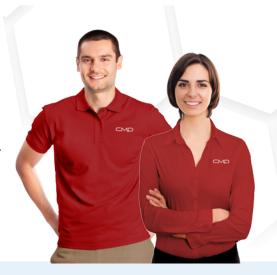


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# **TABLE OF CONTENTS**

Welcome 4
CMP Commercial Online 5

# **AOP SYSTEMS 8**

#### **OZONE SYSTEMS 12**

G-Class 12 P-Class 16 Accessories 22

#### **UV-C SYSTEMS 20**

### WHITE GOODS 29

Square Grates & Frames 30 Ring Drain 32 Channel Drains 34 Ball Valves 36 Diverter Valves 37 Check Valves 38

Index 46 Terms & Conditions 48 Content & Trademarks 49 Warranty 50



#### WELCOME TO THE COMMERCIAL PRODUCTS CATALOG

# CMP 2021 COMMERCIAL PRODUCTS CATALOG

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The CMP Commercial
Products Catalog is a team
project that included CMP
Marketing, Engineering,
Sales and Customer Service.
Thank you to the entire
team and to each individual
that has contributed to
the 2021 CMP Commercial
Products Catalog.

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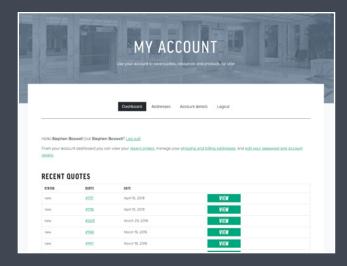
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# DEL AOP PRO DEL A



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# SANITIZER SYSTEMS

DEL AOP® PRO 8

DEL OZONE® PRO 12

DEL UV®-C PRO 20

ACCESSORIES 22



# **DEL**<sup>®</sup>AOPPRO

#### OZONE + UV-C IN ONE SYSTEM

Introducing a total game-changer in commercial water sanitizers. The Advanced Oxidation Process (AOP) combines Ozone and UV-C to create a powerful sanitizer that is more than the sum of its parts. With the use of AOP microorganisms are destroyed, chloramines are broken down and chlorine dependence is significantly reduced. Non-organic contaminants are also oxidized and water clarity is fully optimized.

#### **AOP TECHNOLOGY**

- Destroys 99.9% Of Harmful Contaminants: 3-Log Water Disinfection
- Oxidizes Crypto, Giardia & Other Chlorine Resistant Microorganisms
- Reduces Chemical Demand & Increases Effectiveness Of Chlorine
- Destroys Chloramines, Eliminating Chemical Odors and Irritation
- Improves Water Clarity & Biofilm Control

There are two distinct AOP system options from DEL to properly match your specific sanitizer requirements. Systems can be sized by required flow rates, with options including full PLC control.

- Certified to NSF as a Supplemental Sanitizer
- Simple, Economical Annual Service Requirements
- Typical System Cost 50% Less than a Properly Sized Ozone System

#### **AOP PRO 50/100**

- Self-contained "system in a box"
- Flow rates up to 100gpm
- Ambient air oxygen feed
- Optional PLC control

#### AOP PRO 200/350/500

- High-flow systems up to 500gpm
- PLC Control Screen fully integrated
- Integrated O2 Concentrator



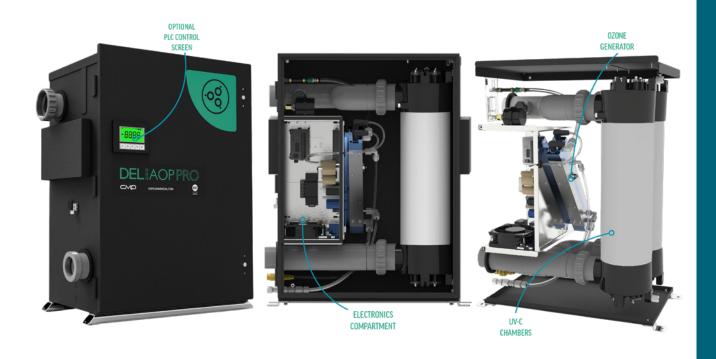




CMP P/N	DESCRIPTION
AOP-PRO-50-01	DEL AOP PRO, 50 GPM
AOP-PRO-100-01	DEL AOP PRO, 100 GPM
AOP-PRO-200D-01	DEL AOP PRO D, 200 GPM
AOP-PRO-350D-01	DEL AOP PRO, 350 GPM
AOP-PRO-500D-01	DEL AOP PRO D, 500 GPM



# DEL AOP® PRO DETAILS

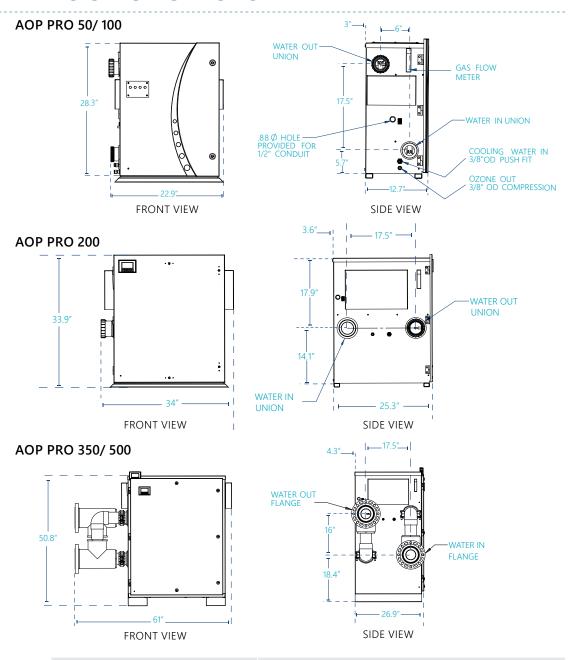




Booster pump not included with booster pump plumbing. Must be supplied separately.

AOP units are designed for pools that are in compliance with the U.S. Model Aquatic Health Code (MAHC). Installed flow rates must not exceed listed flow rates to maintain NSF product listing as well as ensuring proper microbial performance.

# DEL AOP® PRO SPECIFICATIONS



	AOP PRO	O 50/100	AOP PRO 200/350/500			
	50-01	100-01	200D-01	350D-01	500D-01	
MAX FLOW RATE	50 GPM	100 GPM	200 GPM	350 GPM	500 GPM	
PLC CONTROL	NO	NO	YES	YES	YES	
CURRENT	2.7 A	4.0 A	5.5 A	7.8 A	8.8 A	
OZONE OUTPUT	1.1 GR/HR	2.0 GR/HR	4.5 GR/HR	7.9 GR/HR	11.4 GR/HR	
FEED GAS	AMBIENT AIR	AMBIENT AIR	O2 CONCENTRATOR	O2 CONCENTRATOR	O2 CONCENTRATOR	
POWER	115 VAC	115 VAC	230 VAC	230 VAC	230 VAC	
INLET/OUTLET	2 IN	2 IN	3 IN	4 IN	6 IN	
UV-C CHAMBER QTY (2 BULBS / CHAMBER)	1	2	4	8	10	
OZONE CELL QTY	1	2	1	1	2	

# AOP: THE MOST POWERFUL ADVANCED SANITIZER

#### THE SCIENCE OF AOP

When germicidal UV light (UV-C) and ozone react the result is the production of hydroxyl radicals. This reaction is known as Advanced Oxidation Process, or AOP.

Hydroxyl radicals (•OH) are the most powerful oxidation agents available, quickly destroying bacteria, viruses, pathogens and other contaminants that occur in water.



#### THE POWER OF AOP

AOP is dramatically more powerful than Chlorine and other sanitizers, and even more powerful than Ozone alone. When Ozone and UV-C react, the result is far greater than the sum of it's parts.

	OXIDATION POTENTIAL: ELECTRON VOLTS (eV)
HYDROXYL RADICAL (AOP)	2.80
OZONE	2.08
HYPOCHLOROUS ACID (CL)	1.49
UV-C	0.0

In AOP systems, the highly unstable hydroxyl radicals react with dissolved waterborne contaminants in a series of strong oxidation reactions. This process happens *almost instantaneously*. AOP is millions of times more reactive than Ozone.

# CHLORINE OZONE AOP HOURS MINUTES MILLISECONDS

#### THE ADVANTAGES OF AOP

AOP Systems outperform alternatives at a lower cost, and improve performance of other system equipment.



