



DEL:OZONE PRO

G-CLASS

POWERFUL ALL-IN-ONE OZONE SYSTEMS

CMP COMMERCIAL
PRODUCTS

All operate under vacuum for safety and include integrated DEL Ozone Safety Management Systems. Genesis systems have configurable feed-gas options (integrated oxygen concentrator system is standard), multiple safety features, self-diagnostic switching and robust construction. Variable ozone output control is optional on all models.

STANDARD G-CLASS FEATURES

- Integrated DEL Ozone Safety Management System
- Integrated Oxygen Flow Meter
- Complete Isolation During Shut-Down
- Automatic Feed-Gas Control Maintains Operational Set Points
- Powder-coated Steel Enclosures Designed to NEMA-12
- Integrated Fault Protection for
 - Door Open
 - Feed Gas Pressure Failure
 - Vacuum Loss
 - Overheating
 - Water Backflow
 - Current Overdraw
 - Over-pressurizing of Oxygen Concentrator

G-CLASS - CD 2/5/7

These first level G-Class systems generate up to 7 grams of ozone per hour at 2.5-3.0% by weight.

- 2-7 g/hr Ozone Output
- 16"W × 24.5"H × 11.5"D
- NSF/UL

G-CLASS - CD 15/25/45

Higher powered G-Class systems generate up to 45 grams of ozone per hour at 3-4% by weight.

- 15-45 g/hr Ozone Output
- 24.4"W × 39"H × 11.8"D
- NSF/UL

G-CLASS PLUS - CD 65/130

Available in 65 or 130 grams of ozone per hour at 5-6% by weight using low-maintenance 1.6 kHz cold cathode gas-filled corona discharge ozone cells. Includes integrated DEL Ozone Safety Management System and PLC to monitor ozone generator, oxygen levels, temperature and other user-controlled variables. Also features digitally controlled variable output.

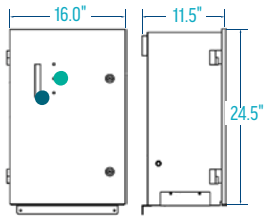
- 65-130 g/hr Ozone Output
- PLC Monitor
- Variable Output Controls
- 36"W × 52"H × 20"D
- NSF/UL

AVAILABLE DEL SYSTEM COMPONENTS

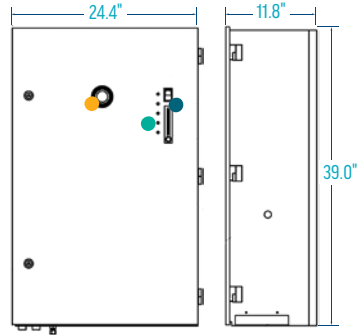
Ambient ozone monitor / controllers
Dissolved ozone monitor / controllers
ORP monitor / controllers
Mixing / degas towers
Reaction / degas tanks
De-gas valves



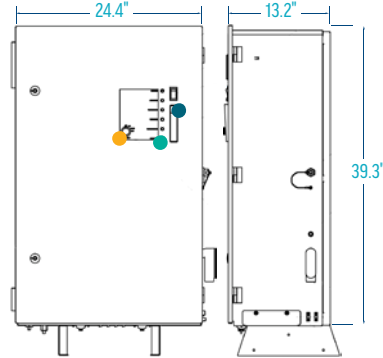
SYSTEM DIAGRAMS



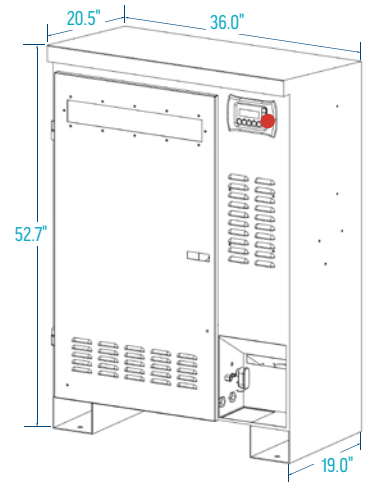
G-CLASS - CD 2/5/7



G-CLASS - CD 15/25



G-CLASS - CD 45



G-CLASS PLUS



INDICATOR LIGHTS



FLOW METER



VARIABLE OUTPUT CONTROL



OPERATOR INTERFACE CONTROLLER

OZONE CREATES CLEAN, CLEAR, SAFE WATER SOLUTIONS

Ozone destroys all organic molecules, renders dissolved metals insoluble and oxidizes inorganic contaminants. Ozone is an EPA approved antimicrobial and listed as safe for discharge into surface and groundwater. It is FDA approved as an antimicrobial food additive, and USDA approved as an antimicrobial organic food additive.

