



# Central Water Disinfection System

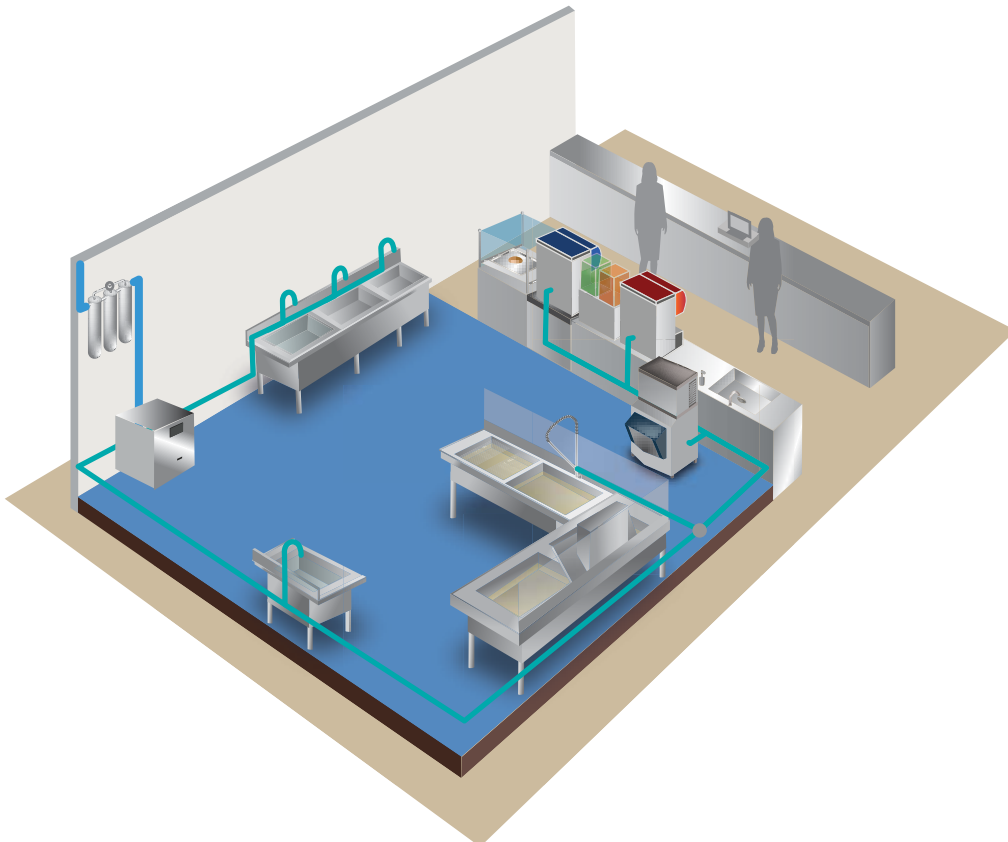
CDS Series



## Introduction

The Central Disinfection System (CDS) can be connected directly to any water supply for use with water distribution systems, beverages dispensers, ice machines, and taps. Use it to meet the need for the cleanest water conditions. When pure, filtered, chlorine-free water and residual disinfection are both required, ozone is the uncompromised solution.

The CDS is a point-of-use ozone treatment to purify the water supply. Ozone acts on contact to eliminate 99.999% of all bacteria, viruses, and molds and prevents bio-film and slime from forming. It exhibits a short half-life before reverting back to oxygen and provides a natural residual disinfection pipe and water line sanitation is maintained without affecting taste or smell of ice and beverages.



### PATENTED BIOTEK TECHNOLOGY

- Electrolytic Ozone Generation (EOG)
- Pure Water System
- Gas-liquid mixing pump
- Built-in Off-Gas Destruct Unit
- Instant and continuously available ozone
- Complies with US OSHA safety

### ADVANTAGES

- Tap water as input
- NOx-free ozone generation (only ozone and oxygen are produced)
- Independent of air quality and humidity
- Instant and continuous flow
- Chlorine-free disinfection
- Eliminates pesticides, viruses, and bacteria

### FEATURES

- Ozone Gas Generation 1.2g/h
- Ozonated Water Output up to 3000L/h
- Generator life over 3,000 hours
- Low voltage

### EASY TO USE

- Drop in installation
- User-friendly control panel
- Machine status indicator

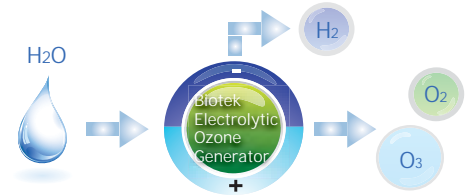
### APPEARANCE

- CDS unit: W420×D450×H600mm
- Pure water system: W400×D200×H400mm
- Net weight 80kg

SUS 304 Enclosure

SUS 316 Internal pipe and water contact surfaces

## 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.

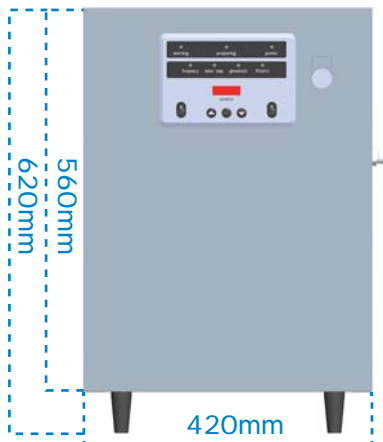
### Environment Tolerance

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

## DIMENSIONS DIAGRAM

FRONT

RIGHT



### INPUT & OUTPUT CONNECTION

- Power cord: length 2m
- Input tap water hose: length 2m diameter 3/4"
- Drain hose length: length 3m diameter 3/8"
- Output water hose: length 2m diameter 3/4"

#### INPUT SPECIFICATIONS:

- Input Water: municipal water
- Input Water Temperature: 5–30°C
- Input Water Pressure: 1.5–3.0 kg/cm<sup>2</sup> (21~42 psi)
- Input Water Flow rate: ≥240 l/h
- \* If the input water pressure is over 3.0kg/cm<sup>2</sup>, an exterior water regulator is required.

#### OZONATED WATER OUTPUT SPECIFICATIONS:

- Ozonated Water Output Flow rate: 240–3000 l/h\*
- Ozonated Water Concentration: 4.0–0.32ppm
- \* Test Conditions:
  - Input water pressure: 3.0 kg/cm<sup>2</sup>;
  - Input water Temperature: 15 C;
  - Ambient Temperature: 20 C;
  - Water Quality: ≤500 μs/cm
- \* The test results based on machine operation after 30 minutes

#### POWER SUPPLY:

- Power Consumption: 800 watts
- AC Input: 200~240V, 100~120V, 50/60Hz

#### WARRANTY:

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

#### ACCESSORIES:

- Pre-filter only required for regions with low quality municipal water/residual chlorine is above 0.1ppm