# C (ÎF)



#### DEL OZONE® PRO G-CLASS SANITIZERS

# **DEL**SOZONE PRO

#### 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
- Variable Output Controls
- 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
- Variable Output Controls
- 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

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



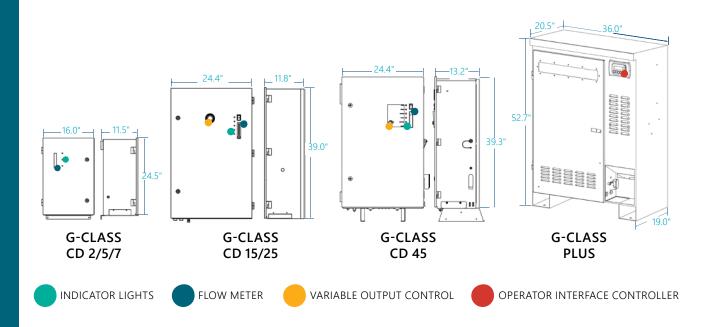


# DEL OZONE® PRO G-CLASS SANITIZERS

CMP P/N	OZONE OUTPUT	OUTPUT CONTROL	ENCLOSURE*	ON-BOARD OXYGEN SUPPLY	EXPORT
CD-2G	2 GR/HR	NONE	LIGHT GRAY	•	
CD-5G	5 GR/HR	NONE	LIGHT GRAY	•	
CD-7G	7 GR/HR	NONE	LIGHT GRAY	•	
CD-7GV	7 GR/HR	VARIABLE	LIGHT GRAY	•	
CD-7GV-NAP	7 GR/HR	VARIABLE	LIGHT GRAY		
CD-7GV-50	7 GR/HR	NONE	LIGHT GRAY	•	•
CD-15G	15 GR/HR	NONE	LIGHT GRAY	•	
CD-15GV	15 GR/HR	VARIABLE	LIGHT GRAY	•	
CD-15GV-NAP	15 GR/HR	VARIABLE	LIGHT GRAY		
CD-15GV-50	15 GR/HR	NONE	LIGHT GRAY	•	•
CD-25G	25 GR/HR	NONE	LIGHT GRAY	GHT GRAY •	
CD-25GV	25 GR/HR	VARIABLE	LIGHT GRAY	•	
CD-25GV-NAP	25 GR/HR	VARIABLE	LIGHT GRAY		
CD-25GV-50	25 GR/HR	VARIABLE	LIGHT GRAY	•	•
CD-45GV	45 GR/HR	VARIABLE	LIGHT GRAY	•	
CD-45GV-NAP	45 GR/HR	VARIABLE	LIGHT GRAY		
CD-45GV-50	45 GR/HR	NONE	LIGHT GRAY	•	•
HECD-65	65 GR/HR	NONE	WHITE	•	
HECD-65-50	65 GR/HR	NONE	WHITE		•
HECD-130	130 GR/HR	NONE	WHITE	/HITE	
HECD-130-03	130 GR/HR	NONE	WHITE		•

<sup>\*</sup>Light Gray & White Enclosures are Powder-Coated Steel

# DEL OZONE® PRO INSTALLATION & SPECIFICATIONS



	G-CLASS 2/ 5/ 7		G-CLAS	G-CLASS 15/ 25		HECD 6	55/ 130	
	CD-2G	CD-5G	CD-7G CD-7GV	CD-15G CD-15GV	CD-25G CD-25GV	CD-45GV	HECD-65	HECD-130
OZONE OUTPUT	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 - 5	60/60 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)
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)				
INLET PRESSURE*	N/A	N/A	N/A	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 / I	LIGHT GRAY (PO	WDER COAT)		STEEL, 14 GAI (POWDE	

<sup>\*</sup>Cooling Water Specs

Booster Pump NOT INCLUDED in Package - MUST BE SUPPLIED by OTHERS.







# DEL OZONE® PRO G-CLASS CPS SKIDS

Fitting seamlessly into existing plumbing with a minimum space requirement, the DEL Ozone CPS-8015 and 8025 skid-mounted fully assembled recirculating ozone systems produce ozone at 15 and 25 grams/hour, respectively, at 2.5-4% by weight.

All 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 standard on both models.

#### **PRODUCT FEATURES**

- 15-25 g/hr Ozone Output
- Self-diagnostic Switching
- Variable Output Controls
- ORP Controller/ Monitor
- 80 gal. Fiberglass Tank
- De-Gas Valve & Destruct
- Automatic Feed-Gas Flow Control
- Water Pump
- NSF/ UL



#### ORDERING GUIDE & SYSTEM SPECIFICATIONS

	G-CLASS, HECD
	CPS-8015-01
OZONE OUTPUT	15 G/HR
SIZE	32in W x 83in H x 50in D
FLOW RATE	35 GPM
HERTZ	60 Hz
OFF-GAS MANAGEMENT SYSTEM	STANDARD
OZONE OUTPUT CONTROL	VARIABLE OUTPUT
TANK SIZE	80 GALLON TANK





# DEL OZONE® PRO P-CLASS SYSTEMS

The P-100/200 systems have many standard features such as multiple safety interlocks, backflow prevention device, automated control (including proportionally controlled ozone output), complete isolation during shutdown, oxygen monitor with low level protection and integrated Monitor/ Controller(s).

Utility features include Human Machine Interface (HMI) fully automated 6" touch screen control panel, control of system functionality and data logging.

#### STANDARD FEATURES

- Automated Proportionally Controlled Ozone Output
- Automated Oxygen Feed-Gas Monitoring
- ORP Monitor/ Controller (optional)
- Plug & Play Oxygen System
- Wall-Mount Ready
- Multi-Language Support
- Auto feed-gas flow control to maintain vacuum
- Ozone stand-by indicator & system run indicator, system stop, flow switch interlock (process water) & fault reset
- NSF/ANSI Standard 50 Certified for secondary disinfection

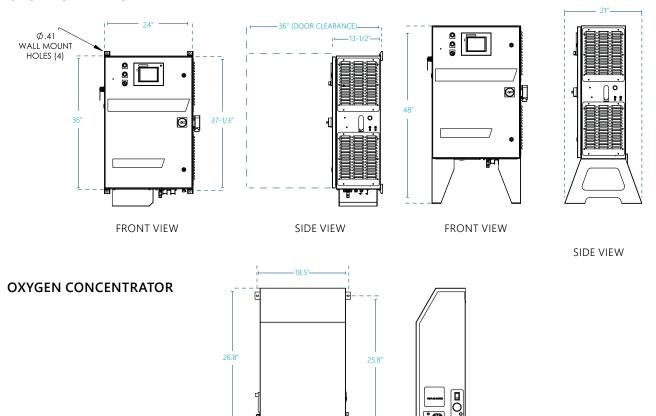


REF	PART NUMBER	DESCRIPTION
А	P-100-01	OZONE GENERATOR, 45-117 G/HR, NO EWON, BLACK POWDER COAT
А	P-101-01	OZONE GENERATOR, 45-117 G/HR, BLACK POWDER COAT, NO OXYGEN
A	P-102-01	OZONE GENERATOR, 45-117 G/HR, NO EWON, 120V, 60 Hz, BLACK POWDER COAT
А	P-200-01	OZONE GENERATOR, 54-158 G/HR, NO EWON, BLACK POWDER COAT
А	P-201-01	OZONE GENERATOR, 54-158 G/HR, BLACK POWDER COAT, NO OXYGEN
А	P-202-01	OZONE GENERATOR, 54-158 G/HR, 120V, 60 Hz, BLACK POWDER COAT
В	9-1524-01	OXYGEN CONCENTRATOR, WALL MOUNT, 120V, 60 Hz, BLACK POWDER COAT
В	9-1524-03	OXYGEN CONCENTRATOR, WALL MOUNT, 220V, 50 Hz, BLACK POWDER COAT



# DEL OZONE® PRO P-CLASS TECHNICAL RESOURCES

#### **OZONE GENERATOR**



#### SYSTEM SPECIFICATIONS

P-CLASS OZONE SYSTEMS						
	P-100-01	P-200-01	P-101-01	P-201-01	P-102-01	P-202-01
OZONE OUTPUT	40-100 G/HR	100-150 G/HR	45-117 G/HR	54-158 G/HR	40-100 G/HR	100-150 G/HR
EWON REMOTE CONNECTION	N	0	Υ	ES	Ν	IO
VOLTAGE REQUIREMENT		230 V -	50/60 Hz		120 V	- 60 Hz
SIZE			24in W x 36	iin H x 13in D		
ORP MONITOR CONTROL			OPTI	ONAL		
DATA LOGGING	REMOVABLE USB MEMORY					
INTERFACE	HMI TOUCH SCREEN					
AMBIENT OPERATING TEMP	40-105° F					
CERTIFICATION	UL, NSF/ANSI LISTED					

FRONT VIEW

SIDE VIEW

OXYGEN CONCENTRATOR		
	9-1524-01	9-1524-03
EXPORT OPTION	DOMESTIC	EXPORT
VOLTAGE REQUIREMENT	120 V - 60 Hz	220 V - 50 Hz
OXYGEN FEED FLOW	15 SC	FH

#### **ABOUT OZONE**

#### THE ADVANTAGES OF OZONE

Ozone systems provide clean, clear and safe water for your pool, as well as a significant reduction in chlorine use.

