

BiSure
PROFESSIONAL

ProMED USA
products that REALLY work.

SG-WDS Series

**Affordable Ozonated Water
Disinfection**

Ozone Water is FDA, USDA,
AVA Approved



ADVANCED OZONE DISINFECTION SOLUTIONS

Designed for Professional
F&B Industry, Laundry, Hotels

SGS



PSB Singapore



Ozone Water Tested by SGS, TUV and ALS Labs
Kills 99.99% Bacteria & Viruses in 5 Seconds



SG-WDS/ICE
(EOS7211-BX)



SG-WDS
(EOS7177-PQX)



SG-WDS MAX
(EOS7178-PQX)



SCAN FOR VIDEO

Introduction to: BioSure Professional Ozone for Food & Beverage

For over 30 years, BioSure Professional has been an industry leader in the development, manufacturing, and supply of environmentally-friendly microbial controls and sanitation systems using electrolytic ozone made from water and electricity. Our expertise in ozone equipment manufacturing has allowed us to innovate ozone products for F&B, enhancing food safety and beverage quality for operators worldwide.

NOW MARRIOTT INTERNATIONAL

Safe and Sustainable Food Safety and Sanitation

At BioSure Professional, we understand the importance of food safety and sanitation in the food and beverage industry. This is why we offer innovative, safe, and reliable ozone products and comprehensive solutions for food safety and sanitation.

Ozone is one of the strongest naturally occurring oxidants and is highly effective in killing bacteria, viruses, and other harmful microorganisms. Our patented Electrolytic Ozone Generation (EOG) technologies deliver easy-to-use, effectively dissolved ozone in water safely and reliably without using harmful chemicals that can alter tastes. And, unlike traditional sanitizers, ozone reverts to oxygen after use, leaving no harmful residues or by-products.

Our cutting-edge sanitation technology offers specialized applications for various types and stages of food handling or processing, including water disinfection, produce wash, beverage waterlines hygiene maintenance, ice machine hygiene maintenance, and hygiene improvement. With our comprehensive solutions, F&B operators can improve food safety, reduce chemical usage, minimize downtime, and surpass regulatory standards.

SAFE: Ozonated water has an MSDS of 0.0.0.0 - just like normal tap water.

HEALTH	7	0
FLAMMABILITY	0	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	A	



"I trust BioSure Professional ozone to keep kitchen sanitation at the highest level and to ensure safest and freshest food for diners while naturally cleaning the highest level ingredients as they should."

Chef Jean Luc Voegelé, ex-Executive Chef at Westin Denver Downtown,
an advocate for food safety and BioSure Professional solutions.





