



Central Disinfection System

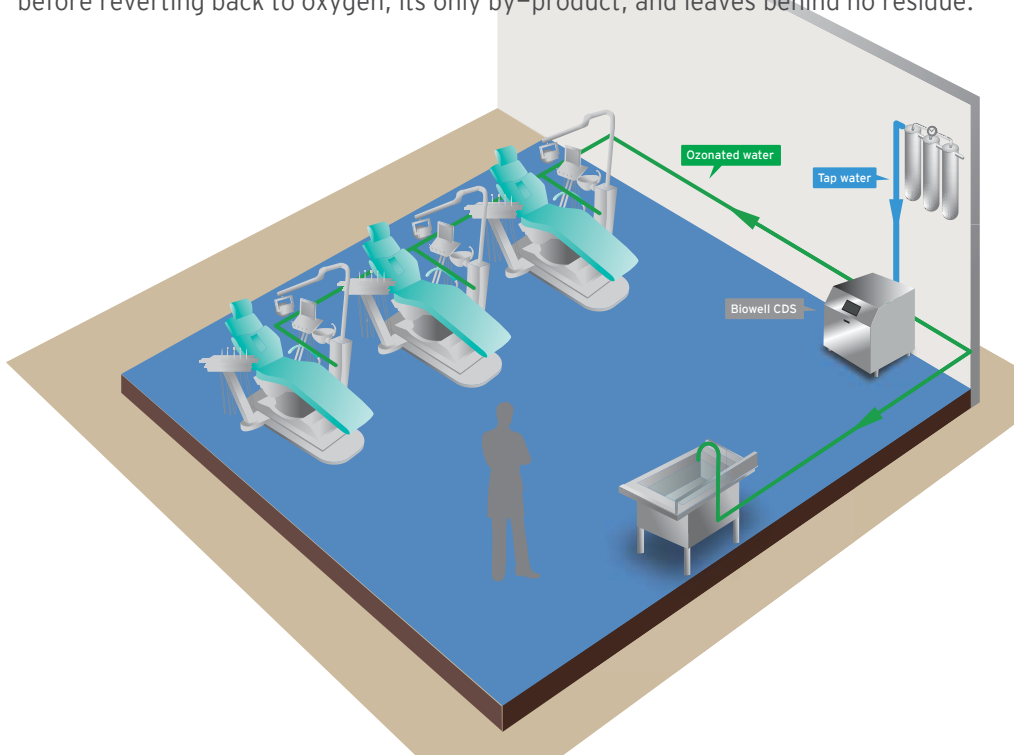
CDS



Introduction

The Biowell CDS can be connected directly to any water supply to treat all incoming water with ozone. Ozone treatment eliminates waterborne pathogens and prevents the formation of biofilm in new equipment. Using the CDS ensures clean, bacteria-free water for greater quality care for both patients and staff.

The CDS is a point-of-use ozone treatment. Ozone offers many benefits as a disinfectant. It acts on contact to eliminate 99.999% of all bacteria, viruses, and molds, thereby removing the chance of biofilm and slime from forming in the first place. Its bacterial disinfection mechanism works by oxidizing the bacteria cell wall and membrane, causing cell lysis and impairing cell functionality. Bacteria and microorganisms cannot build a resistance to ozone. Ozone exhibits a short half-life before reverting back to oxygen, its only by-product, and leaves behind no residue.



PATENTED TECHNOLOGY

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

ADVANTAGES

- Tap water as input
- NO_x-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

PERFORMANCE

- Ozone gas generation rate 1.0g/h
- Ozonated Water Output Flow Rate 400-3000 l/h
- Ozonated Water Concentration 2.0-0.2ppm

FEATURES

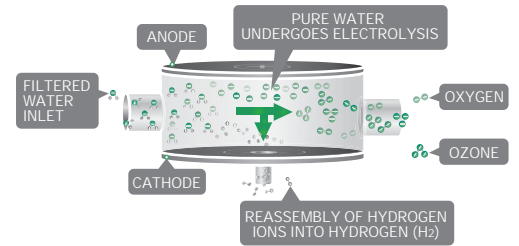
- Drop-in installation
- Low voltage
- Isolated electrical components for high humidity applications

APPEARANCE

- Dimension: L650*W500*H660 mm
- Net weight 80kg

SUS 304 Enclosure
SUS 304 Internal pipe
SUS 304 Pump

TECHNOLOGY FEATURE



Biotek Patented EOG Technology

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

High Performance & Efficiency

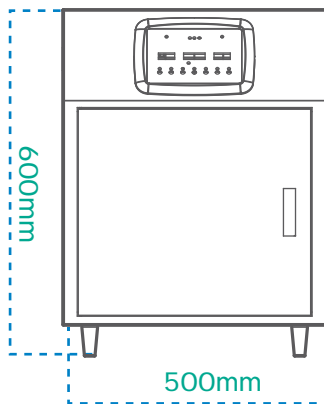
Produces the highest purity ozone with easy dissolution in water. Low power and water consumption. Stable, reliable, and instant ozone output.

Environment Tolerance

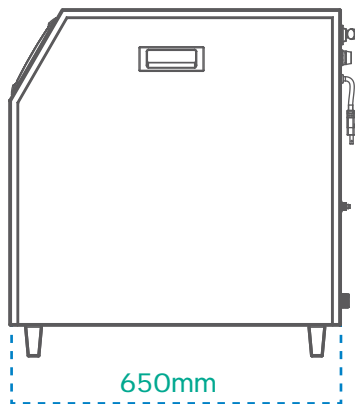
Water as the source, ozone generation is free of NO_x and harmful by-products, and independent of air quality and humidity.

DIMENSIONS DIAGRAM

FRONT



SIDE



INPUT & OUTPUT CONNECTION

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

SPECIFICATIONS

INPUT:

- Input Water: municipal water
- Input Water Temperature: 5–30°C
- Input Water Pressure: 2–16 kg/cm² (28–227 psi)

OZONATED WATER OUTPUT:

- Ozonated Water Output Flow rate: 400–3000 l/h*
- Ozonated Water Concentration: 2.0–0.2ppm
- * 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 machine operation after 30 minutes

POWER SUPPLY:

- Power Consumption: 800 watts
- AC Input: 220V/50Hz
120V/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