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## Chlorine Generator Cell Maintenance

### The Basics

As pool water passes through the chlorine generator cell, pumped through by your filter pump, the salt in the water is turned into Hypochlorous acid. Hypochlorous acid is the exact same component that is produced when any chlorine is added to pool water, whether you use sticks, tablets, granular or liquid. As the water returns to the pool, it will introduce the newly produced chlorine, preventing algae, bacteria and killing micro-organisms, creating a safe and sanitary swimming environment. This all occurs due the process of electrolysis. The chlorine generator cell, through the use of a small electric current, breaks down the water into its basic elements, Hydrogen and Oxygen. By adding small quantities of granulated salt (much like household table salt - NaCl), Hypochlorous Acid (common chlorine) is produced. During the process, the Hypochlorous Acid is ultimately converted back to salt. Thus, the salt does not get "used up". Salt only needs to be "topped off" once or twice a year and only to replace salt lost due to water splash-out, bather drag off or filter backwashing.

### Chlorine Generator Cell Care

Because electricity is being passed along the blades of the chlorine generator cell, the cell will slowly degrade and chlorine production will decrease. Water chemistry balance, salt levels and stabilizer levels are all key factors in ensuring maximum cell life. Proper water chemistry is the key here. The harder you use the cell, the more you ask of it, the shorter its life span. Annual inspection and cleaning of your salt cell is one of the best things you can do to help delay cell degradation.

### Tips

In order to maximize the life of your chlorine generator cell, please follow the tips below:

Operate the chlorine generator at the lowest setting possible while still maintaining the proper level of chlorine

Ensure both your salt levels and your chlorine stabilizer levels (cyanuric acid) are within the optimal range for your pool

During the hotter summer months and during heavy bather load, add a maintenance dose of algaecide once per week to the pool water

Use of weekly or monthly Salt Water Kits can create an optimal pool water chemistry environment that will maximize the efficiency of your generator while prolonging the life your your cell