



# Onzen™ Saltwater Startup

**Before you attempt to balance the water, the water temperature must first reach a minimum temperature of 85°F (29°C)**

## Step 1: Establish Correct Water Chemistry

Balancing the water correctly before usage will make the water easier to maintain. Remember when adding any chemical to have the lid open and run all the pumps to ensure good mixture.

1. Add the initial dose of **BEST DEFENCE(2oz/1000L)** Run the pumps for a cycle
2. **Using Aquachek yellow test strips to test and adjust alkalinity before ph. Perfect balance to raise/Adjust down to lower.**  
Once Alkalinity is in range Test & adjust pH. pH should be between 7.2 and 7.6 at this stage getting the ph as close to the lower limit will be beneficial as Step 2, adding the salt will increase ph.

## Step 2: Mixing & Adding the Salt \*\* Salt will cause pH to rise

1. Dissolve 1/3 of the required recommended salt dosage in a pail of hot water. **Refer to Salt Dosage Chart on pg 8.**
2. Add mixture into the spa with pump(s) running. This will allow the salt to mix thoroughly throughout the spa.
3. After 30 mins, re-test pH and adjust accordingly if necessary. To lower pH, add 1 cap of **Salt Water Balance** in 15 minute increments, checking between each dose. **AWP add 2 caps at a time.**  
\*\* If pH goes low do not adjust. pH will rise on its own.
4. Repeat steps 1-3 until all salt has been added.
5. Program Onzen settings using your topside. See next page (**Programming Onzen Settings**)



# Onzen™ Salt Dosage & Maintenance

<i>Spa Model</i>	<i>Volume</i>	<i>Recommended Salt Dosage</i>
Orca	1514 L	3.4kg
Grizzly	1420 L	3.1 kg
Aurora	1193 L	2.6 kg
Husky	1030 L	2.3 kg
Ellesmere	871 L	1.9 kg

The potential maintenance of your salt water system will vary depending on factors such as bather load, usage, water quality etc. There is no one specific set of guidelines to follow. Your maintenance program will be as unique as you and your spa.

<b>Maintenance</b>	<b>Frequency</b>	<b>Dosage</b>
SALT WATER BALANCE	As needed	To lower pH, add 1 cap of <b>Salt Water Balance</b> in 15 minute increments. <b>** If pH goes low do not adjust. pH will rise on its own.</b>
BEST DEFENCE	Weekly	Add 2 oz/1000 L directly to water with the pumps running
ENZYME DESCUMMER	Weekly	Add 60ml per 1000L. directly to water with the pumps running.
*Available Oxidizer	Based on usage	- If chlorine level is low or after heavy bather load add 1 cap of oxidizer to aid system in recovering.
FILTERS	Based on usage	Silver Sentinel Filters including the rescue bag should be replaced every 3-4 months. .
ZORBIE	Based on usage	Ideally a Zorbie lasts 3-4 months. This will vary based on usage, bather loads and additional factors. <b>DO NOT RING OUT/SQUEEZE</b>
WATER	4-6 months	The frequency within which you drain your spa will vary.



# Programming Onzen™ Settings

The amount of time your Onzen™ system will need to operate will vary based on many different factors. Usage, bather load, time spent in spa and water chemistry are the most common. It is recommended that you set your start time when you will not be using the tub. Then Duration 1 hour Frequency 2 times a day. This can be increased or decreased based on your need for sanitizer. If its never enough increase the duration if its to much decrease until you find the number that works for you.



## Setting Onzen Cycle Start Time

The display will show oSxx, “xx” representing the starting hour of the cycle. Use the arrow keys to adjust the hours. Use the Light key to jump to the next parameter, filter duration (Fd).



## Setting Onzen Cycle Duration

The display will show odxx, “xx” representing the duration in hours of the filter cycle. Use the arrow keys to adjust the duration. Use the Light key to jump to the next parameter, filter or purge frequency (FF).

- 0 = no filtration (It is not recommended to set this to “0”)
- 24 = continuous filtration



## Setting Onzen Cycle Frequency

The display will show oFxx, “xx” representing the number of cycles per day. Use the arrow keys to adjust the frequency. Use the Light key to jump to the next parameter, economy mode (EP).