HORECA
Food Safety



Food Processing
Sanitation



Sanitary
Ice & Beverage



Sanitary
Brewing & Winery



Space Sanitation
& Odor Control



Waterline
Preventive Maintenance



Grocery &
Supermarket



Agriculture
& Irrigation



Dental
Applications



Veterinary
Applications



Livestock Care



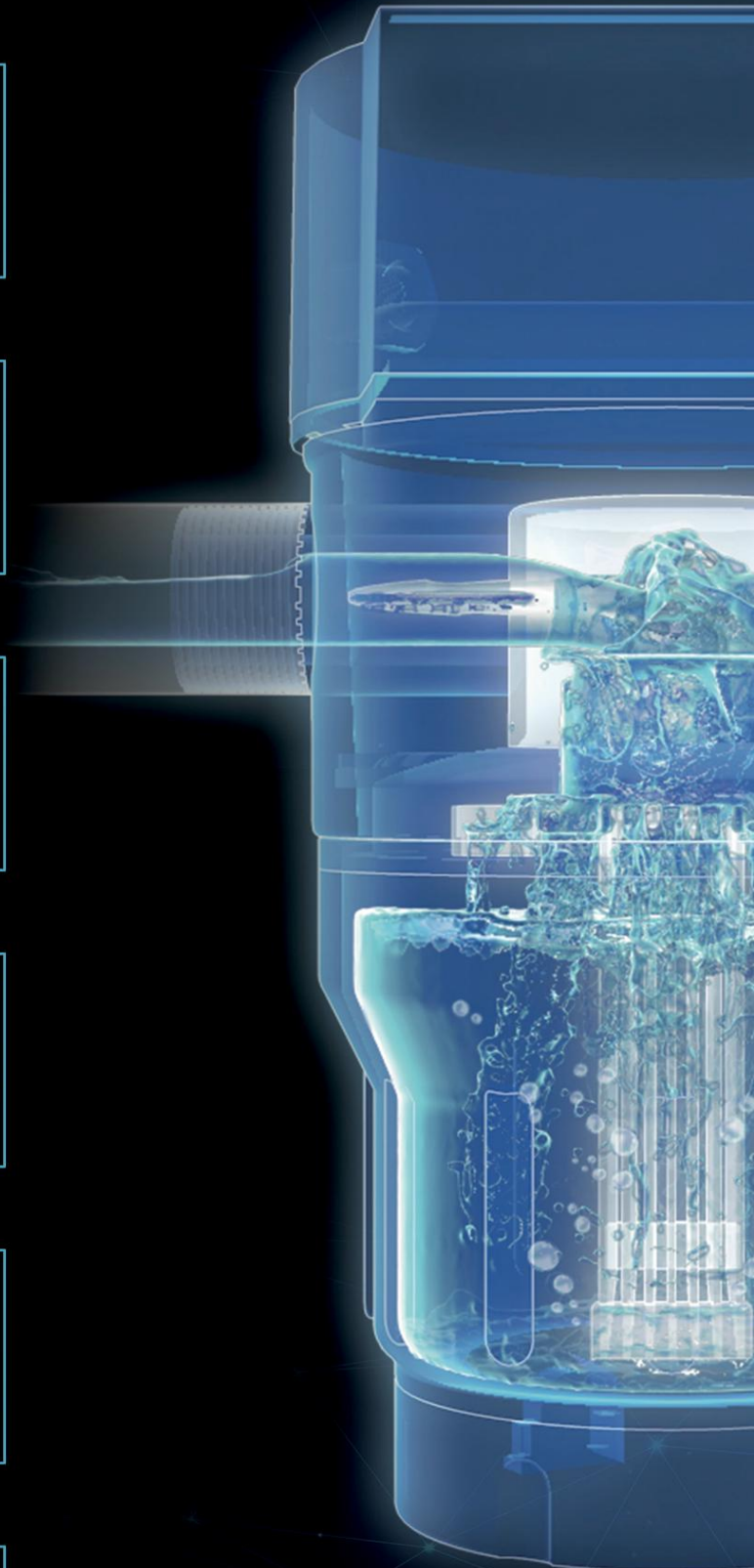
Pet Care



Laundry



Health Care



TECHNICAL DATA

OZONE EFFECTS ON SPECIFIC BACTERIA, VIRUSES & MOLDS

Bacteria are microscopically small, single-cell creatures having a primitive structure. The bacteria body is sealed by a relatively solid-cell membrane.

Ozone interferes with the metabolism of bacterium-cells, most likely through inhibiting and blocking the operation of the enzymatic control system.

A sufficient amount of ozone breaks through the cell membrane, and this leads to the destruction of the bacteria. Viruses are small, independent particles, built of crystals and macromolecules.

Unlike bacteria, they multiply only within the host cell. They transform protein of the host cell into proteins of their

own. Ozone destroys viruses by diffusing through the protein coat into the nucleic acid core, resulting in damage of the viral RNA. At higher concentrations, ozone destroys the capsid, or exterior protein shell by oxidation so DNA (deoxyribonucleic acid), or RNA (ribonucleic acid) structures of the microorganism are affected.