- Destroys 99.9% of Harmful Contaminants
- Quickly Oxidizes Crypto, Giardia and Other Chlorine Resistant Microorganisms
- Dramatically Reduces Chemical Demand and Increases Effectiveness of Residual Sanitizers
- Eliminates Chemical Odors, Irritation and Damage to Pool Systems
- Operate Chemical

Unlike the Oxygen we breathe  $(O_2)$ , Ozone is a powerful oxidant made of three oxygen atoms  $(O_3)$ . The third oxygen atom in Ozone has a weak bond, which breaks off and destroys foreign bodies in the water. Ozone can safely kill pathogens, microorganisms and both organic and inorganic contaminants through oxidation.

#### THE POWER OF OZONE

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.

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, DEL Ozone systems provide a non-corrosive solution for continuous or ondemand 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 contaminates

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 CHLORINE OZONE DOES NOT OXIDIZE HOURS MINUTES



### DEL UV® - C PRO SANITIZERS



# **DEL**:UV·CPRO

Del UV-C Pro Systems use UV-C light to provide superior disinfection and chloramine removal of pool and spa water. The system utilizes low pressure (254 nm) bulbs in a modular design to provide a completely integrated system. Controls and UV-C reactors are all in one cabinet. DEL UV-C Pro Systems have a small footprint. The system is easy to install, cost effective to operate and easy to maintain.

DEL UV-C Pro have a completely unique form factor. The system has a modular component design that does not require sophisticated service capability. This ensures system reliability due to component sizing redundancy.

#### **UV-C TECHNOLOGY**

The only active disinfectant is rays of light. No additional chemicals, gases or oxidants are added to the water. Despite this additive-free approach, UV-C is a powerful sanitizer with many benefits:

- Prevents micro-organism growth
- Breaks down chloramines
- Reduces dependence on chemicals
- Optimizes water clarity

#### **LOW PRESSURE**

- UV-C Pro utilizes low pressure UV-C bulbs
- Bulbs can cycle on and off quickly with zero downtime
- Perfect for environments that require total, constant protection

#### **ADVANCED DESIGN**

- Self-Contained "system in a box"
- High-Flow systems up to 500gpm
- Optional PLC control







CMP P/N	DESCRIPTION
UV-C-PRO-50-01	DEL UV-C PRO 50, 50 GPM
UV-C-PRO-100-01	DEL UV-C PRO 100, 100 GPM
UV-C-PRO-200D-01	DEL UV-C PRO 200, 200 GPM
UV-C-PRO-350D-01	DEL UV-C PRO 350, 350 GPM
UV-C-PRO-500D-01	DEL UV-C PRO 500, 500 GPM



#### **ABOUT UV-C**

#### THE ADVANTAGES OF UV-C

With the use of UV-C microorganisms are destroyed, chloramines are broken down, chlorine dependence is significantly reduced, and water clarity is optimized to produce crystal clear results.

- Destroys harmful contaminants
- Inactivates Cryptosporidium, Giardia and other chlorine resistant microorganisms
- Dramatically reduces chemical demand and increases effectiveness of residual sanitizers
- Eliminates chemical odors, irritation and damage to pool systems

#### THE SCIENCE OF UV-C

The UV-C lamp emits safe, high intensity light rays tuned to germicidal 254 nanometers. UV-C breaks apart the DNA and RNA of microorganisms, harmful bacteria, viruses, cysts and protozoa. This inactivates the contaminants to leave water safe and sanitized. UV-C does not create ozone. The highly concentrated electromagnetic energy also destroys organic matter—like urine and sweat—to eliminate the formation of harmful chlorine by-products.



#### SYSTEM SPECIFICATIONS

	UV-C PRO	O 50/ 100	UV-C PRO 200/ 350/ 500		
	UV-C-PRO- 50-01	UV-CPRO- 100-01	UV-C-PRO- 200D-01	UV-C-PRO- 350D-01	UV-C-PRO- 500D-01
MAX FLOW RATE	50 GPM	100 GPM	200 GPM	350 GPM	500 GPM
CURRENT (AMP)	1.1 A	1.9 A	2.0 A	3.4 A	4.2 A
PLC CONTROL	NO	NO	YES	YES	YES
POWER (VAC)	115 VAC	115 VAC	230 VAC	230 VAC	230 VAC
INLET/OUTLET	2 IN	2 IN	3 IN	4 IN	6 IN
UV-C CHAMBER QTY (2 BULBS PER CHAMBER)	1	2	4	8	10

# **INJECTOR ASSEMBLY**



The IU and IA Injector Assemblies are highly durable and efficient adjustable injectors that are pre-plumbed manifolds for ease of installation and ensure optimum ozone mass-transfer into water up to 95%.

#### **STANDARD FEATURES**

- Mazzei® Venturi Injector
- Stainless Steel Check Valve
- Fully Adjustable
- Rugged Construction
- NSF Listed



CMP P/N	SIZE (in)	COMPRESSION FITTING, 3/8"	TRU-UNION BALL VALVE BYPASS	BUTTERFLY VALVE BYPASS	BALL VALVE	STAINLESS STEEL CHECK VALVE	System compatibility
IU-1583-99	1.5	•			•	•	G-CLASS 15/25/45
IU-1584-99	1.5	•			•	•	G-CLASS 15/25/45, HECD, P-CLASS
IU-306	2	•	•		•	•	G-CLASS 2/5/7
IU-316	2	•	•		•	•	G-CLASS 2/5/7
IU-2081-99	2	•			•	•	G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
IA-978-4	4		•	•		•	G-CLASS 2/5/7
IA-1584-4	4		•	•	•	•	G-CLASS 15/25/45, HECD, P-CLASS
IA-2081-4	4		•	•	•	•	G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
IA-978-6	6		•	•		•	G-CLASS 2/5/7
IA-1584-6	6		•	•	•	•	G-CLASS 15/25/45, HECD, P-CLASS
IA-2081-6	6	•	•	•	•	•	G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
9-0552	N/A			•		•	G-CLASS 15/25/45, HECD, P-CLASS
9-1045-01	N/A						G-CLASS 15/25/45, HECD, P-CLASS (USED IN MS-200 KITS)





# **CONTACT TANKS**

Ozone resistant Polyethylene (PE) lined Fiberglass Reinforced Plastic (FRP) retention tank that provides contact time and proper degas of undissolved O2 and O3. Internal baffles (on 200 gallons and larger) for support and efficient fluid flow direction and degassing.

