



DEL:Ozone

POWERFUL OZONE GENERATOR



CMP POOL PRODUCTS

c-m-p.com/DEL

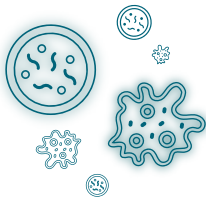


DEL:OZONE

YOU CAN SEE AND FEEL THE DIFFERENCE WITH “OZONE WATER”

Ozone can completely transform the pool—from how the water looks, to how the water feels, to keeping swimmers safe. It's a completely different experience when you add ozone.

SAFER WATER



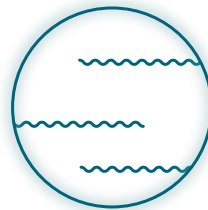
Ozone destroys viruses & bacteria like *Giardia*, *E.Coli* and *Cryptosporidium*.

FEWER CHEMICALS



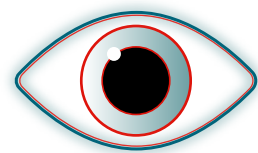
Powerful oxidation reduces chlorine required in the pool by 60-90%.

CRYSTAL CLEAR



Ozone acts as a micro-flocculent resulting in pure, polished water.

NO CHLORAMINES

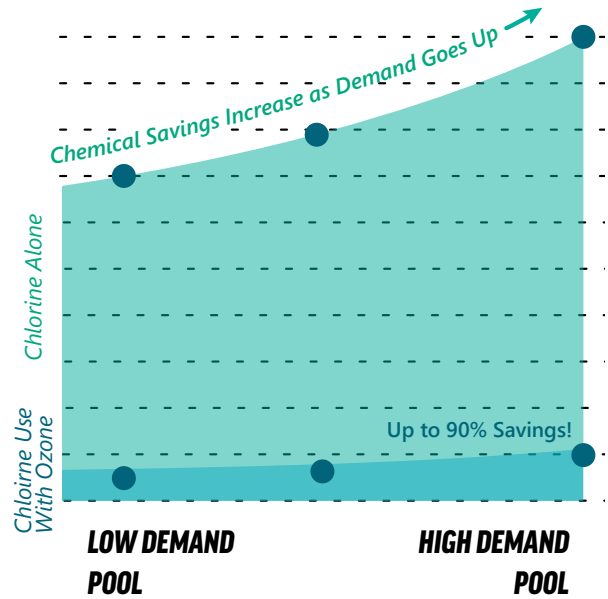


Chlorine smell, itching and irritation are prevented for a comfortable pool.

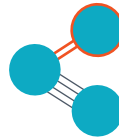
HOW DOES OZONE CREATE A BETTER POOL?

Ozone systems provide clean, clear and safe water for your pool, as well as a significant reduction in chlorine use. How does it do this?

- Destroys 99.9% of harmful contaminants
- Quickly oxidizes *Cryptosporidium*, *giardia* and other chlorine resistant microorganisms
- Dramatically reduces chemical demand and increases effectiveness of residual sanitizers
- Breaks down locked up chlorine (chloramines), making chlorine more effective and the water more comfortable.
- With ozone doing so much work, experience up to 90% savings in chlorine.*



Energy created in the patented APG cell splits molecular oxygen (O_2) into atomic oxygen (O_1)



The single oxygen atoms form a weak bond with free oxygen molecules to create ozone (O_3)



Once ozone contacts contaminants, the weak bond is broken, and the free oxygen atom destroys the foreign bodies & contaminants.

*Chemical use data extrapolated from studies of CT performance data and commercial performance response.

Ozone is much more powerful than chlorine and other sanitizers. In ozone systems, the ozone molecules react with dissolved, waterborne contaminants in a series of strong oxidation reactions.

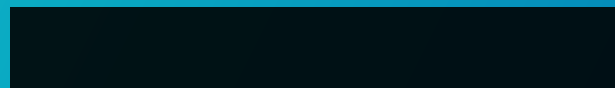
Working with a residual sanitizer, a DEL Ozone system creates a safer, cleaner pool.

HYDROXYL RADICAL (AOP)



2.80eV

OZONE



2.08eV

CHLORINE (HOCL)



0.95eV

OXIDATION POTENTIAL: ELECTRON VOLTS (eV)

ADVANCED OZONE GENERATION

All DEL systems are powered by proprietary APG ozone cells. DEL Advanced Plasma Gap (APG) ozone cells are the most effective and efficient way to produce ozone for residential swimming pools.



RELIABILITY

The long-lasting APG Ozone cell outlasts other Corona Discharge (CD) cell designs. Cells last up to 5 years without significant reduction in output.

PERFORMANCE

APG generates maximum ozone for cleaner water. UV-type ozone generators from other manufacturers produce less ozone and decrease in output every single hour they are powered on.

