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## **AutoPilot Nano Salt Chlorine Generator**

### **The Salt System (Nano)**

#### **The Salt Cell**

The salt cell is the part that converts pool salt into usable chlorine. The cell is comprised of iridium-coated metal plates, which are connected to the control board. As water passes over the plates, the control board electrically charges the plates, which in turn allows electrolysis to convert the salt into chlorine.

#### **The Control Board**

Without the control board, electrolysis would not be possible, and chlorine would never get made. The board is what sends electrical charges to the salt cell, enabling the conversion process to take place. It's also the part that allows you to adjust the feed rate, and timing of your salt chlorine generator.

- Ideal range = 3000ppm
- Acceptable range = 2500-3500ppm

#### **NOTE: The truth about saltwater pools:**

It is important to remember that using a salt chlorine generator doesn't make a pool "chlorine-free". It still produces chlorine — just a safer, healthier, and more reliable version of it.

#### **How to Clean the Union Screen**

If your digital display says, "check flow", you may have debris in the union screen. The union screen should be cleaned regularly.

1. Turn the pump off.
2. Turn the multiport from "Filter" to "Closed."
3. Put a winter plug into the skimmer OR turn your shut-off valve to "Closed".
4. Unscrew the union opposite the salt cell and swivel the plumbing to the side.
5. Allow excess water to drain from the plumbing and then take out the screen and rinse it off.

**REMEMBER! Before turning your pump on: hand tighten the union, remove the winter plug from the skimmer OR turn the shut-off valve back to "Open." Lastly, turn the multiport valve back to "Filter."**

#### **How to Recalibrate Your AutoPilot Salt Generator:**

1. Press "Menu" on your panel.
2. Use your Up/Down arrows to scroll to "Maintenance Menu." Press "Select."
3. Use your Up/Down arrows to scroll to "Calibrate Salt." Press "Select."
4. Hold your Up/Down arrows until desired salt level. Press "Select."



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### **How to Clean the Salt Cell**

Clean your cell if the cell blades have any calcium built up. Please note: You cannot always see Calcium unless the blades are dry.

#### **The Cap method**

1. Turn off your water pump
2. Loosen the unions as indicated on the cell manifold
3. Remove the cell and place a cap or plug on the end of the cell as shown
4. Plugs are available at any pool supply warehouse or home improvement store. Ask for a 1.5" MPT cleanout plug
5. Fill the capped cell with water 2 inches from the top of the cell blades.
6. Fill the rest of the cell with Muriatic Acid. This allows for an approximate 1 to 4 solutions.  
**Always add the acid to the water. If you, do it the other way around it can cause the solution to spray back at you and cause serious injury.**
7. Allow the solution to sit in the cell for up to 20 minutes.
8. Safely dispose of the solution. (Putting it back into the pool is recommended)
9. Remove the cap and rinse the cell with light water pressure, inspect, and repeat acid washing if the cell is still scaled.
10. Once the cell has been cleaned, dry off the cell electrical terminals, reassemble the manifold, and return the system to service. Warning: The electrical terminals must be completely dry to avoid corrosion and failure of the cell or cable.