#### STANDARD FEATURES

- 40 1200 Gallon Options
- Fiberglass Reinforced Plastic
- NSF Listed



CMP P/N	DESCRIPTION	TANK SIZE (GAL)	INTERNAL BAFFLE	PE LINER	WITH 1.25in BOTTOM CONNECTIONS	System compatibility
9-1036-01	TANK, 16 DIA x 56 H	40		•	•	G-CLASS 2/5/7/15/25
7-CT-40	TANK, 16 DIA x 56 H	40		•	•	G-CLASS 2/5/7/15/25
9-1036-02	TANK, 24 DIA x 67 H	80		•	•	G-CLASS 2/5/7/15/25
7-CT-80	TANK, 24 DIA x 67 H	80		•	•	G-CLASS 2/5/7/15/25
9-1036-03	TANK, 24 DIA x 73 H	120		•	•	G-CLASS 2/5/7/15/25
7-CT-120	TANK, 24 DIA x 73 H	120		•	•	G-CLASS 2/5/7/15/25
7-CT-0200	TANK, 36 DIA x 69 H	200	•			G-CLASS 15/25/45, HECD, P-CLASS
7-CT-0200-01	TANK, 42 DIA x 57 H	200	•			G-CLASS 15/25/45, HECD, P-CLASS
7-CT-0205	TANK, 36 DIA x 83 H	205				G-CLASS 15/25/45, HECD, P-CLASS
7-CT-0400	TANK, 36 DIA x 117 H	400	•			G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
7-CT-0400-01	TANK, 47 DIA x 74 H	400	•			G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
7-CT-0600	TANK, 55 DIA x 80 H	600	•			G-CLASS 45, HECD, P-CLASS, Q-CLASS
7-CT-1000	TANK, 63 DIA x 98 H	1000	•			G-CLASS 45, HECD, P-CLASS, Q-CLASS
7-CT-1200-01	tank, 63 dia x 99 h	1200	•			G-CLASS 45, HECD, P-CLASS, Q-CLASS

# **DE-GAS VALVE**



Vents O2 and O3 off-gas eliminating bubbles, noise and visibility. 400 standard cubic feet per hour (SCFH). NSF Listed.

#### **PLASTIC DE-GAS VALVE**

- Dimensions: 7.9" W x 7.5" H
- Salt Water Resistant
- Clear Plastic Enclosure
- 40 / 80 / 120G Tank Adapter Included
- 400 SCFH @ 50 PSI MAX

#### STAINLESS STEEL/ POLYSULFONE DE-GAS VALVE

- Dimensions: 5.5" W x 10.9" H
- Stainless Steel Enclosure
- Clear View
- 400 SCFH



REF	CMP P/N	DESCRIPTION	CONNECTIONS	System compatibility
А	DV-0200	PLASTIC DE-GAS VALVE	3/4" BOTTOM FITTING, TANK ADAPTER	G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
А	DV-0200-03	PLASTIC DE-GAS VALVE	3/4in BOTTOM FITTING, TANK ADAPTER	G-CLASS 2/5/7/15/25
В	9-1144-01	Stainless steel de-gas valve	QC ADAPTER	G-CLASS, HECD, P-CLASS, Q-CLASS
В	9-1144-02	STAINLESS STEEL DE-GAS VALVE	3/4in FPT	G-CLASS, HECD, P-CLASS, Q-CLASS





# **DESTRUCT & DRAIN VALVE ASSEMBLY**

Thermal/ catalytic ozone destruct with drain valve.

#### **STANDARD FEATURES**

- Stainless Steel Enclosure
- Drain Valve
- Pre-assembled
- NSF

#### **DESTRUCT & DRAIN VALVE**

- Dimensions: 2.5" W x 25.4" H
- Destroys ozone up to 65 SCFH at 7.5% by weight

#### **OZONE DESTRUCT & DRAIN VALVE**

- Dimensions: 4.3" W x 23.6" H
- Destroys ozone up to 300 SCFH at 6% by weight



REF	CMP P/N	VOLT	HERTZ	EXPORT	SYSTEM COMPATIBILITY
А	DD-0650-01	120V	60 Hz		G-CLASS, HECD, P-CLASS
А	DD-0650-50	230V	50/60Hz	•	G-CLASS, HECD, P-CLASS
В	9-0483	120V	60 Hz		G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
В	9-0483-02	230V	50/60 Hz	•	G-CLASS 45, HECD, P-CLASS, Q-CLASS (CD-15G-50-PRO, CD-15GV-50, CD-25G-PRO-02, CD-25G-50-PRO)

# NSF

# ORP MONITOR/ CONTROLLER

Robust ORP monitors and controls ozone output on and off based on set-point. Available in single and dual configurations. Adjustable 0-1000 mV. Models to match Ozone generators.

#### STANDARD FEATURES

- Digital Display Panel
- Pre-assembled
- Includes 50' Cable & Probe
- Adjustable Low ORP Alarm
- NSF

#### **TECHNICAL DETAILS**

- INPUT POWER: 4' (1.2m) Cord with NEMA 5-15P
- ORP CONNECTION: 50' (15m) Cable with BNC Pin Connector
- RANGE: ± 1999 mVRESOLUTION: 1mVACCURACY: ± 5 mV
- SETPOINT: Adjustable, ± 1999 mV
- ENVIRONMENT: 32-122°F (0-50°C), 85% RH Non-
- Condensing
- ORP LEVEL OUTPUT: 4-20mA Analog, Active, Isolated
- ORP DIMENSIONS: 11" W x 8.5" H x 6.1" D





REF	CMP P/N	DESCRIPTION	VOLT	HERTZ	AMP	SYSTEM COMPATIBILITY
Α	ORP-11	SINGLE ORP MONITOR/ CONTROLLER	110-240 V	50/60 Hz	.35 A	G-CLASS 2/5/7
А	ORP-12	SINGLE ORP MONITOR/ CONTROLLER WITH CORD & INTERFACE PLUG	110-240 V	50/60 Hz	.35 A	G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
А	ORP-13	SINGLE ORP MONITOR/ CONTROLLER, CORD WITH TWO-WIRE INTERFACE	110-240 V	50/60 Hz	.35 A	G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
В	ORP-21	DUAL ORP MONITOR/ CONTROLLER	110-240 V	50/60 Hz	.35 A	G-CLASS 2/5/7
В	ORP-22	DUAL ORP MONITOR/ CONTROLLER WITH CORD & INTERFACE PLUG	110-240 V	50/60 Hz	.35 A	G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS
В	ORP-23	DUAL ORP MONITOR/ CONTROLLER, CORD WITH TWO-WIRE INTERFACE	110-240 V	50/60 Hz	.35 A	G-CLASS 15/25/45, HECD, P-CLASS, Q-CLASS



# **DRY TAP**

Exclusive ORP probe dry-tap enables probe removal for cleaning or replacement without draining plumbing lines.

#### STANDARD FEATURES

- Dimensions: 2" W x 6.5" H x 1.5" D
- PVC with Viton Seals
- Complete Isolation Feature
- 3/4" in Size



#### **ORDERING GUIDE**

CMP P/N	DESCRIPTION	SYSTEM COMPATIBILITY
DT-1000	DRY TAP ORP PORT WITH SHUTOFF, FOR 1/2in MPT PROBE	G-CLASS, HECD, P-CLASS, Q-CLASS
DT-1001	DRY TAP ORP PORT WITH SHUTOFF, FOR 3/4in MPT PROBE	G-CLASS, HECD, P-CLASS, Q-CLASS

# AMBIENT OZONE MONITOR/ CONTROLLER



Highly accurate ambient ozone monitor and controller with ozone generator interface. Automatically disables ozone generator and features an audio and visual alarm.

#### STANDARD FEATURES

- Dimensions: 10" W x 7" H
- Mazzei® Venturi Injector
- Stainless Steel Check Valve
- Fully Adjustable
- Rugged Construction
- NSF



CMP P/N	DESCRIPTION	System compatibility
5-0876	AMBIENT OZONE MONITOR/ ALARM, ATI	G-CLASS, HECD, P-CLASS, Q-CLASS
5-0876-02	AMBIENT OZONE MONITOR/ ALARM, ATI, DUAL MONITOR	G-CLASS, HECD, P-CLASS, Q-CLASS



# WHITE GOODS

SQUARE GRATES & FRAMES 30

20" UNBLOCKABLE RING DRAIN 32

32" UNBLOCKABLE CHANNEL DRAIN 34

HYDROSEAL™ TWO-WAY BALL VALVES 36

HYDROSEAL™ DIVERTER VALVES 37

HYDROSEAL™ CHECK VALVES 38





# **SQUARE GRATES & FRAMES**

CMP Square Grate Main Drains are perfect for commercial applications and can be used for single or multiple drain applications. 9" and 12" drains are available in five different color options.

Our square drains are also designed for maximum open area with an unobtrusive appearance, and high flow rates at 1.5 feet per second water velocity.

