

## SALT SYSTEM START UP INSTRUCTIONS

- STEP #1:** After water is drained out of the hot tub, wipe down the sides and clean or replace filters. **Test your fill water for metals, phosphates and high calcium before filling your hot tub.** Metals and phosphates must be addressed before you fill your spa or you will have future problems with the hot tub water.
- STEP #2:** **Insert salt cartridge** if you do not have a salt cartridge inserted or need to replace it.
- STEP #3:** **Fill the hot tub with water** through the filter compartment. Fill water to 1" above the highest jet. Once the hot tub is full, turn on the power at the subpanel OR plug in for plug and play spa. Set spa to your desired temperature (at least 95°). Test the jets and ensure the salt system is off.
- STEP #4:** **Test and balance** the alkalinity and PH in that order, as needed. (see Water Balance Guidelines below)
- STEP #5:** With the jets running, **add your correct amount of salt** using the measuring cup in the bag, one cup at a time until it reads in the OK range (Target 1750 ppm) on the salt test strip. Refer to chart on the salt bag based on the gallons of your hot tub for correct amount of salt to add.
- STEP #6:** **Add the start up amount of chlorine** to establish a residual amount of 5ppm chlorine. See Quick Reference below for start up amount. Run the jets for 20 minutes.
- STEP #7:** **Address high calcium** (if applicable) by using a Vanishing Act bag. Refer to the instructions on the Vanishing Act box. If your spa has a Vanishing Act mode, refer to your owners manual. *Use XL Vanishing Act bag for fill water calcium levels over 150ppm.*
- STEP #8:** After the Vanishing Act process is completed and the calcium hardness level in your spa is below 75ppm (Target 50 ppm), **turn on the salt system and set the output level.**
- STEP #9:** Test the chlorine (**FCL**) with a 5 way test strip. If the amount of FCL has dropped below 3 ppm, **add a small amount of chlorine to get the FCL level to 5 ppm** (you may have to calculate the amount you need and measure it out; see Quick Reference below) and **press the boost button** (located in the water care menu on your control panel). **REPEAT THIS PROCESS DAILY** until the salt system is able to maintain a residual level of 3-5ppm chlorine in the water on its own. This process can take a few days. If you need to **remove phosphates from your fill water**, you can do so during the Step #9 process.

### FRESHWATER SALT SYSTEM WATER BALANCE GUIDELINES:

- ALKALINITY** 40-120ppm (Target 80ppm)  
Use PH decriaser to lower alkalinity; use alkalinity increaser to raise.
- PH** 7.2-7.8: Use PH increaser/decreaser to adjust.
- CALCIUM HARDNESS** Range 25-75ppm (Target 50ppm)  
Use vanishing act bag to lower.
- SALT** Range 1500-2000ppm - (Target 1750ppm)  
Add salt to increase; drain a little water from hot tub to dilute salt.

| Granular Chlorine PPM<br>Quick Reference |         |          |
|--|---------|----------|
| Gallons                                  | Amount  | Chlorine |
| 200-299                                  | 2 tsp   | 5 ppm    |
| 300-399                                  | 3 tsp   | 5 ppm    |
| 400-499                                  | 4 tsp   | 5 ppm    |
| 500-599                                  | 4.5 tsp | 5 ppm    |
| 600-699                                  | 5 tsp   | 5 ppm    |

Please refer to your salt system owners manual and hot tub owners manual for detailed instructions on the start up process.

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