What is a High Risk Pool?

According to the CDC Model Aquatic Health Code: secondary disinfection requirements are defined for venues with an increased risk due to intrinsic characteristics of the water or of its users:

- Increased risk of microbial infection
- Pools intended for children under five and/or incontinent adults
- Splash pads, wading pools and pools with added features (water slides, play structures, etc)
- Therapy pools or pools with users at increased risk (patients with wounds, etc)

Pools with these characteristics require a second level of sanitizer in the water to keep them safe at all times.

NSF 50 Certification for Secondary Disinfection

There are two main types of certification defined by NSF 50 for pool sanitizers.

Supplemental: Optional sanitizers that may be used to improve the water quality and system performance.

Secondary: Verified for a measurable kill of microbes including Cryptosporidium. An MAHC requirement for increased risk pools.

DEL brand products from CMP are the only ozone sanitizers with 3rd Party Validation per NSF requirements



TO LEARN MORE ABOUT CMP COMMERCIAL PRODUCTS AND LOCATE THE PERFECT SYSTEM FOR YOUR NEXT PROJECT VISIT:

CMPCOMMERCIAL.COM

CARING FOR HIGH RISK POOLS WATER HEALTH **AND SAFETY WITH A SECONDARY POOL SANITIZER**

What are the options for High Risk Pools?

Ozone Systems

- Ozone Kills Cryptosporidium Parvum
- Ozone Kills microorganisms
- Ozone is a powerful oxidizer
- Ozone passes into the pool at low levels to provide additional oxidation
- Ozone functions well in cloudy water and is a micro-flocculent which aids water clarification
- Ozone oxidizes chloramines and prevents their production
- Ozone oxidizes organic and inorganic compounds
- Ozone destroys biofilm that can harbor microbe colonies, including Legionella.

UV Systems

- UV inactivates Cryptosporidium Parvum
- UV inactivates microorganisms
- UV is not an oxidizer
- UV affects the water as it passes the light
- Only clear water can be effectively treated with UV light; cloudiness significantly reduces efficacy
- UV breaks down Chloramines
- UV does not effect biofilm

Ozone is faster, powerful and more effective

Other Ozone Benefits

- Utilize ORP to measure the cleanliness of the water
- Can be turned off and back on instantly
- Can run continuously 24/7
- Reaction with FAC is very slow–will not effect pool residual levels.
- Ozone cells require minimal service and have no hazardous components
- Destroys Humic and Fulvic Acid

---- RELATIVE OXIDATION REACTION TIME ----

UV-C

CHLORINE

HOURS

OZONE

MINUTES

YOU DON'T HAVE TO JUST TRUST US! HERE IS THE ACTUAL DATA:

ANTI-MICROBIAL ANSI/NSF PROTOCOL P308

ACTUAL MICROBIAL REDUCTIONS IN 30 MINUTES* E. coli: 4.7 log (>99.99%)

Staphylococcus aureus: 4.7 log (>99.99%)

Pseudomonas aeruginosa: 3.2 log (>99.9%) Trichophyton mentagrophytes: 4.0 log (99.99%)

Candida albicans: 4.7 log (>99.99%)

ANTI-MICROBIAL ANSI/NSF STANDARD 50, ANNEX H

Actual Microbial Reductions in 6 Minutes**
Pseudomonas aeruginosa: 6.6 log (>99.9999%)
Enterococcus faecium: 6.7 log (>99.9999%)

ANTIMICROBIAL FOR CRYPTOSPORIDIUM PARVUM REDUCTION TESTED BY NSF INTERNATIONAL

Actual Microbial Reductions in 30 Seconds***
Cryptosporidium parvum: 3.0 log (>99.9%)

*Pass compliance requires a 3-log (99.9%) reduction in 30 minutes

**Pass compliance requires a 3-log (99.9%) reduction in 30 minutes

***Pass compliance requires a 3-log (99.9%) reduction of Cryptosporidium parvum





THE DEL OZONE PRO DIFFERENCE

- NSF Standard 50 Annex H Listing for Secondary Disinfection
- Fully integrated package in a single enclosure
- Efficiency Injecting under vacuum for better mass transfer
- Multiple Safety Interlocks
- Skid mounted systems for easy installation
- 100% Duty Cycle with no minimum off time or warm up periods