#### **PRODUCT FEATURES**

- Maximum Open Area
- Five Color Choices to Match Pool Finish
- IAPMO Listed VGB Suction: Compliant to ANSI/APSP - 16 2011 & CPSC Requirements







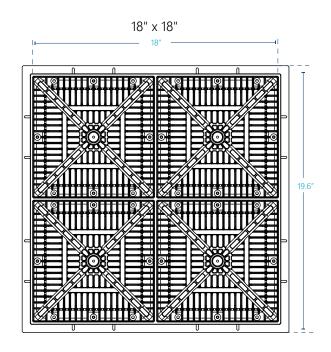
Ī	REF	WHITE	GRAY	BLACK	DARK GRAY	TAN	DESCRIPTION
	А	25508-090-000L	25508-091-000L	25508-094-000L	25508-097-000L	25508-099-000L	9in × 9in GRATE & FRAME
	А	25508-090-010	25508-091-010	25508-094-010	25508-097-010	25508-099-010	9in × 9in GRATE ONLY
	В	25508-120-000L	25508-121-000L	25508-124-000L	25508-127-000L	25508-129-000L	12in × 12in GRATE & FRAME
	В	25508-120-010	25508-121-010	25508-124-010	25508-127-010	25508-129-010	12in × 12in GRATE ONLY
	С	25508-180-000L	_	_	—	—	18in × 18in GRATE & FRAME

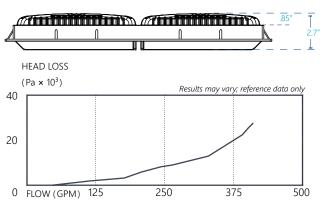


# SQUARE GRATES TECHNICAL RESOURCES

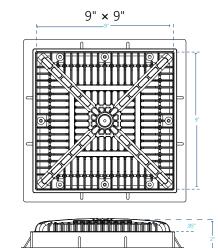
#### **TECHNICAL GUIDE**

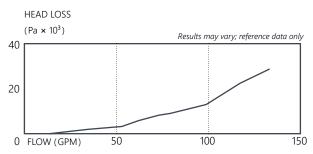
- Single or Multiple Drain Use
- Seven Year Life
- IAPMO Listed
- Floor or Wall Installation
- Safety Back-up Device Required for Single Drain Use

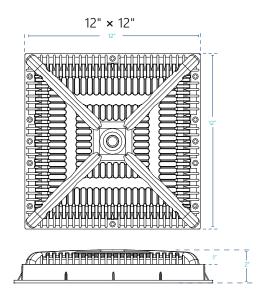


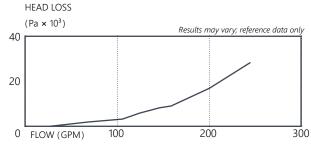












#### VGB 2011



# 20" UNBLOCKABLE RING DRAIN

The 20in Unblockable Ring Drain is a high flow, VGB compliant design that disappears into the pool. The complete ring shape has a unique plaster-filled design that blends in with the pool completely.

No more top to fill with pebble and no center plumbing! Install more naturally with a completely open center. The Ring Drain from CMP sets a new standard for style, flow and safety in the pool.

#### **PRODUCT FEATURES**

- Slim design with plaster center disappears in the pool.
- Flush installation will not catch toes or pool cleaners.
- Integrated inner and outer water stops lock in plaster, preventing gaps and leaks.
- White plus five color covers to match pool finishes.
- Plumb with two ports, single port or with hydrostatic valve.

#### **TECHNICAL DETAILS**

- Single or Multiple Drain Use
- Seven Year Cover Life
- UL Listed Compliant to ANSI/APSP-16 2011 & CPSC Requirements
- 216 GPM at 1.5 FPS
- 46.27in<sup>2</sup> Open Area
- Two 2" Socket × 2.5" Spigot Ports
- PVC Sump Body





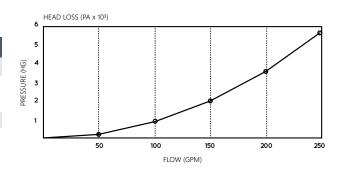
WHITE	GRAY	BLACK	DARK GRAY	TAN	DARK BLUE	DESCRIPTION
25506-330-000	25506-331-000	25506-334-000	25506-337-000	25506-339-000	25506-339-069	COMPLETE RING DRAIN & SUMP
25506-330-800	25506-331-800	25506-334-800	25506-337-800	25506-339-800	25506-339-869	20in RING DRAIN COVER ONLY
25620-320-000	_	_	_	_	_	2in HYDROSTATIC RELIEF VALVE
25520-050-020	_	_	_	_	_	2in NPT PLUG
25506-334-020	_	_	_	_	_	INSTALLATION DEBRIS GUARD*

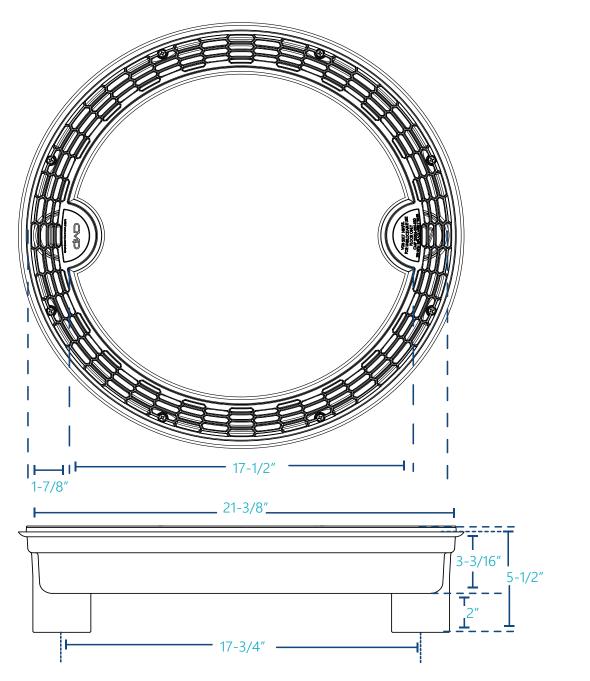
<sup>\*</sup>included with complete drain



# 20" UNBLOCKABLE RING DRAIN TECHNICAL RESOURCES

PLUMBING PORTS MAX FLOW RATE	UL LISTED FLOW RATES						
2// - 2 5//	PLUMBING	PORTS	MAX FLOW RATE				
2 or 2.5 Single 216 GPM	2" or 2.5"	Single	216 GPM				
2" or 2.5" Dual 245 GPM	2" or 2.5"	Dual	245 GPM				





# 32" UNBLOCKABLE CHANNEL DRAIN





#### **PRODUCT FEATURES**

- Unblockable Safety Drain Design
- Integrated Water Stop Design Prevents Plaster Separation & Retains Drain Shape
- Body Shape Reinforcing Ribs
- Finishing Plugs for Unused Screws
- Black Drains Include Matching Black Sump
- Covers Completely Hide the White Sump
- Color Covers Will Retrofit to Competing Channel Drains
- Installation Debris Guard Included
- IAPMO Listed VGB Suction: Compliant to ANSI/APSP - 16 2011 & CPSC Requirements





#### **DRAIN AND COLLAR KIT**

- Unblockable Safety Drain Design
- Installs Over Pipe in Plaster
- For Field Built Sumps



#### ADJUSTABLE COLLAR ADAPTER

- Use for Pool Refinish & Remodel
- Adds 1/2" 3/4" Height
- Fits the CMP 32" Channel Drain
- Creates a Perfect Drain Cover Fit and Finish



REF	WHITE	GRAY	BLACK	DARK GRAY	TAN	DARK BLUE*	DESCRIPTION
А	25506-320-000	25506-321-000	25506-324-000	25506-327-000	25506-329-000	25506-369-000	CHANNEL DRAIN & SUMP
_	25506-320-800	25506-321-800	25506-324-800	25506-327-800	25506-329-800	25506-369-800	32in COVER ONLY WITH SCREWS
_	25506-320-900	25506-321-900	25506-324-900	_	_	_	32in BODY ASSEMBLY
В	25506-320-100	25506-321-100	25506-324-100	25506-327-100	25506-329-100	25506-369-100	COVER & FRAME
_	25506-320-045	25506-321-045	25506-324-045	25506-327-045	25506-329-045	25506-369-045	SCREW PLUG KIT

<sup>\*</sup>for Light Blue, order 25506-359-xxx

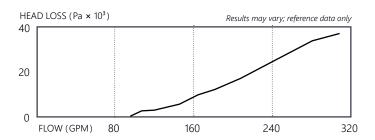
REF	CMP P/N	DESCRIPTION
С	25506-320-150	ADJUSTABLE COLLAR ADAPTER
_	25620-320-000	2in HYDROSTATIC RELIEF VALVE
	25520-050-020	2in NPT PLUG
	25506-320-030	INSTALLATION DEBRIS GUARD FOR 32in CHANNEL DRAIN