1-mg/l = 1-PPM

Pathogen	Dosage
Aspergillus Niger (Black Mount)	Destroyed by 1.5 to 2 mg/l
Bacillus Bacteria	Destroyed by 0.2 m/l within 30 seconds
Bacillus Anthracis (causes anthrax in sheep, cattle and pigs. Also a human pathogen)	Ozone susceptible
Bacillus cereus	99% destruction after 5-min at 0.12 mg/l in water
B. cereus (spores)	99% destruction after 5-min at 2.3 mg/l in water
Bacillus subtilis	90% reduction at 0.10-PPM for 33 minutes
Bacteriophage f2	99.99% destruction at 0.41 mg/l for 10-seconds in water
Botrytis cinerea	3.8 mg/l for 2 minutes
Candida Bacteria	Ozone susceptible
Clavibacter michiganense	99.99% destruction at 1.1 mg/l for 5 minutes
Cladosporium	90% reduction at 0.10-PPM for 12.1 minutes
Clostridium Bacteria	Ozone susceptible
Clostridium Botulinum Spores. Its toxin paralyses the central nerve system, being a poison multiplying in food and meals.	0.4 to 0.5 mg/l threshold value
Coxsackie Virus A9	95% destruction at 0.035 mg/l for 10-seconds in water
Coxsackie Virus B5	99.99% destruction at 0.4 mg/l for 2.5-minutes in sludge effluent
Diphtheria Pathogen	Destroyed by 1.5 to 2 mg/l
Eberth Bacillus (Typhus abdominalis). Spreads typically by aqueous infection and causes typhoid.	Destroyed by 1.5 to 2 mg/l
Echo Virus 29: The virus most sensitive to ozone.	After a contact time of 1 minute at 1 mg/l of ozone, 99.999 killed.
Enteric virus	95% destruction at 4.1 mg/l for 29 minutes in raw wastewater
Escherichia Coli Bacteria (from feces)	Destroyed by 0.2 mg/l within 30 seconds in air
E-coli (in clean water)	99.99% destruction at 0.25 mg/l for 1.6 minutes
E-coli (in wastewater)	99.9% destruction at 2.2 mg/l for 19 minutes
Encephalomyocarditis Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l.
Endamoebic Cysts Bacteria	Ozone susceptible
Enterovirus Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l.

1-mg/l = 1-PPM

Pathogen	Dosage
Fusarium oxysporum f.sp. lycopersici	1.1 mg/l for 10 minutes
Fusarium oxysporum f.sp. melonogea	99.99% destruction at 1.1 mg/l for 20 minutes
GDVII Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l.
Hepatitis A virus	99.5% reduction at 0.25 mg/l for 2-seconds in a phosphate buffer
Herpes Virus	Destroyed to zero level in less than 30 seconds wit 0.1 to 0.8 mg/l.
Influenza Virus	0.4 to 0.5 mg/l threshold value
Klebs-Löffler Bacillus	Destroyed by 1.5 to 2 mg/l
Legionella pneumophila	99.99% destruction at 0.32 mg/l for 20 minutes in distilled water
Listeria monocytogenes (air)	1.0-4.0 PPM for 5 log reduction (time not known)
Luminescent Basidiomycetes (species having no melanin pigment).	Destroyed in 10 minutes at 100-PPM
Mucor piriformis	3.8 mg/l for 2 minutes
Mycobacterium avium (scientifically reviewed document)	99.9% with a CT value of 0.17 in water
Mycobacterium foruitum	90% destruction at 0.25 mg/l for 1.6 minutes in water
Penicillium Bacteria	Ozone susceptible
Phytophthora parasitica	3.8 mg/l for 2 minutes
Poliomyelitis Virus	99.99% kill with 0.3 to 0.4 mg/l in 3-4 minutes
Poliovirus type 1	99.5% destruction at 0.25 mg/l for 1.6 minutes in water
Proteus Bacteria	Very susceptible
Pseudomonas Bacteria	Very susceptible
Rhabdovirus virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l
Salmonella Bacteria	Very susceptible
Salmonella typhimurium	99.99% destruction at 0.25 mg/l for 1.67 minutes in water
Schistosoma Bacteria	Very susceptible
Staph epidermidis	90% reduction at 0.1-ppm for 1.7 min
Staphylococci	Destroyed by 1.5 to 2.0 mg/l
Stomatitis Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l
Streptococcus Bacteria	Destroyed by 0.2 mg/l within 30 seconds
Verticillium dahliae	99.99% destruction at 1.1 mg/l for 20 minutes
Vesicular Virus	Destroyed to zero level in less than 30 seconds with 0.1 to 0.8 mg/l
Virbrio Cholera Bacteria	Bacteria Very susceptible
Vicia Faba progeny	Ozone causes chromosome aberration and its effect is twice that observed by the action of X-rays

