



Tub Tips

FreshWater Salt System (FWSS)

Startup

- Fill the tub with a hose through the filter compartment. This will help alleviate any air from entering the system.
 - If there is more than one filter, fill through the filter with the gray cap.
- Once the tub is full, power up the spa.
 - **220V:** First turn on the circulation breaker (30A) and then the heater (20A) in the breaker box.
 - **220V - Sovereign, Jetsetter LX, Beam, Triumph:** Reset the (20A) first and then (30A).
 - **110V - Jetsetter, Prodigy, Beam:** Plug in spa.
 - Check the pre-delivery manual for specific electrical instructions.
- Set the temperature between 95°F - 104°F.
- Test and balance water. Target chemical levels are listed below.
 - **Calcium Hardness:** 50 ppm
 - If hardness is higher than the target 50 ppm, use Vanishing Act (included with starter kit).
 - If the hardness level is above 150ppm, consider using an On-The-Go Portable Water Softener.
 - High levels of calcium hardness lead to scale buildup, which can be detrimental to components like the jet pumps and heater, as well as to the electrodes on the FreshWater Salt System cartridge.
 - **Alkalinity:** 80-120ppm
 - **pH:** 7.2-7.8
 - **Chlorine:** 2-4ppm
 - Chlorine will need to be added manually (via chlorine granules provided in the SpaPure startup kit) for the first 1-2 weeks, or until the chlorine has built a 4ppm residual
 - Turn on spa jets. With jets running, add the recommended amount of salt through the filter compartment (water capacity/salt addition listed on back of spa salt bag).
 - Allow jets to run for 5 minutes. Use salt test strips to verify that the salt level is in an OK range. Add in more salt (in small amounts) to increase salt levels.
 - Target salt level is **1750ppm**.

Chemicals

Water chemistry is an important factor in the maintenance of the hot tub. Test the water with test strips 3x/week.

Calcium Hardness → calcium can cause scaling in the hot tub

- Adjust as needed

Alkalinity Increaser → helps to insulate any changes in pH

- Adjust as needed

pH Up → low pH causes acidic water which can corrode components

- Adjust as needed

pH Down → high pH can cause scaling and corrosion

- Adjust as needed

Chlorine → kills bacteria

- Add as needed for 1-2 weeks when starting salt system, should use sparingly afterward

Shock → removes contaminants, oxidizes debris

- Add after each use

Stain & Scale Preventer → prevents scale buildup & metal stains

- Add weekly

Clarifier → helps keep the water clear

- Add as needed

Simply Soft → keeps water soft and comfortable for bathers

- Add when refilling spa before adding other chemicals

FreshWater Salt System (FWSS) Specifics

Salt Output Level = Run Time → Should be set based on frequency of use and bather load

- Level 0 = salt system off
- Level 1-2 = low use (runs 1-2 hrs/day) or vacation
- **Level 3-6 = most common, normal use**
- Level 10 = runs 24 hrs/day
- *Boost Cycle* = Level 10 for a single 24 hr period
 - Ideal to run in advance of - and after - heavy usage

Salt Cartridges

- Cartridges should last ~4 months, depending on use and on the water being properly balanced and maintained. 3-packs (*a full year's worth*) of cartridges are available at Lake Champlain Pools.
 - The spa's control panel will alert you when it's time to change the salt cartridge.

10-day Timer Notification

- If no interaction has been made with the output level of spa after 10 days, output level will drop to a Level 1

Filters

Filters need to be cleaned and changed to ensure proper water circulation. Dirty filters are the number 1 cause of spa power failure.

- Every 1 month:
 - *Cartridge Filters*: Rotate filters (if more than one)
 - *Tri-X Filters*: Rotate filters (if more than one)
- Every 3 months:
 - *Cartridge Filters*: Take out of the tub and clean - spray or soak.
 - *Tri-X Filters*: Take out of tub and clean - spray or soak. OR, can be run through the dishwasher. Do not add in any detergent and do not run through the dry cycle.
- Every 6 months to 1 year:
 - *Cartridge Filters*: Replace filters.
 - *Tri-X Filters*: Run through the dishwasher. Do not add in any detergent and do not run through the dry cycle.

Drain & Refill

- Annually: Drain tub (best to do in warmer months)
 - 1 day prior to draining, pour a bottle of Spa Purge into the spa and allow it circulate overnight to aid in clearing lines.
 - When it's drained, (1) clean spa shell, (2) clean spa filters, (3) clean spa cover
- Remember to refill the tub through the filter compartment.