



Spring Newsletter

Crystal Clear Swimming Pools

SPRING 2017

Clean Deck = Clean Pool

A CLEAN DECK REDUCES POOL CONTAMINANTS

There are a lot of contaminants on your deck that greatly affect your swimming pool water as well as increasing your chemical use. Not only do they increase your sanitizer demand (chlorine etc.) but they also affect your pH, Alkalinity, and other water chemistry factors. This may increase the chemical cost considerably.

These contaminants enter your pool in many different ways. They can be tracked in on swimmers feet, washed in by the rain, and blown in by the wind.

They can add to the maintenance required to keep your pool looking great all season long.

Leaves and other plant debris can be blown in from your deck. This will fill up your skimmer basket and inhibit water circulation. You should be checking your skimmer basket daily.

Dust and dirt can be blown in or tracked in on swimmers feet. This puts a strain on your filtration system and some will settle to the

bottom requiring vacuuming.

The above contaminants are fairly obvious and may be cleaned up by sweeping or hosing off the deck periodically.

There are also many types of mold, mildew, and even moss (in some cases) growing on your deck. That is the small green, brown or black spots that develop on your deck and seem to grow larger over time.

If you have a concrete deck the very top layers of the concrete will oxidize over time and slowly turn darker until they shed off as very tiny particles.

The easiest way to remove these contaminants is by pressure washing your deck with an environmentally friendly cleaner formulated for this purpose. You could also scrub them by hand or use a diamond grinding machine.

Crystal Clear can pressure wash your deck to remove these contaminants in a few hours, depending on the size of your deck.

A Word About Swimming Pool Contaminants



There are many things that may contaminate your swimming pool (see article to the left for some of them). Many other contaminants are introduced by the bathers themselves.

The list is long but here are a few to give you an idea of what we are talking about.

Personal care products like deodorant, hair gel, make-up, etc.

The human body produces things that contaminate your pool like sweat, skin cells, urine and feces. These contaminants are virtually unavoidable especially if kids use your pool.

This results in the black "bathtub ring" that forms around the water line of your pool, also known as the "scum line".

The best way to reduce these contaminants is to make sure that everyone showers before using the pool.

There are products specially formulated to help break down these oils so they can be filtered out.

Your deck is an integral part of your pool!

Believe it or not!

Sanitizers – Primary & Secondary

REDUCE YOUR PRIMARY SANITIZER USE WITH A SECONDARY SANITIZER!

A primary sanitizer must be used in all residential swimming pools to control bacteria, algae and other contaminants. Primary sanitizers used in residential pools are Chlorine (including salt systems) or Bromine. They are added to the pool water and start to work immediately but also leave a residual amount that continues to work after initial treatment.

A secondary sanitizer is not required, however they are used to significantly reduce the amount of primary sanitizer needed to keep the pool water clean and free of contaminants. This reduction can be as high as 70% in some cases. This also reduces the side effects of your primary sanitizer such as liner fading and bather sensitivity to the harsh chemicals.

There are 3 main types of secondary sanitizers used for residential pools and one system that is a combination UV, Ozone and oxidant system.

OZONE

Ozone actively breaks down non-living waste products in pool water which can combine with chlorine to form unhealthy by-products that can irritate skin and have been linked to

asthma and other ailments. Use of ozone reduces the demand for pool chemicals by up to 70% and allows the chlorine in the pool to work more effectively as a disinfectant.

COPPER IONIZER

Copper ion systems use a low voltage current across copper bars (solid copper, or a mixture of copper and zinc or silver) to introduce free copper ions into the flow of pool water to kill organisms such as algae in the water and provide a copper "residual" in the water. This will reduce your chlorine use by up to 70%. When using this type of system you must monitor the amount of copper in your pool water using a simple test. Use a sequestering agent if the copper levels get too high. High coppers level may stain pool surfaces such as liner, stairs etc. You must replace the ionizer electrodes every year.

ULTRA-VIOLET

UV sterilizers utilize a germicidal ultraviolet lamp that produces short wave radiation lethal to bacteria, viruses and other microorganisms present in water. The UV radiation acts on the DNA or RNA of the organism killing it instantly.

Ultraviolet water treatment purification is a unique and rapid method of water disinfection without the use of heat or chemicals.

HYDRORITE UVO3

This is an advanced water treatment system that delivers a level of water purity unmatched by any other swimming pool sanitization method. This supplementary system releases a powerful trio of treatments - UV, Ozone and Advanced Oxidants - that works in collaboration with chlorine to dramatically reduce overall chemical usage and even lessen total chlorine demand by 50% or more. When the Ozone collides with the UV light a reaction occurs that creates highly potent hydroxyl radicals. Hydroxyl radicals have even more oxidation potential than Ozone, which is known as Advanced Oxidation Process. With less chemicals used, it's the more natural way to sanitize that's friendly to both the environment and your wallet.

Contact us if you would like to explore your sanitizer options.

(905) 458-5038

www.crystalpools.ca

 <p>Hayward Salt Unit Save \$200 From \$2000*</p> <p><small>*Price includes installation and 10 bags salt.</small></p>	 <p>Clear O3 Ozone System SAVE \$100 From \$1000*</p> <p><small>*Price includes installation</small></p>	 <p>Save \$100 From \$1000* *Price includes installation</p>
<p>Opening – Closing – Weekly / Bi-weekly Liners – Heaters – Pumps – Filters - Salt Leak Detection & Repair – Water Testing Complete Restorations A full line of chemicals & accessories WE DO EVERYTHING BUT BUILD NEW POOLS</p>	 <p>Hayward UVO3 System SAVE \$500 From \$4500*</p> <p><small>*Price includes installation</small></p>	<p>Crystal Clear Swimming Pools 18 - 8 Melanie Drive Brampton ON L6T 4L2 905-458-5038 Cell : 416-779-POOL (7665) ccsp@rogers.com – www.crystalpools.ca</p>