Chemical Free and Sustainable

WDS In-line Series Aqueous Ozone Water System



**Not harmful
Not Corrosive**



**Clean &
Effective**



**Reduce
Chemical Use**



**Higher
Productivity**



Natural sanitation simply from water and electricity

BioSure Professional WDS Series products uses innovative Electrolytic Ozone Generation (EOG) technology that directly convert water and electricity to aqueous ozone. Ozonated water is a powerful, yet safe and natural oxidant that is effective at destroying bacteria, viruses, and mold. Once it is used it reverts back to water and oxygen. It is a safe and residue-free sanitation method. It leaves no residual and doesn't change taste and texture of food. The US FDA has recognized ozone as an antimicrobial agent suitable for use in Food Processing and Agricultural Production*¹.

*1. Notice of this recognition appeared in the Federal Register, June 26, 2001.



Flexible installation to meet your kitchen applications



Hand Wash



Cross
Contamination
Prevention



Food
Defrosting &
Purification



Utensils &
Equipments
Sanitation



Produce Washer
Integration



Wash-Down &
Sanitation



Ice Machine
Disinfection

SG-WDS Series

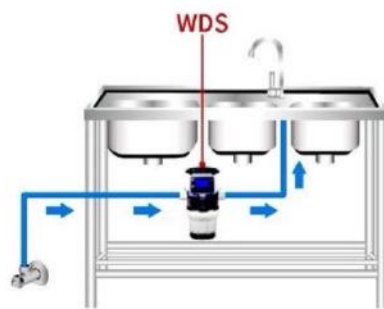
Simple Installation for Continuous Disinfection



WDS Configuration Diagram



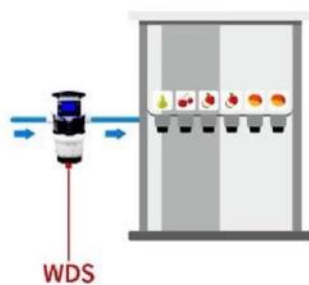
Ice Machines



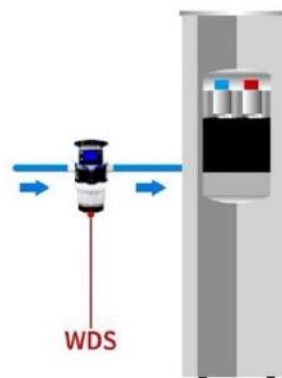
Commercial Kitchen Faucets



Commercial Laundry Machines



Beverage Dispenser



Water Dispenser

SG-WDS SERIES

- ✓ Organic Wash
- ✓ Reduces Chemical Use
- ✓ Increases Productivity
- ✓ Reduces Corporate Carbon Footprint

With the BioSure Professional WDS Series, food processing and kitchen operators can maintain high food safety standards and reduce operational costs associated with traditional sanitation methods. These solutions offer a safe and effective alternative that eliminates the need for harmful chemicals and leaves no residue. You can trust BioSure Professional to properly and safely sanitize your food while reducing your operational costs.

Ozone Water MSDS is 0.0.0.0 (just like tap water)

HEALTH	1	0
FLAMMABILITY	0	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	A	



SG-WDS/ICE

WDS1200X (WDS/ICE)

MODEL: EOS7211-BX

■ Up to 1.5 ppm



SG-WDS
(up to 2 taps)

WDS3000X (WDS)

MODEL: EOS7177-PQX

■ Up to 2.5 ppm



SG-WDS MAX
(up to 4 taps)

WDS6000X (WDS-MAX)