# 32" CHANNEL DRAIN TECHNICAL RESOURCES

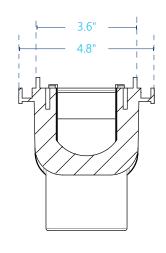
#### **TECHNICAL GUIDE**

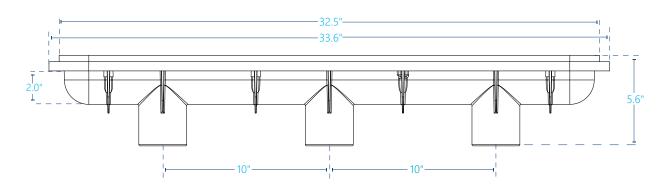
- Three 2" Socket × 2.5" Spigot Ports
- Single or Multiple Drain Use
- Seven Year Life on Cover
- Floor or Wall Installation
- PVC Sump Body
- IAPMO Listed
- 38.79in<sup>2</sup> Open Area
- 181 GPM at 1.5 FPS





IAPMO LISTED MAX FLOW RATES							
PLUMBING	PORTS	FLOOR FLOW RATE	Wall Flow Rate				
2.5"	OUTER	308 GPM	212 GPM				
2.5"	CENTER	200 GPM	168 GPM				
2"	OUTER	268 GPM	192 GPM				
2"	CENTER	184 GPM	176 GPM				
FLOW	FLOW RATE VERIFIED MAY 2011 TO CPSC TEST PROTOCOL						





# HYDROSEAL™ TWO-WAY BALL VALVES

The CMP collection of ball valves includes one of the largest varieties in the industry. Our two-way ball valves include easy to adjust replaceable handles.

#### **PRODUCT FEATURES**

- Durable PVC Construction
- Socket x Socket in 3/4" to 4" Sizes
- Unionized Valves in 1.5" to 2" Sizes







		SOCKET x SOCKET	
REF	CMP P/N	DESCRIPTION	HANDLE COLOR
А	25800-751-000	3/4in SOCKET x SOCKET BALL VALVE	SILVER
А	25800-110-000	1in SOCKET x SOCKET BALL VALVE	SILVER
А	25800-151-000	1.5in SOCKET x SOCKET BALL VALVE	SILVER
А	25800-210-000	2in SOCKET x SOCKET BALL VALVE	SILVER
В	25800-251-000	2.5in SOCKET x SOCKET BALL VALVE	RED
В	25800-310-000	3in SOCKET x SOCKET BALL VALVE	RED
В	25800-410-000	4in SOCKET x SOCKET BALL VALVE	RED
		UNIONIZED	•
С	25802-151-000	1.5in SOCKET UNION BALL VALVE	SILVER
С	25802-210-000	2in SOCKET UNION BALL VALVE	SILVER
D	25802-651-000	1.5in FIP x MIP UNION BALL VALVE	WHITE
Е	25802-415-000	1.5in SOCKET, DOUBLE UNION BALL VALVE	RED
Е	25802-420-000	2in SOCKET, DOUBLE UNION BALL VALVE	RED
	•	ACCESSORIES	•
25800-751-130		HANDLE FOR 3/4in BALL VALVE	SILVER
25800-101-130		HANDLE FOR 1in BALL VALVE	SILVER
25800-151-130		HANDLE FOR 1.5in BALL VALVE	SILVER
25800-201-130		HANDLE FOR 2in BALL VALVE	SILVER
25800-251-130		HANDLE FOR 2.5in BALL VALVE	RED
25800-310-130		HANDLE FOR 3in BALL VALVE	RED
25800-410-130		HANDLE FOR 4in BALL VALVE	RED
25802-151-080		HANDLE FOR 1.5in UNION BALL VALVE	WHITE
25802-651-080		HANDLE FOR 1.5in FIP x MIP	WHITE
26100-530-462		O-RING FOR 1.5in UNION BALL VALVE	<u> </u>
26100-651-462		INSIDE O-RING FOR 1.5in FIP x MIP	_

## HYDROSEAL™ DIVERTER VALVES

Exclusive LifeSeals™ never need lubrication. 32 dial stop adjustable indicator plate for precise flow control with interchangeable flow tabs (in both English & Spanish) for marking ports.

#### **STANDARD FEATURES**

- CPVC: Performs in High Temp
- T-Gasket Seal on Union Valves
- 3-Way Port Count
- 32-Stop Precision Dial
- Multilingual Port Markers





#### **ORDERING GUIDE**

REF	CMP P/N	DESCRIPTION	UNION
А	25913-154-000	1.5in SOCKET x 2in SPIGOT	
А	25913-204-000	2in SOCKET x 2.5in SPIGOT	
А	25913-254-000	2.5in SOCKET x 3in SPIGOT	
В	25923-154-000	1.5in SOCKET	•
В	25923-204-000	2in SOCKET	•

## HYDROSEAL™ CHECK VALVES



CMP Hydroseal Serviceable Check Valves are designed for demanding applications. Dependable quality with a, clear lid for easy inspection, and high temp PVC body with longer sockets for better glue joints.

#### **STANDARD FEATURES**

- Clear Lid
- High Temp CPVC Body
- Silicone Check Seal Never Requires Lubrication







#### **ORDERING GUIDE**

REF	CMP P/N	DESCRIPTION	THREAD-ON CAP	CORROSION RESISTANT	STANDARD
Α	25830-150-000	1.5in SOCKET × 2in SPIGOT	E •	KESISTAINT	•
A	25830-200-000	2in SOCKET × 2.5in SPIGOT	•		•
Α	25830-450-000	1.5in SOCKET × 2in SPIGOT	•		•
Α	25830-500-000	2in SOCKET × 2.5in SPIGOT	•		•
A	25830-350-000	1.5in SOCKET × 2in SPIGOT	•	•	
A	25830-400-000	2in SOCKET × 2.5in SPIGOT	•	•	
В	25830-704-000	180° 1.5in SOCKET × 2in SPIGOT	:		•
В	25830-714-000	180° 2in SOCKET × 2.5in SPIGOT	:		•
В	25830-250-000	180° 2.5in SOCKET × 3in SPIGOT			•
В	25830-804-000	180° 1.5in SOCKET × 2in SPIGOT	:		•
В	25830-814-000	180° 2in SOCKET × 2.5in SPIGOT	:		•
С	25830-764-000	90° 1.5in SOCKET × 2in SPIGOT			•
С	25830-774-000	90° 2in SOCKET × 2.5in SPIGOT	:		•
С	25830-864-000	90° 1.5in SOCKET × 2in SPIGOT			•
С	25830-874-000	90° 2in SOCKET × 2.5in SPIGOT			•





NOTES	
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# REFERENCE

ABOUT SANITIZER TECHNOLOGIES 42

PART NUMBER INDEX 46

TERMS & CONDITIONS 48

CONTENT & TRADEMARK DISCLAIMERS 49

WARRANTY 50

## ABOUT ADVANCED OXIDATION PROCESS TECHNOLOGY

There are many forms of AOP, but the most common one – and the one available in the pool and spa industry – is made through a combination of ozone and germicidal UV (UV-C). In an AOP system, ozone is dissolved in water and then passes through a chamber with a UV-C lamp. When UV-C energy is combined with ozone, it creates a chemical reaction that results in hydroxyl radicals.

Hydroxyl radicals are short-lived but very powerful oxidizers that kill pathogens and microorganisms, and destroy inorganic contaminants in the water. They are more powerful oxidizers than ozone alone.

To achieve AOP, Ozone and UV-C are needed. As water flows through the system, hydroxyl radicals are being formed continuously. This cannot occur without ozone. DEL products produce ozone with patented APG cells. APG cells last longer and produce more ozone than traditional corona discharge or UV ozone generation. This is important! The more ozone molecules in the system, the more hydroxyl radicals are created.

After the hydroxyl radicals oxidize contaminants in the water they quickly convert back to oxygen. AOP is a safe, sustainable and green technology. It also provides the cleanest pool water with the greatest reduction in chemical demand.



### **AOP IN A NUTSHELL**

When germicidal UV light (UV-C) and Ozone react the result is the production of hydroxyl radicals. This reaction is known as Advanced Oxidation Process, or AOP. Hydroxyl radicals have the highest oxidation potential of any residential application sanitizer.

