



## Prepare Your Water for Ace

# Gallons in my tub: \_\_\_\_\_



It is essential to fill your tub with SOFT water. Failure to do so may result in premature failure of your ACE cell. See dealer for instructions if you do not have access to soft water.

### Prepare (Complete these steps every time you refill your spa)

1. Fill Spa with all soft water. Fill through the filter compartment.
2. Power up the hot tub.
3. Add \_\_\_\_\_ oz. of Start. **(1 oz per 100 gallons)**
4. Allow spa to warm up to desired temperature.
5. Remove and rinse filters.
6. Test & adjust water to the following levels **Do not skip this step.**

Calcium Hardness 50 PPM (See San Juan Pools for instructions.)

Chlorine 3 - 5 PPM

Add **Chlorine Concentrate** (1/2 Teaspoon per 100 gallons)

Repeat every 15—20 minutes until desired level is reached

pH 7.2 - 7.6

Add **pH Decreaser** to lower pH (1 oz per 100 gallons every 2-3 hours till between 7.2 and 7.6)

Add **pH Increaser** to raise pH (see instructions on back of bottle)

7. Maintain 3 - 5 PPM Chlorine as needed until the ace system is turn on.  
Add **Chlorine Concentrate** (see dosage above)
8. Leave ACE system output at "0".
9. Call to schedule your personal orientation session  
(new local spa deliveries only)

## Start The Ace System

# Gallons in my tub: \_\_\_\_\_



It is essential to follow the steps on the "Prepare Your Water for Ace" sheet before starting these steps. Failure to do so may result in premature failure of your ACE cell. See San Juan Pools for a copy of these instructions.

### Start (Complete these steps after you prepare water for ACE.)

1. Test water and confirm ideal water balance. Adjust if needed.
  - Calcium Hardness 50 PPM
  - pH 7.2 - 7.6
  - Free Chlorine 3 - 5 PPM
2. Test water for current salt level.
3. Add salt 1 cup at a time to the filter area until **1500 PPM** is achieved.  
Run jets for 5 minutes to ensure salt is dissolved.
4. Test water for salt level.  
**DO NOT EXCEED 1750 PPM OF SALT.**
5. Enter Ace Output Level on Control Panel (See owner's manual for instructions).  
Suggested Initial Output (Your final output level could be different)
  - Small Hot Tub 3 – 4
  - Large Hot Tub 5 - 6
6. The ACE system generates active oxygen that breaks down waste in the water. The active oxygen removes waste before the ACE system will produce a chlorine residual. It may take up to two weeks to show a chlorine residual.
7. Add **Chlorine Concentrate** as needed to maintain 3 PPM until the ACE system begins to make chlorine (see dosage on bottle).



## Maintain The Ace System

# Gallons in my tub: \_\_\_\_\_

### **Maintain (Complete these steps to maintain your water with ACE.)**

#### **Weekly**

1. Test & adjust pH between 7.2 and 7.6.  
Add pH Increaser or pH Decreaser as needed
2. Test & adjust Calcium Hardness to 50 PPM.  
Adding makeup water may increase Calcium Hardness over time. Try to add soft water when possible. See San Juan Pools for other ideas.
3. Test & adjust Free Chlorine between 3 - 5 PPM.  
Adjust output level on control panel. The higher the number the more chlorine produced.  
Supplement with Chlorine Concentrate if needed. (See bottle for dosage instructions).  
Avoid using "Boost" to increase Free Chlorine. This will shorten the life of your cell.
4. Clean & Rotate Filters.

#### **Monthly**

1. Test & Adjust Water Balance.
2. Confirm /adjust ACE output settings. The hot tub will ask for confirmation of output. If you fail to confirm the output level, the hot tub will turn down the output level automatically.
3. Shock water with Chlorine Concentrate to reach 5 PPM. (See bottle for dosage instructions).
4. Visually Inspect cell for calcium scale between the plates.

#### **Quarterly**

1. Clean ACE cell following the instructions on the cell cleaning solution or on the cell cleaning bottle.