

ELECTRONIC WATER PURIFICATION

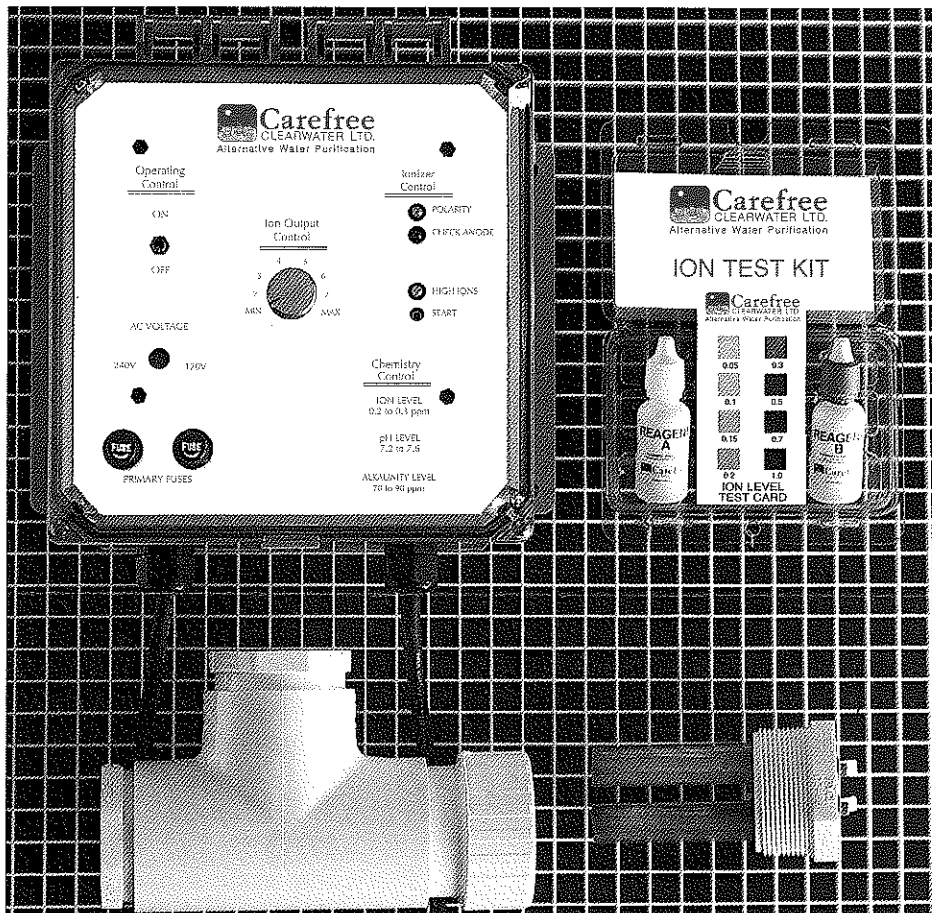
BY CAREFREE CLEARWATER, LTD.

non-chlorine oxidizer allows you to swim shortly after application. Water balance is easy to maintain since the ion system is pH neutral. Normal water testing and adjustments are all that's needed.

HOW ECONOMICAL IS THE CAREFREE CLEARWATER SYSTEM?

It actually saves you money. It operates on less than a penny a day electricity. And the savings continue as long as you own your pool.

SO TAKE ADVANTAGE OF SPACE AGE TECHNOLOGY AND ENJOY SWIMMING IN A CAREFREE CLEARWATER POOL.



Authorized Dealer

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Manufactured By

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Alternative Water Purification

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Automation is a fast growing trend in our society. It has given us more time to enjoy our lifestyles while streamlining some of the work load. Now more than ever before pool and spa owners are looking for alternatives. Technology does exist that makes pools more enjoyable and easier to upkeep.

Less than two decades ago, automatic pool vacuums first came out. Today you probably won't find a pool without an automatic vacuum. Why work at vacuuming your pool when you can let a robot do it! The same goes for sanitizing a pool. Why work daily at dosing and handling chemicals when it can be done automatically with the Carefree Clearwater system using safe mineral ions.

Copper and silver have been used for centuries to sanitize water. Copper is a well know algicide and silver is a powerful bactericide. In the ancient Greek civilization, the royalty used to drink from silver goblets and their water was stored in silver urns in order to purify their drinking water. As the pioneer settlers moved west across the American continent, they insured safe drinking water by putting silver coins in their barrels of water and milk.

In the 1960's, NASA developed an electrolytic silver ionizer to purify the astronauts drinking water for use on the Apollo missions. Today silver is used in medications for treatment of burn patients to prevent infections, for newborns to prevent blindness, to make bacteria free cosmetics, in drinking water filters, and for filling cavities in teeth to help prevent further decay. Copper based algicides have long been used in swimming pools, fountains, lakes and ponds to safely control algae problems.

WHAT IS IONIZATION? The process of an atom gaining or losing electrons is called ionization. The Carefree Clearwater system generates copper and silver ions in minute quantities for water purification.

IS IT SAFE? Yes! Copper is a needed micronutrient in our diets. In fact, in order to meet the recommended minimum daily requirements, you would have to drink a gallon of your ionized pool water per day. (But there are better ways to get your proper nutrition!) The EPA standard for our drinking water is 1.3 ppm of copper. Less than one-fourth of this amount is all that's needed to purify your pool!

HOW DOES IT WORK? A safe low DC current like that of several flashlight batteries is passed through a set of copper and silver alloy electrodes. As the water passes through the sealed chamber, metallic ions are generated to purify the water. The microscopic action of the ions with the algae and bacteria are twofold. First, the algae and bacteria are destroyed through a change in their enzyme processes. Second, all these charged particles floc together and then they are more effectively pulled out by the filter. The ions maintain a stable sanitizer residual in the water until they are used up by this process.

WHAT ELSE DO YOU HAVE TO DO? The Carefree Clearwater system maintains superior water quality using a minimal halogen level. Occasionally though you will need to oxidize the water to help break down excess organic debris from suntan oils, rain and wind etc. Using a

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