TECHNOLOGY

Advanced Plasma Gap is DEL technology unavailable on other ozone generation system. APG is unmatched in residential ozone production.

NOW EVEN BETTER WITH APG 2

DEL led the way with the best performing residential CD ozone cells using Advanced Plasma Gap® (APG). We are continually improving our ozone cell technology, leading the industry in ozone performance.

×2 OUTPUT



The ozone output per cell has been doubled, so half as many cells are required per unit.



**BETTER IN HEAT
& HUMIDITY**

55% increased output in high heat, 74% more output in high humidity (vs original APG).

**TOUGHER &
STRONGER**



All-in-one, solid state construction - more durable and easier to service.

SPECIFICATIONS

	DEL OZONE 25	DEL OZONE 50	DEL OZONE 100
Application	Up to 25,000 Gallons	Up to 50,000 Gallons	Up to 100,000 Gallons
Ozone Output (Nominal)	0.25 g/hr	0.5 g/hr	1.0 g/hr
APG Cell Quantity (Updated)	1	2	3
Voltage	110/240 VAC Universal		
Power	0.10 Amps, 50/60Hz	0.24 Amps, 50/60Hz	0.31 Amps, 50/60Hz
Mounting	Wall or Pot Mount		
Dimensions (L x W x H)	7.8" x 3.2" x 14.1"		7.8" x 3.2" x 21.3"
Weight	8.2 lb	9.0 lb	13.2 lb
Plumbing Options	Injector Manifold, MDV		
Certifications	UL, cUL		
Ozone Cell Life	+5 Years Average		
Warranty	1 Year		

SIMPLE INSTALLATION

All DEL systems are designed for easy installation on both new and existing residential pool applications.

- The ozone generator is easily wall mounted and connects to the pool timer.
- An Injector Manifold assembly is installed in the return line following the filter and heater. The Injector Manifold is pre-assembled and ready to plumb, with a regulated check valve included so no manual valve adjustment is required.
- To eliminate the potential for bubbles in the pool, an MDV Kit can be used to ensure that all ozone is removed prior to the return line re-entering the pool.



ADD AN OPTIONAL MDV FOR ZERO OFF-GAS

When used with the DEL Ozone lineup, the MDV prevents ozone bubbles from returning to the pool. It prevents bubbles from gathering under the cover or inside plumbing. In each MDV, a GAC carbon destruct cartridge destroys excess ozone as it is removed.

WHEN TO USE THE MDV

- To protect a pool cover from possible damage
- With indoor or enclosed pools
- For vinyl liners that experience fading around ozone outlet
- When an "oversized" ozone unit is installed



DEL:Ozone25 DEL:Ozone50 DEL:Ozone100

For pools up to
25,000 gallons

For pools up to
50,000 gallons

For pools up to
100,000 gallons

ORDERING GUIDE

CMP P/N	DESCRIPTION	APPLICATION
EC-10	DEL OZONE 25	FOR POOLS UP TO 25,000 GALLONS
EC-20	DEL OZONE 50	FOR POOLS UP TO 50,000 GALLONS
EC-40	DEL OZONE 100	FOR POOLS UP TO 100,000 GALLONS
MDV-10	MDV SINGLE SPEED KIT	FOR SINGLE SPEED PUMP SYSTEMS
MDV-10-04	MDV VARIABLE SPEED KIT	FOR VARIABLE SPEED PUMP SYSTEMS
9-0210-11	PARTS BAG: 2" UNIVERSAL INJECTOR MANIFOLD	—
9-0210E	PARTS BAG: #978 INJECTOR, NO BYPASS	—
9-0150E	PARTS BAG: NO INJECTOR	—

THE COMPLETE MODERN POOL®

Technology has come a long way, and so have pool sanitizers. By using the best available technologies, every pool can be crystal clear and absolutely safe. Combine powerful ozone sanitizing with a residual chlorine sanitizer for a total system.

CMP P/N	SYSTEM TYPE	DESCRIPTION
52000-220-000	CHLORINE GENERATOR	POWERCLEAN SALT ULTRA 320 - 20K GALLON SYSTEM - NSF CERTIFIED
52000-240-000	CHLORINE GENERATOR	POWERCLEAN SALT ULTRA 540 - 40K GALLON SYSTEM - NSF CERTIFIED
25280-150-000	IN-LINE TAB FEEDER	POWERCLEAN TAB ULTRA VS IN-LINE, CLEAR GLASS LID
25280-300-000	IN-LINE TAB FEEDER	POWERCLEAN TAB ULTRA OFF-LINE, CLEAR GLASS LID, 1.5" - 2"
25280-300-300	OFF-LINE TAB FEEDER	POWERCLEAN TAB ULTRA OFF-LINE, CLEAR GLASS LID, 2.5" - 3"