Leaving no measurable residual (no rinse), DEL Ozone systems provide a non-corrosive solution for continuous or on-demand sanitation. DEL Ozone generators are built to UL standards, are NSF validated for antimicrobial efficacy and safety and are designed as totally integrated systems providing a synergistic approach to water sanitation while giving facility operators a simple, automated, low maintenance system.

OZONE VS OTHER SANITIZER OPTIONS

OZONE VS. UV-C

Ozone oxidizes contaminants

Ozone destroys biofilm

Ozone Acts as a microflocculant, improving filter performance

UV leaves behind bodies that must be filtered out of the water

Ozone is effective regardless of water clarity or turbidity

OZONE VS. CHLORINE

Ozone is truly effective as an oxidizer

Ozone rapidly destroys Cryptosporidium

Ozone destroys biofilm

Ozone Acts as a microflocculant, improving filter performance

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

UV-C
DOES NOT OXIDIZE



CHLORINE
HOURS

OZONE
MINUTES



SYSTEM SPECIFICATIONS

	CD-2 CD-2G	CD-5 CD-5G	CD-7 CD-7GV	CD-15 CD-15GV	CD-25 CD-25GV	CD-45 CD-45GV	CD-65 HECD-65	CD-130 HECD-130
Ozone Output g/hr	2 g/hr	5 g/hr	7 g/hr	15 g/hr	25 g/hr	45 g/hr	65 g/hr	130 g/hr
Ozone Concentration (by weight)	2.0%	2.0%	2.5 - 3.0%	2.5-3.0%	3.5 - 4.0%	3.5-4.0%	5.0-6.0%	5.0-6.0%
Voltage Requirement	115 V - 60 Hz OR 230 V - 50 Hz						240 V - 50/60 Hz	
Required Current at 115 V	5.5 A	5.5 A	5.5 A	10.0 A	10.0 A	17.0 A	N / A	N / A
Required Current at 230 V	3.0 A	3.0 A	3.5 A	3.5 A	5.0 A	8.0 A	15.0 A	23.0 A
Ambient Operating Temperature	40 - 100° F (5 - 38° C)	40 - 100° F (5 - 38° C)	40 - 100° F (5 - 38° C)	40 - 100° F (5 - 38° C)	40 - 100° F (5 - 38° C)	40 - 100° F (5 - 38° C)	40 - 100° F (5 - 38° C)	40 - 100° F (5 - 38° C)
Oxygen Feed Flow	2.5 scfh	6 scfh	7 scfh	13 scfh	17 scfh	30 scfh	30 scfh	60 scfh
Cooling Water	N/A- Air Cooled	N/A- Air Cooled	N/A- Air Cooled	0.10 gpm (.4 lpm)	0.10 gpm (.4 lpm)	0.20 gpm (.8 lpm)	1.0 gpm (4.0 lpm)	1.5 gpm (6.0 lpm)
Inlet Temperature* (70° F (21° C) max recommended)	N / A	N / A	N / A	50 - 90° F (10 - 32° C)	50 - 90° F (10 - 32° C)	50 - 90° F (10 - 32° C)	50 - 90° F (10 - 32° C)	50 - 90° F (10 - 32° C)
Inlet Pressure*	N / A	N / A	N / A	15 - 40 psi (103 - 275 kPa)	15 - 40 psi (103 - 275 kPa)	15 - 40 psi (103 - 275 kPa)	15 - 40 psi (103 - 275 kPa)	15 - 40 psi (103 - 275 kPa)
System Control	N / A	N / A	N / A	N / A	N / A	N / A	PLC	PLC
Enclosure Material / Finish	Steel, 16 gauge / Grey (powder coat)						Steel, 14 gauge / White (powder coat)	

*Cooling Water Specs

CLEAN, CLEAR & SAFE: DESIGNING A COMPLETE MODERN POOL™

DESTROY WHAT CHLORINE MISSES IN A FRACTION OF THE TIME

Advanced Sanitizers like Ozone are excellent for destroying or inactivating dangerous contaminants that can be present in any pool. They are effective on microorganisms, viruses, bacteria and other pathogens. Ozone also breaks down biofilm inside filters and plumbing that chlorine cannot touch. And unlike chlorine, Ozone is effective in a wide pH range.

IMPROVE CHLORINE PERFORMANCE

Chlorine has been the most popular pool sanitizer for over 100 years because it is an excellent sanitizer. However, it's actually a very poor oxidizer. Ozone continuously "shocks" the water, reducing the organic load and freeing up chlorine to focus on sanitizing the water.

Chlorine is also hindered by chloramine build-up in the water. Ozone destroys chloramines, freeing up available chlorine. Chloramine removal also eliminates bad pool smells and increases bather comfort.

ENHANCED SYSTEM FILTRATION

Ozone acts as a micro-flocculent in the water, trapping small particles that would otherwise bypass the filter. This process also increases filter media efficiency by breaking up biofilm that gather inside the equipment.