\* if needed. **Pro Tip!** High phosphate levels can discolor water.
7. Once your spa water has reached at least 80°F (no more than 104°F), add salt following the product instructions.
8. Test salt level **prior** to adding additional salt. Recommended salinity level is 1750 PPM.
9. Once salinity level is within recommended range, install your salt and mineral cartridges following the product instructions.
10. Add 2 oz. of SpaGuard® Chlorinating Concentrate\* per 500 gallons of water. Then, turn your jets on to their highest speed for 10-15 minutes or initiate "cleaning cycle" if applicable.  
**This step is essential to burn off contaminants and activate your Mineral Cartridge.**

**Pro Tip!** Maintenance frequency may vary based on bather load and usage.

### After Heavy Use: Take these steps after you are finished using your hot tub.

1. Activate **BOOST Mode** or supplement with one tablespoon (1 Tbs.) of SpaGuard® Chlorinating Concentrate\* to the water per every 2 users.
2. Take note of your salt status. If salt levels appear too low, we recommend testing salt level with a test strip before adding additional salt. Salt cells last up to 4 months and begin to register lower salt levels when they need replacement even if salt levels are stable.

**Pro Tip!** Activate **BOOST Mode** prior to heavy use. This will expedite the chlorination process and begin to sanitize the water as soon as necessary.



### Every Week: Take these steps every week.

1. Test Total Alkalinity and adjust if needed. Recommended range: 80-150 PPM.
2. Test pH level and adjust if needed. Recommended range: 7.2-7.8
3. Test Chlorine level and adjust if needed. Recommended range: .5-1.0 PPM.
4. Verify salt level with a salt test strip and adjust if needed. Salt levels usually remain stable even after extended periods of time and use. Recommended salinity range is 1500-2000 PPM.

#### We recommend:

- FreshWater 5-Way Test Strips\* **Pro Tip!** With heavy use, it may be necessary to use Spa Shock every week.
- FreshWater Salt Test Strips\*



### Every Month: Take these steps every month.

1. Remove filter(s) from hot tub and spray filter thoroughly with a garden hose to remove all visible debris and contaminants.
2. Spray filter(s) with SpaGuard® Filter Cleaner\* following label instructions. Rinse filter(s) with hose to remove remaining filter cleaner. Return filter(s) to hot tub.
3. Check and verify salt cell health. Salt cells can last up to 4 months.
4. Add 2 oz. of SpaGuard® Shock-Oxidizer.\*
5. Optional, add 1 bottle EcoOne Spa Monthly Conditioner\* to reduce skin irritation.

#### We recommend:

- SpaGuard® Filter Cleaner\* **Pro Tip!** Dirty filters often prevent spas from heating and can cause error codes and cloudy water.



### Between 6 Months and 1 Year: Take these steps based on your hot tub usage.

1. Drain, clean, and polish your hot tub's interior and exterior. You can use a sump pump to expedite the draining process.
2. While your spa is draining, clean your filter(s).
3. Refill your spa and follow the Start-Up process outlined on the reverse page, check salt cell health. Replace your salt cell if needed.

#### We recommend:

- 303 Aerospace Protectant\*
  - SpaGuard® System Flush\*
  - SpaGuard® Anti-Foam\*
- Pro Tip!** Learn how to drain and clean your hot tub like a pro by scanning the QR code.