MODEL: EOS7178-PQX

■ Up to 3.5 ppm

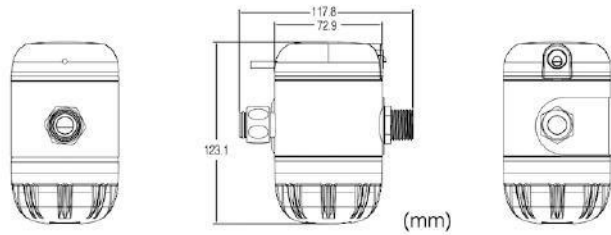
- Electrolytic Ozone Generation (EOG) technology.
- Easy in-line installation.
- Simple flow-start design.
- Replaceable EOG Cell Cartridge.
- Large flow capability.
- User-friendly display and controls.
- Intelligent self-booster program.
- Smart self-cleaning maintenance program.

Model SG-WDS/ICE-Mini (up to 700 lbs/day) (Model EOS7210-BX)



Up to 1.0 ppm
EOS7210-BX

- Post-filter Sanitization
- Ice Machine Sanitization (up to 700 lbs daily ice production)
- Sanitary Wash-Down
- Misting System Sanitization
- Dental Unit Waterline Sanitization



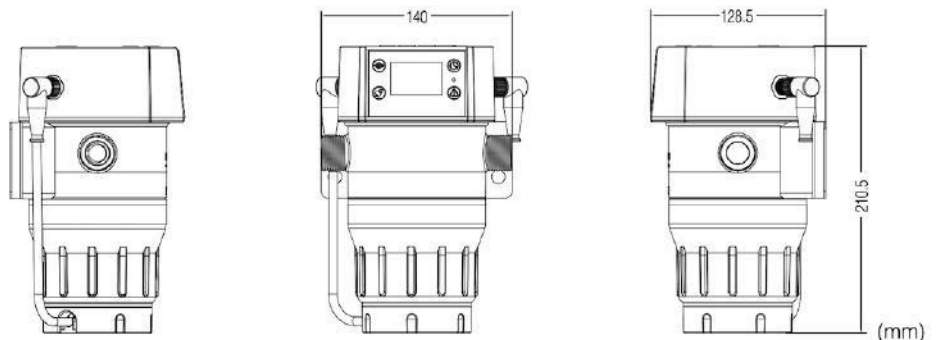
Electrolytic Ozone Production		60 mg/hr ($\pm 10\%$)*1
Ozone Cartridge Lifespan (Operating Hours)		1000 hr*2
Dimensions (W x D x H)		117.8 x 72.9 x 123.1 mm (4.6" x 2.9" x 4.8")
Net Weight		394 g (0.9 lb)
Power Supply (Power Adaptor Included)		100 - 240V AC, 50/60Hz (Adaptor Output: 24V DC, 1.0A)
Electrical Rating		15W
Working Water Quality		Cold Clean Tap Water*3
Nominal Operating Flow Rate		60 - 1650 LPH (0.3 - 7.3 GPM)
Nominal Operating Flow Pressure		0.5 - 7.0 kg/cm ² (7.1 - 100 psi)
Waterline Connections	Inlet	1/2" Female Swivel Nut Adapter
	Outlet	1/2" Male Thread Pipe Fitting

Model SG-WDS (Model EOS7177-PQX)



Up to 2.5 ppm
EOS7177-PQX

- Post-filter Sanitization
- Large Ice Machine Sanitization
- Draft Beerline Sanitization
- Food Preparation Sanitization
- Food Contact Surface Sanitization
- Processing Water Sanitization
- Sanitary Wash-Down
- Janitorial Cleaning Sanitation
- Misting System Sanitization
- Laundry Application
- Dental Unit Waterline Sanitization
- Pet Grooming
- Pool & Water Feature Water Sanitization
- Boat Water System Treatment



