



Commercial Disinfection System

FSS



Introduction

The BioSure FSS high performance ozonated water system offers safe and effective cleaning and disinfection of surfaces and products, and for direct food contact. The system offers two ozonated water output selections - each with its own dedicated spray hoses - high concentration for greater disinfection or high flow rate for increased efficiency. Ozone is a powerful oxidizer and disinfectant that reverts back to oxygen, thus does not require a final rinse. It is US FDA approved for direct food contact and is the most effective and safest disinfectant available.

The FSS was specifically designed for food preparation and service.

Applications

- food product wash
- ware wash
- direct product sanitation

INCREASE SANITATION AND REDUCE OR ELIMINATE

Chlorine
Quaternary ammonia

▶ Ozone's relative sanitizing strength
1ppm ozone = 50ppm chlorine
1ppm ozone = 200ppm quat

Safety concerns

▶ Ozone reverts back to oxygen.
Residual-free, rinse-free.

Final rinse

▶ Terminal surface sanitizer

PATENTED BIOTEK TECHNOLOGY

- Electrolytic Ozone Generation (EOG)
- Pure Water System
- Dissolving Device
- Built-in Off-Gas Destruct Unit
- USA OSHA Off-Gas Safety Compliant

ADVANTAGES

- Tap water as the only required input
- NOx-free ozone generation (only ozone and oxygen produced)
- >3k hour lifetime ozone generator cell
- Independent of air quality and humidity
- Instant and continuous flow
- Powerful disinfection, eliminates pesticides, viruses, bacteria and without the use of harmful chemicals and chlorine

PERFORMANCE

- Ozone gas generation rate 1.0g/h
- Ozonated water concentration and flow rate (Two output selection, each with dedicated hose)
 - 4.0ppm Ozonated Water Flow @ 150L/hr
 - 2.0ppm Ozonated Water Flow @ 300L/hr
 - 1.0ppm Ozonated Water Flow @ 600L/hr

FEATURES

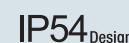
- Compact POU (Point of Use) system
- Low water and power consumption
- Isolated electrical components for high humidity applications

USER FRIENDLY DESIGN

- Drop in installation (wall mounted or countertop)
- Compact and Quiet
- Safe and easy to use
- Hands-free motion sensor selection
- Ball valve controlled, long spray hose output selection
- Front Mounted Digital Control Panel
 - Displays remaining lifetime of consumable parts

APPEARANCE

- Stainless Steel Enclosure
- Dimensions: W410 x D270 x H545mm
- Net weight: 22.5 kg



TECHNOLOGY FEATURE



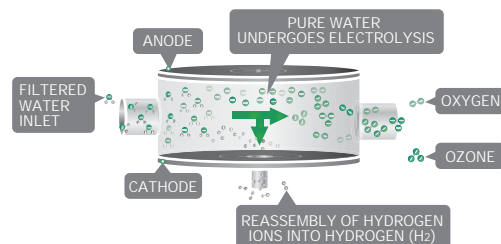
Biotek Patented EOG Technology

The most advanced – Biotek Electrolytic Ozone Generation. Sustainable and effective, eliminates the use of harmful chemicals.



High Performance & Efficiency

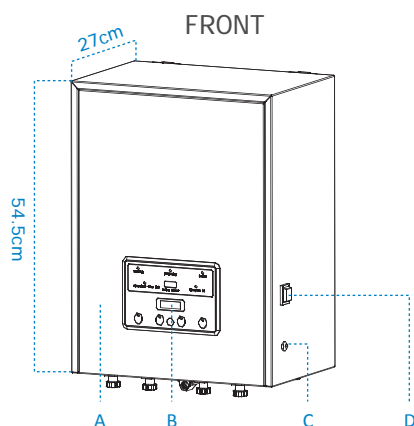
Produces the highest purity ozone with easy dissolution in water. Low power and water consumption. Stable, reliable, and instant ozone output.



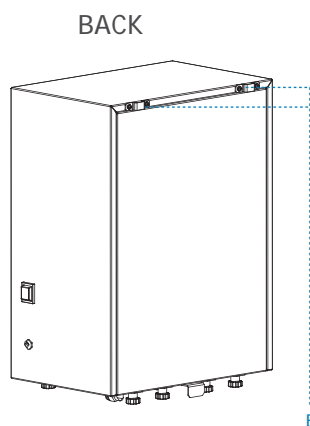
Environment Tolerance

Water as the source, ozone generation is free of NOx and harmful by-products, and independent of air quality and humidity.

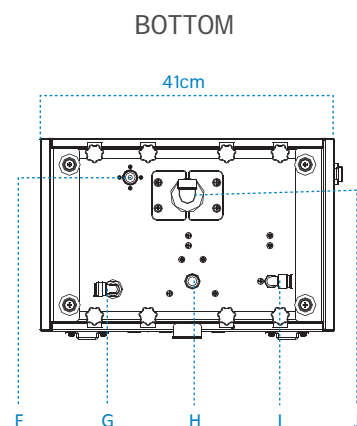
DIMENSIONS DIAGRAM



A. machine
B. control panel
C. power cord



D. power switch
E. wall mounting bracket
F. ozonated water output (short hose)



G. Pure Water System input
H. mixing water input
I. drain
J. ozonated water output (long hose)

SPECIFICATIONS

INPUT:

- Input Water: Municipal water
- Input Water Temperature: 5–30 °C
- Input Water Pressure: 2.0–7.0 kg/cm² (29–99 psi)
- Input Water Flow rate: 1200 L/h
- Chlorine residual, 0.1ppm
- * If the input water pressure is over 7.0 kg/cm², an exterior water regulator is required.

OZONATED WATER OUTPUT:

- Ozonated Water Output (Three Functions)
 - 4.0ppm @ 150±10% LPH* (Short hose, button or motion sensor operated)
 - 2.0ppm @ 300±10% LPH* (Long hose, ball valve operated)
 - 1.0ppm @ 600±10% LPH* (Long hose, ball valve operated)
- Ozonated Water Pressure: 0.5–0.8 kg/cm²
- * Test Conditions:
 - Input water pressure: 3.0 kg/cm²;
 - Input water Temperature: 15 °C;
 - Ambient Temperature: 20 °C;
 - Water Quality: 500 µs/cm
- * The test results based on operating the ozonated water generator for 30 minutes.

POWER SUPPLY:

- Power Consumption: 140 Watts
- AC Input: 220~240V, 120~120V, 50/60Hz

WARRANTY:

- Limited warranty for 1 year or up to 3,000 operation hours (whichever comes first)

TAP WATER CONDITION:

- Pre-filter (included) is required if residual chlorine is above 0.1ppm

VALIDATION

Device	Measurement Range
Biotek OM1000 Dissolved Ozone Monitor	0–6.0 ppm
Biotek OM100 Dissolved Ozone Measurement Tablet	0.05–1.0 ppm



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