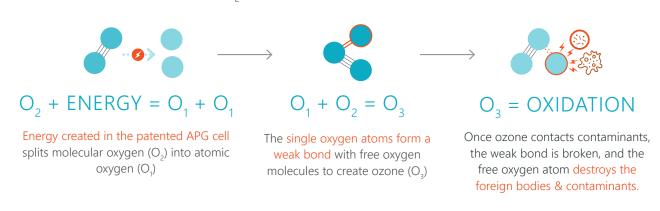


## ABOUT OZONE TECHNOLOGY

Ozone  $(O_3)$  is a gas that can be created inside a chamber by passing oxygen through either a light energy field (UV ozone) or an electrical energy field (CD ozone). The only difference between ozone generated by light energy and electrical energy is the quantity. Electrical generation used in APG Ozone Cells produces higher ozone output.

After passing through this energy field, regular oxygen molecules ( $O_2$ ) are split into two individual oxygen atoms when this energy is added. The unstable  $O_1$  atoms unite with other oxygen molecules ( $O_2$ ), which produces  $O_3$ .

When dissolved in water, ozone will kill pathogens and microorganisms, destroy organics and inorganics and break down chloramines through oxidation. The effectiveness of Ozone greatly reduces chlorine consumption. The oxidation reaction happens when an ozone molecule collides with an oxidizable substance, such as algae, bacteria, sweat, urine, mold spores and protozoa. This causes the weakly bonded third oxygen atom to split off. During this reaction organic molecules are destroyed and dissolved metals become insoluble. The only leftover by-product is breathable oxygen  $(O_2)$ .





### **OZONE IN A NUTSHELL**

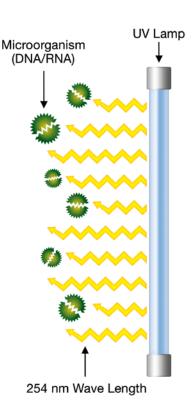
Ozone sanitizes water as soon as the ozone molecules come into contact and react with dissolved, waterborne contaminants in a series of strong oxidation reactions.

## ABOUT UV-C TECHNOLOGY

Germicidal UV-C systems (also known as Ultraviolet Sterilizers) pass water through a chamber and expose it to light, which "inactivates" microorganisms and breaks down chloramines using light energy. In order to sanitize water, specific UV-C light rays must be used. UV-C is not the same as UV light used to generate ozone.

The germicidal light alters the DNA or RNA of microorganisms such as algae, bacteria, viruses, mold spores, and protozoa. 254 nm has the greatest germicidal effect.

A UV-C lamp produces UV-C light in a chamber that is powered by electricity. It effectively inactivates harmful microorganisms, including cryptosporidium parvum. The process leaves no harmful by-products and is able to reduce chlorine consumption.



### **UV-C COMPARED TO OZONE**

Ozone and UV-C are both EPA approved water sanitizing methods. Both are compatible with chlorine, reduce chloramines and environmentally friendly. However, ozone is able to oxidize and UV is not. UV-C rays disrupt DNA or RNA of microorganisms. UV-C produces zero by-products in the water. UV-C does not oxidize the contaminants. They are rendered harmless and unable to reproduce. The inactive organisms are filtered out or oxidized by another sanitizer.



## **UV-C IN A NUTSHELL**

Highly concentrated electromagnetic energy inactivates microorganisms and destroys organic matter to eliminate the formation of harmful chlorine by-products.



## MODEL AQUATIC HEALTH CODE

The Model Aquatic Health Code (MAHC), published by the Centers for Disease Control (CDC), is a guidance document that helps local and state authorities make pools healthier and safer. States and localities can use the MAHC to create or update existing pool codes to reduce risk for outbreaks, drowning and pool-chemical injuries.

Specific to DEL products, the MAHC guidelines set standards for water health and sanitization. The code recommends the use of another sanitizer in addition to the traditional residual chlorine in a pool. The secondary or supplemental sanitizer can address areas not treated—or poorly treated—by traditional sanitizers.

#### SECONDARY VS SUPPLEMENTAL DISINFECTION

The MAHC defines the difference between secondary disinfection and supplemental disinfection systems.

The 2016 Model Aquatic Health Code defines the two as follows:

- "Secondary disinfection systems shall be designed to achieve a minimum 3-log (99.9 percent) reduction in the number of infective *Cryptosporidium parvum* OOCYSTS per pass through the secondary disinfection system." These systems must be validated by a third party, such as NSF.
- "Aquatic venues that do not require secondary disinfection systems may install supplemental treatment systems for the purpose of enhancing overall system performance and improving water quality."

#### **Understanding NSF Certification**

Products tested by NSF should meet the NSF 50 standards as a secondary or supplemental sanitizer NSF 50 includes safety standards for recreational water not limited to sanitization, but also includes standards for flow, filtration and more. It is important to verify a product is NSF 50 certified for disinfection efficacy All CMP Commercial sanitizer products with the NSF mark are specifically certified to the disinfection standards for 3-log contaminant reduction.

#### What does that all mean?

The MAHC recommends that every pool has some type of effective sanitizer in place besides chlorine. It recognizes that chlorine alone will not create the safest pool. The goal is to fill in the gap for areas that chlorine does not address very well.

PART#	PG	PART#	PG	PART#	PG	PART#	PG
5-0876	27, 38	25506-327-100	34	25508-180-000L	30	26100-651-462	36
5-0876-02	27, 38	25506-327-800	34	25520-050-020	32, 34	AOP-PRO-50-01	8
7-CT-40	23	25506-329-000	34	25620-320-000	32, 34	AOP-PRO-100-01	8
7-CT-80	23	25506-329-045	34	25800-101-130	36	AOP-PRO-200D-01	8
7-CT-120	23	25506-329-100	34	25800-110-000	36	AOP-PRO-350D-01	8
7-CT-0200	23	25506-329-800	34	25800-151-000	36	AOP-PRO-500D-01	8
7-CT-0200-01	23	25506-330-000	32	25800-151-130	36	CD-2G	13
7-CT-0205	23	25506-330-800	32	25800-201-130	36	CD-5G	13
7-CT-0400	23	25506-331-000	32	25800-210-000	36	CD-7G	13
7-CT-0400-01	23	25506-331-800	32	25800-251-000	36	CD-7GV	13
7-CT-0600	23	25506-334-000	32	25800-251-130	36	CD-7GV-50	13
7-CT-1000	23	25506-334-020	32	25800-310-000	36	CD-7GV-NAP	13
7-CT-1200-01	23	25506-334-800	32	25800-310-130	36	CD-15G	13
9-0483	25	25506-337-000	32	25800-410-000	36	CD-15GV	13
9-0483-02	25	25506-337-800	32	25800-410-130	36	CD-15GV-50	13
9-0552	22	25506-339-000	32	25800-751-000	36	CD-15GV-NAP	13
9-1036-01	23	25506-339-069	32	25800-751-130	36	CD-25G	13
9-1036-02	23	25506-339-800	32	25802-151-000	36	CD-25GV	13
9-1036-03	23	25506-339-869	32	25802-151-080	36	CD-25GV-50	13
9-1045-01	22	25506-369-000	34	25802-210-000	36	CD-25GV-NAP	13
9-1144-01	24	25506-369-045	34	25802-415-000	36	CD-45GV	13
9-1144-02	24	25506-369-100	34	25802-420-000	36	CD-45GV-50	13
9-1524-01	16	25506-369-800	34	25802-651-000	36	CD-45GV-NAP	13
9-1524-03	16	25508-090-000L	30	25802-651-080	36	CPS-8015-01	15
25506-320-000	34	25508-090-010	30	25830-250-000	38	DD-0650-01	25
25506-320-030	34	25508-091-000L	30	25830-350-000	38	DD-0650-50	25
25506-320-045	34	25508-091-010	30	25830-400-000	38	DT-1000	27
25506-320-100	34	25508-094-000L	30	25830-450-000	38	DT-1001	27
25506-320-150	34	25508-094-010	30	25830-500-000	38	DV-0200	24
25506-320-800	34	25508-097-000L	30	25830-704-000	38	DV-0200-03	24
25506-320-900	34	25508-097-010	30	25830-714-000	38	HECD-65	13
25506-321-000	34	25508-099-000L	30	25830-764-000	38	HECD-65-50	13
25506-321-045	34	25508-099-010	30	25830-774-000	38	HECD-130	13
25506-321-100	34	25508-120-000L	30	25830-804-000	38	HECD-130-03	13
25506-321-800	34	25508-120-011	30	25830-814-000	38	IA-978-4	22
25506-321-900	34	25508-121-000L	30	25830-864-000	38	IA-978-6	22
25506-324-000	34	25508-121-010	30	25830-874-000	38	IA-1584-4	22
25506-324-045	34	25508-124-000L	30	25913-154-000	37	IA-1584-6	22
25506-324-100	34	25508-124-010	30	25913-204-000	37	IA-2081-4	22
25506-324-800	34	25508-127-000L	30	25913-254-000	37	IA-2081-6	22
25506-324-900	34	25508-127-010	30	25923-154-000	37	IU-306	22
25506-327-000	34	25508-129-000L	30	25923-204-000	37	IU-316	22
25506-327-045	34	25508-129-010	30	26100-530-462	36	IU-1583-99	22