Electrolytic Ozone Production		300 mg/hr ($\pm 10\%$)*1
Ozone Cartridge Lifespan (Operating Hours)		1000 hr*2
Dimensions (W x D x H)		140 x 128.5 x 210.5 mm (5.5" x 5.1" x 8.3")
Net Weight		1.3 kg (2.9 lb)
Power Supply (Power Adaptor Included)		100 - 240V AC, 50/60Hz (Adaptor Output: 24V DC, 4.0A)
Electrical Rating		96W
Working Water Quality		Cold Clean Tap Water*3
Nominal Operating Flow Rate		100 - 2300 LPH (0.4 - 10.1 GPM)
Nominal Operating Flow Pressure		0.5 - 7.0 kg/cm ² (7.1 - 100 psi)
Waterline Connections	Inlet	3/4" Male Thread Pipe Fitting
	Outlet	3/4" Male Thread Pipe Fitting

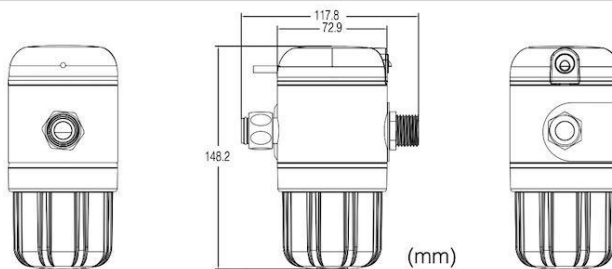
Model SG-WDS/ICE (up to 1,800 lbs/day) (Model EOS7211-BX)



Up to 2.0 ppm

EOS7211-BX

- Post-filter Sanitization
- Ice Machine Sanitation
(up to 1800 lbs daily ice production)
- Kitchen Food Sanitization
- Kitchen Surface Sanitization
- Sanitary Wash-Down
- Misting System Sanitization
- Dental Unit Waterline Sanitization
- Pet Grooming



Electrolytic Ozone Production		120 mg/hr ($\pm 10\%$)* ¹
Ozone Cartridge Lifespan (Operating Hours)		1000 hr* ²
Dimensions (W x D x H)		117.8 x 72.9 x 148.2 mm (4.6" x 2.9" x 5.8")
Net Weight		473 g (1.0 lb)
Power Supply (Power Adaptor Included)		100 - 240V AC, 50/60Hz (Adaptor Output: 5 - 15V DC, 2.0A)
Electrical Rating		30W
Working Water Quality		Cold Clean Tap Water* ³
Nominal Operating Flow Rate		60 - 1650 LPH (0.3 - 7.3 GPM)
Nominal Operating Flow Pressure		0.5 - 7.0 kg/cm ² (7.1 - 100 psi)
Waterline Connections	Inlet	1/2" Female Swivel Nut Adapter
	Outlet	1/2" Male Thread Pipe Fitting

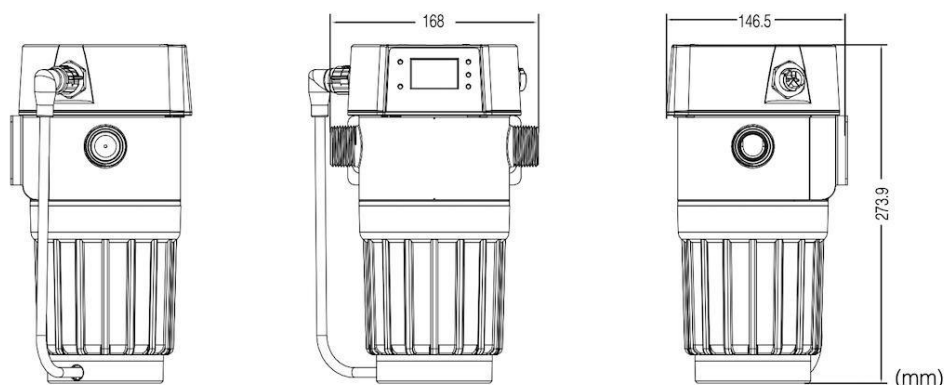
Model SG-WDS MAX (Model EOS7178-PQX)



Up to 3.5 ppm

EOS7178-PQX

- Post-filter Sanitization
- Large Ice Machine Sanitation
- Barrel Sanitization & CIP
- Food Preparation Sanitization
- Food Contact Surface Sanitization
- Processing Water Sanitization
- Sanitary Wash-Down
- Janitorial Cleaning Sanitation
- Misting System Sanitization
- Laundry Application
- Pet Grooming
- Pool & Water Feature Water Sanitization
- Boat Water System Treatment



