

UV Sanitisation

KILL THE BUGS WITH NO NASTY SIDE EFFECTS WITH CRYSTAL CLEAR UV SANITISATION

- ✓ Kill Viruses and Bacteria
- ✓ Eliminate organic matter and algae
- ✓ Dramatically lower chemical use
- ✓ Reduce red eyes and skin irritation
- ✓ Protect your cover and head rests from ozone damage

Science has recognized the bactericidal effects of UV for nearly a century. The world's industrial nations have been using it as a drinking water sanitizer for decades, and pool operators in Europe discovered its benefits years ago.

Tom Lachocki, Ph.D., CEO of the National Swimming Pool Foundation

in Colorado Springs, USA., says his organization and the Centers for Disease Control are big advocates of UV sanitization.

"There is a lot of data, precedent and science behind UV," he says. "But the most exciting thing is its ability to inactivate cryptosporidium. UV can stop crypto almost immediately. In fact, UV has the same effect on giardia, a protozoan parasite responsible for another notorious recreational water illness called giardiasis."

So what exactly is ultraviolet sanitization and how does it work?

Ultraviolet light is a part of the electromagnetic spectrum that is invisible to the human eye because its wavelengths are too short. The way UV light goes about its sanitizing business is to break down the DNA of bacteria and the RNA of viruses. Sufficient dosages will prevent the organism from repairing itself, and it

cannot replicate. Ultra violet light is also known to oxidize and eliminate organic material and green, black and brown algae.

UV advocates say the light can also destroy chloramines, the chlorine byproduct responsible for that undesirable "pool smell," as well as red eyes and skin irritation.

Through all of this, though, remember that UV light is not a stand-alone sanitizer. It still needs to work in conjunction with another sanitizer. However, UV will help make sanitiser residuals last longer and save on chemical bills.

For years, spa buyers have had to rely on ozone based sanitisation systems which have a nasty odours and can destroy spa head rests and covers, now they have an alternative with virtual no nasty side effects.

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