

## FOR CLEAN, PURE AND SILKY POOL WATER, JUST ADD SALT.

### **The ins and outs of Saltwater Pools**

Chlorine is hazardous to transport, handle, store, and can irritate the skin and the eyes. Homeowners must measure and add the chlorine to their pool on a regular basis. National shortages in chlorine supply can also have an effect on price volatility. So why not make your own chlorine? You can with a saltwater pool! The salt molecule (sodium chloride, NaCl) in the pool water is split apart by a chlorine generator that is installed in the pool plumbing to make the cleanest form of chlorine possible.

### **Saltwater Systems vs. Traditional Chlorinated Pools**

If you don't know much about saltwater pools, the facts may surprise you. For one, they aren't anywhere close to being as salty as seawater. In fact, they have only about one-tenth of the salinity. Second, they are not completely chlorine-free. Instead, the system uses a process called electrolysis to create chlorine, which disinfects the water.

### **Saltwater Pool Advantages**

Instead of dumping enough chlorine in your pool to last for an entire week, the salt generator makes its own chlorine, continuously, allowing for lower overall chlorine levels making saltwater pools much gentler on the eyes and skin.

Research indicates that saltwater systems may be safer than chlorine pools, which force owners to store and handle unsafe chemicals. Likewise, studies suggest that regular exposure to heavily chlorinated swimming pools could pose health risks.

Saltwater pools produce softer-feeling water, which many find desirable.

Because the salt cells in a saltwater system only produce chlorine as needed, the pools require far less maintenance when compared to traditional chlorinated swimming pools.

No more bleached-out bathing suits is also another perk of saltwater pools.

### **Disadvantages of Saltwater Pools**

Saltwater pools require a larger initial investment, making them more expensive than traditional pools.

Salt is corrosive and can cause damage to certain materials. Special attention should be given when selecting types of heaters, fixtures, underwater lighting, liners and even some types of masonry work around the pool. Bonding all metal and installing a zinc anode helps prevent this corrosion.

## **What is a Salt Chlorine Generator?**

The primary piece of machinery in a saltwater pool is the salt chlorine generator. Using electrolysis, the generator breaks dissolved salt into hypochlorous acid and sodium hypochlorite, two sanitizing agents used in chlorine-based swimming pools. The continuous process also prevents the buildup of chloramines.

With the IntelliChlor® Salt Chlorine Generator from Pentair, ordinary table salt is converted into all the pure chlorine your pool needs safely, effectively and automatically. After the chlorine has disinfected your pool, it reverts back into salt and the cycle repeats.

Find more information about the Pentair IntelliChlor® Salt Generator here-

<https://www.pentair.com/content/dam/extranet/pentair-pool/residential/brochures/pool-water-treatment/intellichlor-salt-chlorine-generator-brochure-english.pdf>