Electrolytic Ozone Production		600 mg/hr ($\pm 10\%$)* ¹
Ozone Cartridge Lifespan (Operating Hours)		1000 hr* ²
Dimensions (W x D x H)		168 x 146.5 x 273.9 mm (6.6" x 5.7" x 10.8")
Net Weight		3.0 kg (6.6 lb)
Power Supply (Power Adaptor Included)		AC 100-120V or 220-240V, 50/60Hz (Adaptor Output: 5 - 16V DC, 10.5A)
Electrical Rating		170W
Working Water Quality		Cold Clean Tap Water* ³
Nominal Operating Flow Rate		200 - 4600 LPH (0.9 - 20.2 GPM)
Nominal Operating Flow Pressure		0.5 - 7.0 kg/cm ² (7.1 - 100 psi)
Waterline Connections	Inlet	1" Male Thread Pipe Fitting
	Outlet	1" Male Thread Pipe Fitting

SG-WDS/ICE

**AUTOMATIC ICE MACHINE
DISINFECTION SYSTEM**

ProMED USA
products that REALLY work.

Your Ice Machine is Filthy!

Don't you want your ice to look like this?



Continuously disinfects your ice machine, water, the evaporator, and prevents basin and food zone biofilm and mould. Your ice is safe, pure, and crystal clear.

ProMedUSA's SG-WDS/ICE (EOS7211-BX)

The chemical free solution to eliminate biofilm, slime, bacteria and germs – automatically

- Tested and proven to remove 99.99% of bacteria and viruses in just 5 seconds. Ensures best quality hygiene 24/7
- Kills Biofilm, Slime, Salmonella, E. coli, Legionella, Norovirus, Listeria
- Eliminates or reduces manual cleaning
- Leaves no chemical residues behind
- No change in taste or colour of your ice
- The SG-WDS/ICE generates pure, safe ozonated water that is a disinfectant that is 3,000 times faster than chlorine and safer.
- FDA and USDA approved



SG-WDS/ICE VIDEO



ProMedUSA Model SG-WDS/ICE

(Model EOS7211-BX)

ICE & BEVERAGE SOLUTIONS

Enormous food safety risks occur when there is a build-up of biofilm and slime in your ice and beverage machines and in the water lines supplying those units. Dangerous pathogens like Salmonella, E. coli, Listeria, Candida, Norovirus attach to the biofilm and slime and multiply and breed contaminating the ice and cold water.

The ProMedUSA Model SG-WDS/ICE is proven to quickly kill those dangerous pathogens and prevent the biofilm build-up.

SGS OZONATED WATER TEST RESULTS

Test Item	0 Sec	5 Sec	15 Sec	Reduction(%)
<i>Staphylococcus aureus</i> (CFU/ml)	5.4×10^5	not detected	not detected	>99.999
<i>Escherichia Coli</i> (CFU/ml)	2.5×10^5	6.1×10	< 10	99.99
<i>Salmonella</i> (CFU/ml)	1.7×10^5	1.9×10	not detected	99.9
<i>Pseudomonas aeruginosa</i> (CFU/ml)	4.5×10^5	not detected	not detected	>99.999
<i>Candida albicans</i> (CFU/ml)	1.3×10^5	not detected	not detected	>99.999
MRSA(CFU/ml)	1.3×10^5	not detected	not detected	>99.999

The above test results, by SGS show the effectiveness of ozone water. Exposure times of 5 seconds and 15 seconds show remarkable kill rates of up to 99.999%. SGS is the world's leading inspection, verification, testing and certification laboratory, and is recognized as the global benchmark for quality and integrity.

SG-WDS/ICE Results in a 5 Star Hotel's Ice Machine



Typical SG-WDS/ICE Installation



Before SG-WDS/ICE Installation



30 Days After SG-WDS/ICE Installation





**We are your local
authorized dealer:**

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