

DENTAL OZONE APPLICATION GUIDEBOOK

Advanced Ozone Technologies for
Infection Control in Dentistry



BENEFITS



Chemical free
& residue free



Cost savings



Healthier
dental team



Reliable
dental water

The Complete Disinfection Solution

Portable Sanitation Solution



WDS3000X

MODEL: EOS7177-PQX

- Water & waterline disinfection
- Biofilm prevention
- Handpiece water supply
- Oral rinse during treatment
- On-demand operation



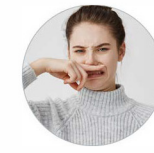
Hand washing



Individual water supply



Medical device surface sanitation



Odor removal



Risk reduction



Space Sanitizer System Plus

MODEL: EOS7190-P

Ozone gas concentration:

0.05 - 0.1 ppm

Applications:

- Air & space sanitation
- Remove odors & unwanted smell
- Increase humidity
- Airborne transmission risk reduction



Compact Disinfection Unit Plus

MODEL: EOS7131-OW

Ozonated water concentration:

Up to 4.0 ppm

Applications:

- General surface sanitation
- Hand wash
- Instrument cleaning
- Oral rinse during treatment
- Ozonated water for dental unit water bottle (DUWL sanitation)
- H2 enriched drinking water available.

Motion-censer Faucet (optional)

Water & Waterline Sanitation



WDS1200X

MODEL: EOS7211-BX

- Water & waterline disinfection
- Biofilm prevention
- Handpiece water supply
- Oral rinse during treatment
- On-demand operation



Water line



Oral rinse



Handpiece water supply



Professional Ozone Spray Bottle

MODEL: EOS7161-P

Ozonated water concentration:

Up to 3.0 ppm

Applications:

- General surface sanitation
- Lightweight design, easy to carry
- Compact & rechargeable
- Requires tap water/filtered water (except distilled & RO water) for operation



Hand sanitation



Hygienic environment

SPECIFICATIONS

Professional Ozone Spray Bottle

OSB



150ml

| | |
|-----------------------|------------------------------------|
| Application | Surface sanitation |
| Conc. | 3.0 ppm |
| Working water quality | Clean tap water* 1 |
| Coverage | Up to 0.6 m ² per spray |
| Power | DC 5V 1A |
| Battery | 1200 mAh |
| Dimensions (mm) | Ø53 x H255mm |
| Weight (Net) | 308g |

*1. TDS 60 - 200 ppm, hardness < 180 ppm as CaCO₃

Space Sanitizer System Plus

SSS+



| | |
|-----------------------|---------------------------|
| Application | Space sanitation |
| Conc. | 0.05 - 0.1 ppm |
| Working water quality | Pure water |
| Coverage | Up to 150 m ² |
| Power | AC 100-240V, 50/60Hz; 32W |
| Dimensions (mm) | W230 x D127 x H300 |
| Weight (Net) | 2.5kg |

Water Unit Disinfection System

WDS1200X



Water Disinfection System

WDS3000X



| Application | Direct water feed dental unit | Direct water feed dental unit |
|-----------------------|--------------------------------|--------------------------------|
| Conc. | Up to 1.0 ppm | Up to 2.5 ppm |
| Working water quality | Filtered clean water* 1 | Filtered clean water* 2 |
| Capacity | Connect to 1 dentist chair | Up to 10 dentist chairs |
| Max. Pressure | 7 kg/cm ² (100 psi) | 7 kg/cm ² (100 psi) |
| Power | AC 100-240V, 50/60Hz; 5W | AC 100-240V, 50/60Hz; 96W |
| Dimensions (mm) | W73 x D118 x H131 | W140 x D128.5 x H210.5 |
| Weight (Net) | 473g | 1.3kg |

*1. TDS 30 - 250 ppm, hardness < 180 ppm as CaCO₃

*2. TDS 60 - 300 ppm, hardness < 180 ppm as CaCO₃

Compact Disinfection Unit Plus

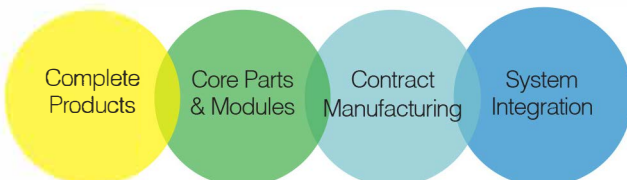
CDU Plus



| Functionality | Ozonated Water | Hydrogen-rich Drinking Water |
|---|--|--|
| Max. Concentrations | Up to 4.0 ppm ² (dissolved O ₃) | Up to 1.200 ppb ² (dissolved H ₂) |
| Recommended/Nominal Operating Flow Rate | 200 LPH (0.9 GPM) | 100 LPH (0.5 GPM) |
| Waterline Connection | 3/8" | |
| Max. Input Water Pressure | < 7 kg/cm ² (100 psi) | |
| Recommended Operating Pressure | 3 kg/cm ² (43 psi) | |
| Operating Water Quality Requirements | Clean Municipal Tap Water*4 | |
| Optimal Water Temperature | 5 - 40°C (41 - 104°F) | |
| Dimensions | (mm) | W300 x D165 x H400 (mm) |
| | (Inch) | W11.8" x D6.5" x H15.8" |
| Net Weight | 7.5 kg (16.5 lb) | |
| Power Supply | 100-240V AC, 50/60Hz | |
| Degree of Protection | IPX2 | |

About Us

Since 1988, BES Group has been the global leader of electrolytic technology that converts water to ultra-pure OZONE and HYDROGEN. Products applications include Food Safety, Ice & Beverage, Dentistry, Healthcare, Professional Laundry, Professional Cleaning, Maritime, and Home Sanitation & Wellness. All products and components are tested for high performance, safety, efficacy and reliability with certifications from government agencies and leading 3rd party labs.



Technologies applied are protected by one or more of the following patents:
US 8,308,914 B2; US 9,757,697 B2; US 9,248,208 B2

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Member of



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