

LIFEGUARD TECHNOLOGY: How it Works



Clear
Comfort

Inspired by Nature, Backed by Science

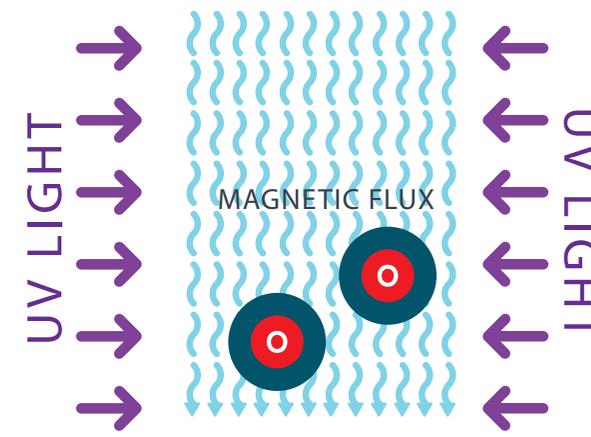
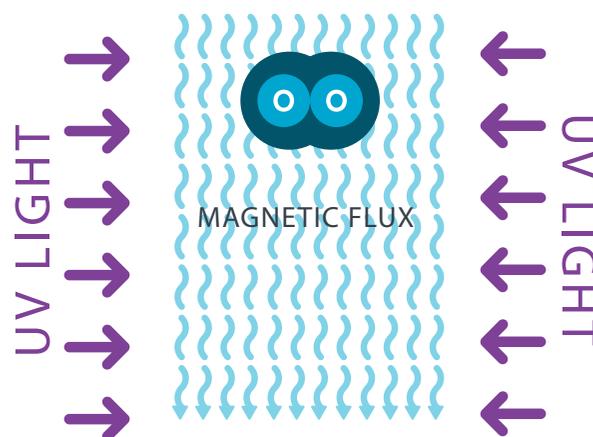
Clear Comfort™ takes pool sanitation to the next level with its patented LifeGuard Technology that is five times more effective than other advanced oxidation systems.

Inspired by the same natural process that makes our air clean and breathable, this unique Advanced Oxidation Process creates powerful hydroxyl radicals that destroy the toughest contaminants on contact.

The system then produces a safe level of hydrogen peroxide that is passed into the pool for continuous residual sanitation.

Clear Comfort brings this technology to you to keep your pool safe, clean and healthy.

LifeGuard Technology Creates Hydroxyl Radicals from Ambient Oxygen



Dual Stage Disinfection

Stage 1: Hydroxyls

The Clear Comfort system uses a strong disinfection method called Advanced Oxidation.

This process creates potent & fast acting disinfectant molecules known as hydroxyls that, more effectively than chlorine, eliminate bacteria, viruses and protozoan cysts.

Stage 2: Hydrogen Peroxide

The Clear Comfort system produces a lasting & safe level of hydrogen peroxide that passes into the pool to provide residual sanitation. Often used in water treatment, hydrogen peroxide meets standards of safety & efficacy to offer residual sanitation. In addition, hydrogen peroxide sanitation does not produce any harmful disinfection byproducts.

Contact us:

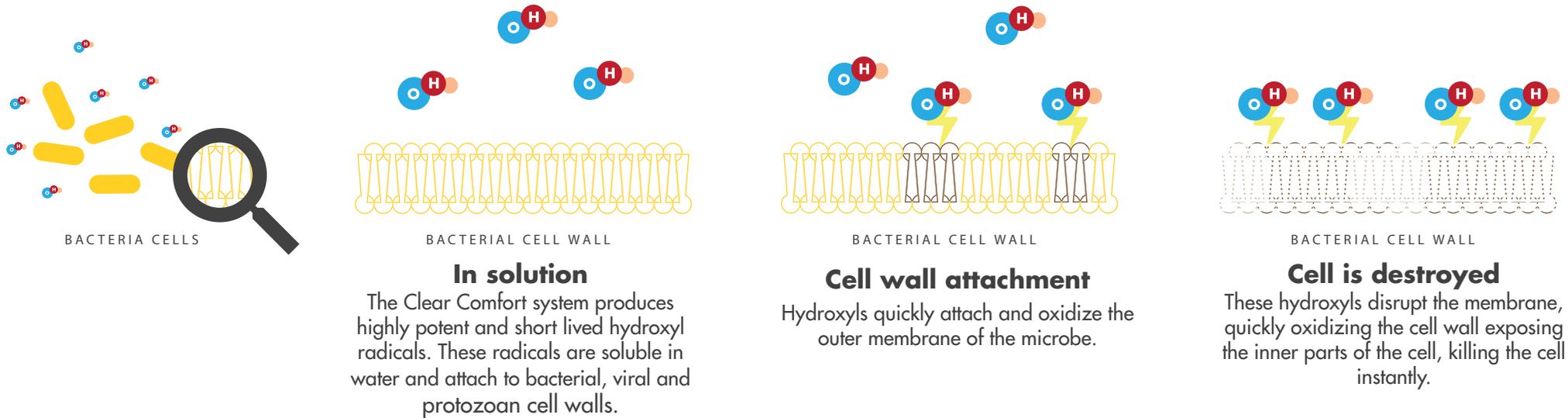
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A More Powerful Sanitation Solution



Chlorine resistant microbes plague the swimming pool industry and are becoming more common. Clear Comfort™ delivers the required level of disinfection to kill harmful contaminants such as *Cryptosporidium parvum*. Independent laboratory tests have proven that this Advanced Oxidation Process eliminates 99.9 percent of *Cryptosporidium*, even at high load concentrations.



Reduce Harmful Chemical Exposure While Improving Disinfection

More effective than chlorine: Clear Comfort's LifeGuard Technology™ uses a strong disinfection method called an Advanced Oxidation Process that, more efficiently than chlorine, eliminates bacteria, viruses and protozoan cysts (including common chlorine-resistant *Cryptosporidium*).

Reduce chemical exposure: Lifeguard Technology eliminates or reduces harmful disinfection byproducts created through the interaction of organic matter with pool chlorine. Third-party laboratories and universities have characterized disinfection byproducts (DPBs) as carcinogenic and linked them to eye and skin irritation, allergic reactions, asthma, congenital deformities and miscarriages, and even cancer.

The evidence is clear; these highly varied and potent byproducts should not be permitted in our pools. This new Advanced Oxidation Process has set the bar for the future.

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www.clearcomfort.com