

Pool Sanitation Comparison

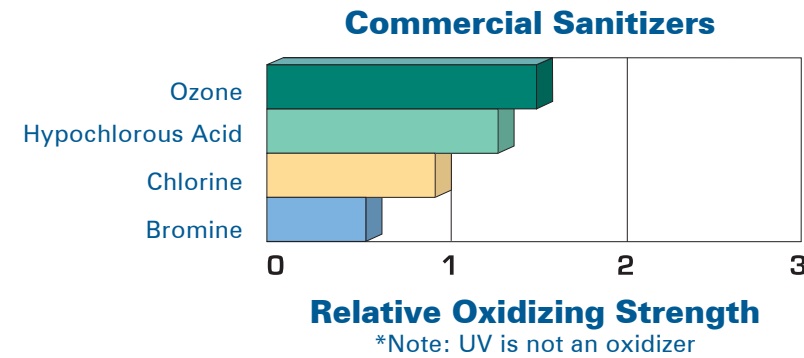
Consideration		Ozone	Chlorine	UV	Ionizers	Bromine
Water clarifier	Swimming Experience	yes	no	no	no	no
Oxidizes organic by-products (color)		yes	moderate	no	no	no
Emits Odor		no	yes	no	no	moderate
Irritates skin, eyes, nose, throat		no	yes	no	no	yes
Increases dissolved solids in pool		no	yes	no	yes	yes
Oxidation strength		Safety	excellent	moderate	none	none
Bactericidal power	excellent		good	good	good	weak
Virucidal power	good		poor	good	poor	poor
Residual sanitation	short		long	none	long	moderate
Contact time for microbe kill	short		long	very short	moderate	long
Hazardous material to handle	no		yes	no	no	yes
Hazardous by-products	Reliability	no	yes	no	yes	yes
Equipment reliability		good	good	fair to good	fair	good
Process control		well developed	well developed	minimal	minimal	well developed
Complexity of technology		moderate	simple to moderate	moderate	simple to moderate	simple to moderate
Impacts pool water pH		no	yes	no	yes	yes

Features

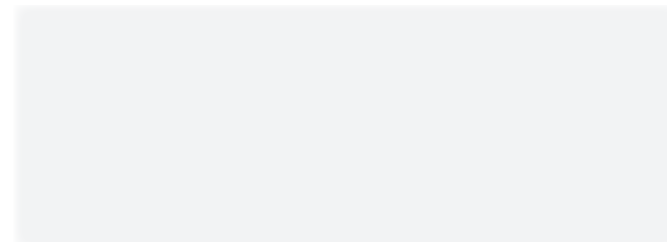
- Automated operation
- Continuous sanitation
- Easy installation
- Minimal maintenance
- Wall & pad mounted equipment available
- Indoor & outdoor applications
- Powder coated & stainless steel enclosures
- Variable ozone output, manual or automated
- Indicating lights

Benefits

- Clearer, cleaner water
- Complete sanitation
- Superior oxidation
- No residue or chemical by-products
- No measuring, monitoring or handling of chemicals
- pH neutral
- Neutralizes *Giardia* & *Cryptosporidium*



CONTACT YOUR CWT DEALER



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ClearWater Tech, LLC

ADVANCED POOL PURIFICATION FOR COMMERCIAL APPLICATIONS



Marina Bay Sands, Singapore

For the Ultimate Swimming Experience



The Ultimate Swimming Experience for Commercial Swimming Pools

Since 1986, ClearWater Tech has provided products that produce superior quality water for commercial swimming pools around the world. This allows thousands of customers every day to enjoy the "Ultimate Swimming Experience".

Contamination from chlorine resistant strains of pathogens is becoming more and more common in commercial recreational water. ClearWater Tech's commercial pool systems eliminate organic contaminants and bacteria from the pool water through a combination of oxidation and flocculation with the power of ozone. Ozone, combined with a residual ppm of chlorine creates a cleaner, clearer, and safer pool environment. The merger of ozone as the primary oxidizer and chlorine as the residual sanitizer is the most effective combination available for pools today.

Ozone enriched water not only sanitizes, but leaves no harmful residual or chemical by-products in pool water. ClearWater Tech's ozone systems are a natural partner for chlorinated pools. Ozone is also a natural partner for bromine treated pools.

