

## ACE™ Saltwater System + PhosFree Phosphate Remover

### Startup/Water Change -

1. Balance: Once your water is up to at least 95°F test the water with the Phosphate Test Kit. If you're water tests between 0 ppb and 200 ppb no adjustments are needed, and you can move to Step 2. If your levels are over 200 ppb please review the PhosFree Phosphate Remover instruction sheet.
2. With your water at least 95°F and the phosphate levels between 0 – 200 ppb, test your water with a chlorine test strip. Adjust the Ph/Alkalinity and calcium hardness as needed to be in the ok range on the test strip. If needed use a Vanishing Act or Vanishing Act XL to reduce hardness, if your water's hardness is more than 75ppm you may need to use a second one. (follow directions on the box). If your hardness is 25 or less, you will need to add an increaser. The target level is 50 ppm.
3. Add Salt: Reference the last page of this document for a chart based on your spa's water capacity. With the jets running add ½ of the minimum salt to the filter compartment of the tub wait 1/2 hr and test with a salt test strip. If needed, add ½ cup – 1cup of salt (based on the size of the tub) every 15min until the test strip reads in the Ok range. Then hit the test button on your water care screen to see if the gauge falls in the middle of the green section. If you are not in the green you may need to adjust your salt further based on where you fall. To the left means your water is low and to the right it is high.
4. Sanitize: Add up to 1 oz. FW Chlorinating Granules to create an instant chlorine reading of 5ppm. Allow jets to run for 10 minutes per jet system, rotating diverter, and water feature valves.
5. Add in Mineral Spa Sanitizer to the filter area.
6. Set Output Level: Access the water care menu on your control panel and set the output level.

**Please note:** For the first week with new water, you will need to supplement the salt system by adding ½ oz of chlorine after each use, or every other day if not using the tub often.

7. Set Auto Clean to ON. This will set the tub to cycle daily for 10 minutes.

**After each use** - Run the Clean Cycle for your tub on your main control panel.

**Note** - If you use your tub with a higher number of bathers than your normal use level, turn on the 24hr Boost Function on the control panel. This allows the salt system to generate extra sanitizer to compensate for the increased use. If you would prefer, you can add Chlorinating Granules instead of the Boost Function.

### Once a Week -

1. Rotate the filters.
2. Test your phosphate level with the test kit and follow instructions on lowering levels if you are higher than 200 ppb.
3. Test your chlorine level with a 5-way test strip, and adjust the output needed to maintain a chlorine (FCI) reading of 1-3ppm.
4. Test your Ph/Alkalinity levels and adjust as needed. If chlorine is 5ppm or higher, APh/Alkalinity can be skewed and should not be adjusted until the FCI drops below 5ppm.
5. If you did not need to change your output on step 3, you will need to confirm the level on the water care screen by changing the number up and then going back to what you had it set on. Failing to confirm can cause the salt system to shut off.
6. Wipe down the waterline with a non-abrasive scrub pad.

### Once a Month -

1. Clean your filters with FW Instant Filter Clean, thoroughly rinse before putting them back in your spa. Filters need to be cleaned with a chemical filter cleaner at least once a month.
2. Clean your cover with FW Cover Shield.
3. Follow the directions for weekly treatments.

### Every 3 months -

1. Clean the Cell for the Ace System: **Make sure to power down the tub during the cleaning process.** The cell is located inside the filter marked with a gray cap. Using the empty bottle provided with the system fill with water and 3 tbs of FW Ph/Alkalinity Down, mix well. Place the cell in the bottle. Allow to soak a minimum of 10 minutes, if there is bubbling continue to soak until it has stopped. Rinse well and returned to the filter standpipe.

### Every 4 months -

1. Replace your **Mineral Spa Sanitizer**

### Every 6 months - **\*\*\*\* Drain and refills should only be done when temperatures are above 40° F \*\*\*\***

1. Drain the spa: Power the tub off at the breaker or unplug. Locate the drain(s) on the front of the hot tub. In some models, you will find the drain inside the equipment area behind the front access panel. After finding the drain, remove the cap and attach a garden hose to allow the water to run away from the tub.
2. Once the tub is drained, you can wipe down the walls of the tub with a soft cloth if needed.
3. Put the drain cap(s) back on, making sure the black gasket is inside the cap, and close any thumb valves on the drain(s).
4. Put your hose into the bottom of the gray standpipe in your filter area. Turn your water on and let it go until it is above your highest jet.
5. Once the tub is full, power it on and set your temp.

6. Once the water has warmed up, follow the Startup/Water Change section.

**Every 18-24 months**

1. Replace the Ace Cell System with a new one, or when needed

Note - Due to system issues they can cause, you cannot use any defoaming, stain and scale, or enzyme products in your saltwater system. These products can cause damage to the salt cartridge or ACE cell.

Spa Capacity:	Spa Name:	Maximum Salt Amount:	Initial Output Setting:
200 Gallons	Jetsetter	Up to 4 ½ Cups	Level 5
250 Gallons	Provence, Kauai	Up to 5 ¾ Cups	Level 5
300 Gallons	Sovereign, Prodigy, Beam, Martinique	Up to 7 Cups	Level 6
350 Gallons	Vanguard, Aria, Flair, Flash, Bolt, Glow, Triumph, Florence, Reunion	Up to 8 Cups	Level 6
400 Gallons	Envoy, Geneva, Niagara, Tahitian, Makena, Salina, Seychelles	Up to 9 ¼ Cups	Level 6
450 Gallons	Grandee, Pulse	Up to 10 ¼ Cups	Level 6
500 Gallons	Gleam, Prism, Vista	Up to 11 ½ Cups	Level 7
600 Gallons	Cantabria	Up to 13 ¾ Cups	Level 7