PART#	PG	PART#	PG	PART#	PG	PART#	PG
IU-1584-99	22						
IU-2081-99	22						
ORP-11	26						
ORP-12	26						
ORP-13	26						
ORP-21	26						
ORP-22	26						
ORP-23	26						
P-100-01	16						
P-101-01	16						
P-102-01	16						
P-200-01	16						
P-201-01	16						
P-202-01	16						
UV-C-PRO-50-01	20						
UV-C-PRO-100-01	20						
UV-C-PRO-200D-01	20						
UV-C-PRO-350D-01	20						
UV-C-PRO-500D-01	20						

## **TERMS & CONDITIONS**

**CONTACT** For written communication, including payment of invoices, please send to:

Custom Molded Products, LLC

36 Herring Road Newnan, GA 30265 Phone: 770-632-7112

ORDERING

To ensure prompt and proper shipment, please order by using complete part numbers and descriptions. All telephone orders must be followed up with a written confirmation purchase order.

Currently CMP does not apply a surcharge for broken carton orders. Please help us maintain this policy by ordering in full carton quantities.

Thank you for your cooperation!

**TERMS** Standard terms, Net 30 Days

FREIGHT FOB: CMP Point of Manufacture and/ or Warehousing

PAYMENTS •

- Credit Cards may be used to pay at time of order (No Terms)
- Past due balances (31+ days) will incur a 1.5% service charge
- Return checks will incur a \$50 service charge No orders will be shipped to accounts with past due balances

**BILLING** Appropriate debits or credits will be applied to accounts or invoices that are in error. Please **ERRORS** contact Custom Molded Products if you have questions regarding your invoice or if you think your account is in error.

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Merchandise will not be accepted for return without a Returned Materials Authorization (RMA) number issued by Custom Molded Products, which should be marked on all returned cartons. Returned shipments not having prior authorization will be refused. All returned merchandise must be new and unused with the exception of defective goods. A 25% restocking charge will be applied against any credit issued for salable merchandise. All goods must be returned freight pre-paid within 30 days after receipt of shipment.

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Custom Molded Products, LLC. 36 Herring Road, Newnan, Georgia 30265 Phone: 770.632.7112 FAX: 770.632.7115

This limited warranty is given only to the first retail purchaser of such products and is not transferable to any subsequent owners or purchasers of such products. Systems sized 65 grams or greater require factory commissioning and startup to maintain warranty as set forth below.

CMP warrants that DEL or CMP authorized dealers will repair or replace, at the option of CMP, any part of such products proven to be defective in materials or workmanship within two (2) years of the date of receipt. Parts are covered under the two (2) year warranty when and only when the stated maintenance requirements are met. Contact tanks and degas valves have a ninety (90) day warranty. Compressor(s) must be maintained per operation and maintenance manual. Required maintenance includes a compressor rebuild after one (1) year or every 8,760 hours, whichever is reached first. Warranty does not include parts for compressor(s) rebuild kit(s), or other consumable items. See owner's manual for complete maintenance details. This Warranty specifically excludes any components not manufactured by DEL OZONE that are external to the products covered, such as pumps, air compressors, monitors, tanks, or related components. CMP will assist with warranty claims for such components purchased through DEL OZONE; limited to the extent of the manufacturer's standard warranty. ANY REPAIR OR REPLACEMENT WILL BE WARRANTED ONLY FOR THE BALANCE OF THE ORIGINAL TWO (2) YEAR WARRANTY PERIOD



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This warranty is valid only in the United States of America.

#### TIME LIMIT ON COMMENCING LEGAL ACTION

It is agreed that you have 30 days from the accrual of a claim to inform CUSTOM MOLDED PRODUCTS, LLC. by registered mail with acknowledgement of receipt. It is agreed that you have one year from the accrual of a claim to commence any legal action arising from the purchase of a product manufactured by CUSTOM MOLDED PRODUCTS, LLC.

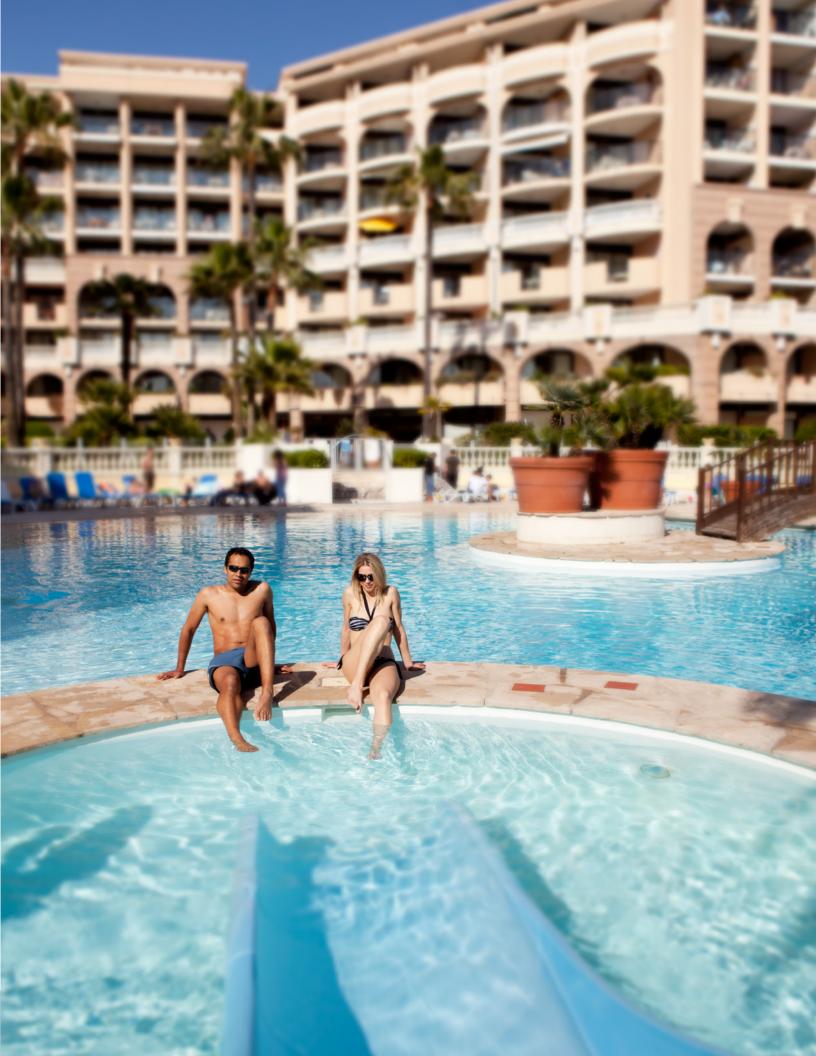
This Limited Warranty shall be governed by and construed in accordance with laws of the State of Georgia, except as to its principles of conflicts of laws, and CUSTOM MOLDED PRODUCTS, LLC and you irrevocably submit to the jurisdiction of the State of Georgia and the venue of Coweta County in any action brought by the parties hereto concerning this Limited Warranty or the performance by CUSTOM MOLDED PRODUCTS, LLC thereunder.

For communication related to replacement products or other issues respecting this Limited Warranty, please contact:

Custom Molded Products, LLC. 36 Herring Road, Newnan, Georgia 30265 Phone: 770.632.7112 FAX: 770.632.7115

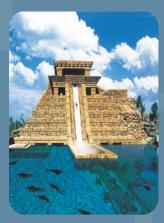
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