Ozone is nature's strongest oxidizer and is generated on-site reducing your environmental footprint. It can easily be sized to meet any requirement, as seen in the chart below. It is 1.5 times more effective and hundreds of times faster acting than chlorine, and since ozone is an oxygen-based oxidizer; the only by-product during its sanitizing process is oxygen (O₂).

"The CDC recommends the use of ozone to help mitigate chlorine resistant pathogens in swimming pool water"

ClearWater Tech provides the most powerful oxidation systems commercially available. These systems are proven to enhance the overall quality, safety, and provide the "Ultimate Swimming Experience" for many years.



MARINA BAY SANDS HOTEL, SINGAPORE



GEORGIA TECH OLYMPIC POOL



AULANI DISNEY RESORT, OAHU, HI

Notable Installations

- Nike Swim Center
- Nasa Johnson Space Center Training pool
- Louisiana State University
- The Pentagon
- Hyatt Regency Resort & Spa, Maui
- Georgia Tech Olympic Pool
- Air Force Academy
- YMCA Facilities
- Marriott Hotels
- San Juan Olympic Training Facility
- Marina Bay Sands Hotel, Singapore
- Aulani Disney Resort, Maui
- San Juan, Puerto Rico Natatorium
- Ritz Plaza Hotel, Miami



170 g/h CD12000P



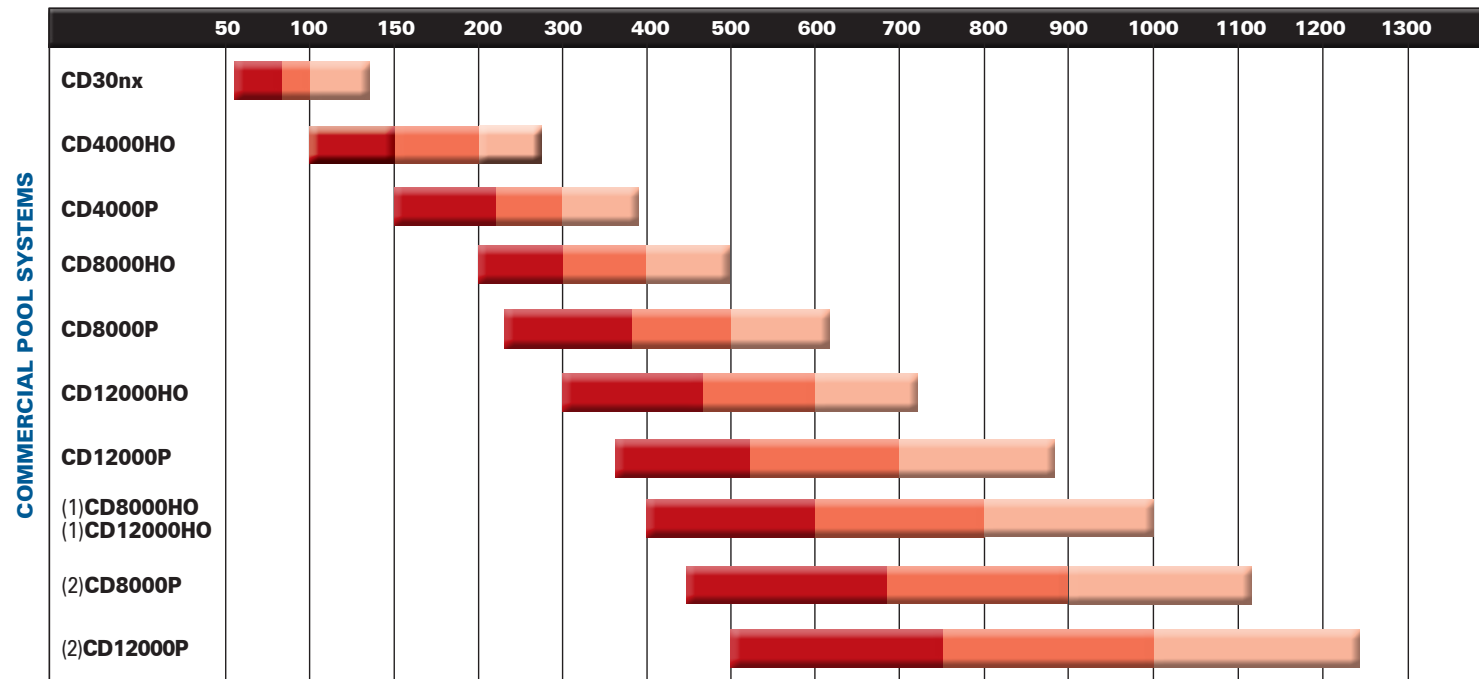
30 g/h CD30nx



112 g/h CD8000P

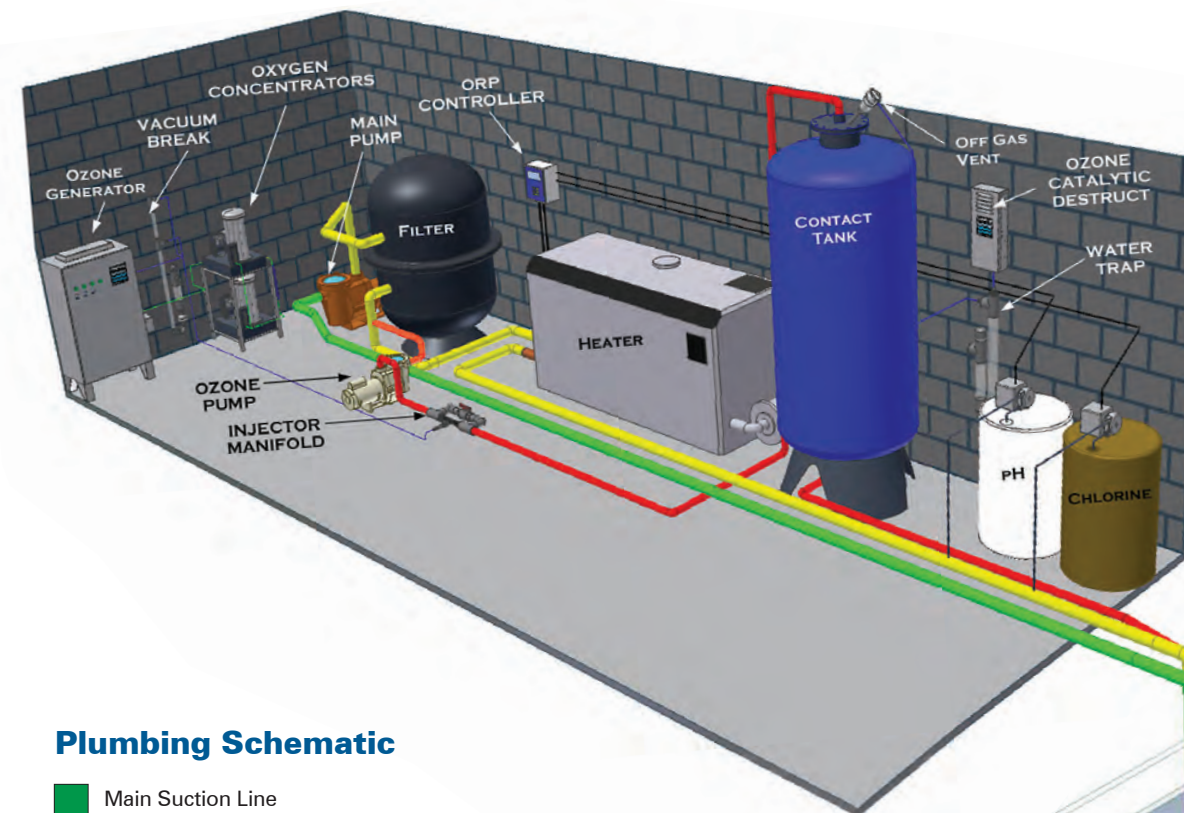
COMMERCIAL POOL SYSTEM SIZING CHART

POOL GALLONS IN THOUSANDS



NOTE: Certified by the Water Quality Association under the Gold Seal Program to NSF/ANSI Swimming Pool Standard 50. Recommendations above are based on 79°F water temperature and 1.0 - 1.50 ppm chlorine with 0.25 - 0.50 ppm ozone. Results will vary based on oxidation demand.

- HIGH OXIDATION DEMAND**
 - Heavy bather load
 - Minimal turn-over rate < 4.0/day
 - Water temperature > 82°F
- AVG. OXIDATION DEMAND**
 - Average bather load
 - Average turn-over rate = 4.0/day
 - Water temperature 79°F - 82°F
- LOW OXIDATION DEMAND**
 - Low bather load
 - High turn-over rate > 4.0/day
 - Water temperature 76°F - 79°F



Plumbing Schematic

- Main Suction Line
- Main Return Line
- Ozone Suction Line
- Ozone Return Line