SLS TECHNOLOGY

High Concentration Ozone Water Generator

This high-concentration ozone water system is a compact all-in-one water and ozone mixing system for water or surface disinfection purposes. Unlike the traditional ozone systems in the market, the SLSHEOT ozone water generator system has an integrated design that combines an oxygen generator, ozone generator, and unique mixing system into a plug-and-play system.

Thanks to the unique mixing system design, SLSHEOT is capable of delivering super high dissolved ozone concentration in water up to 20mg/l (ppm).

Advantages

- Plug and play configuration.
- Super high ozone concentration dissolved in the treated water.
- No need to connect the air source.
- Easy for maintenance.
- The most compact size on the market.

HEOT-6

Specifications

Model	HEOT-6	HEOT-15
Designed Flow Rate	1TPH / 16.7LPM	1TPH / 16.7LPM
Avg. O3 Concentration	1~6mg/l(ppm)	1~15mg/l(ppm)
Power Consumption	420W	960W
Working Current	1.9A	4.36A
Power Requirement	220V/50Hz/60Hz	
Feed Water Pressure	1.5 - 3.5 Bar	
Feed Water TDS	< 500 ppm	
Water Temperature	5 - 40°C	
Pipe Connection	DN20 (¾") Thread	
System Dimension	400*800*780	450*750*1300
Net Weight	61Kg	115Kg

*Treated water outlet pressure can't be over 1 bar.

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Troublesome Traditional Design

A typical corona discharge ozone generator system generally includes the following configurations in equipment assembly:

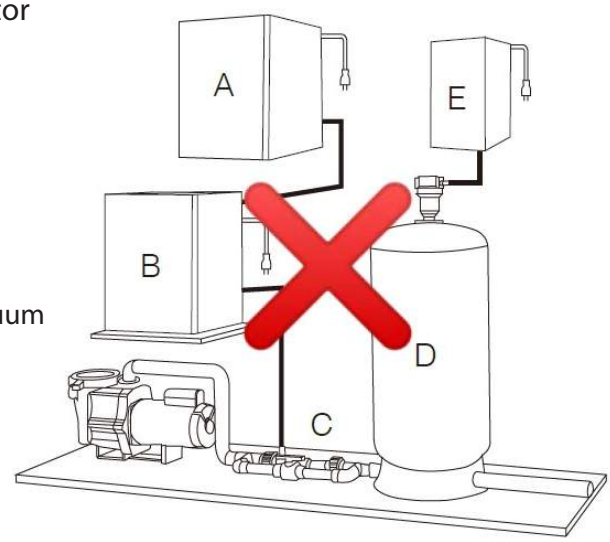
A. Feed gas preparation device.
(air dehumidifier and oxygen concentrator)

B. Corona discharge ozone generator.

C. Injection module. (Venturi injector, vacuum break, pressure booster pump)

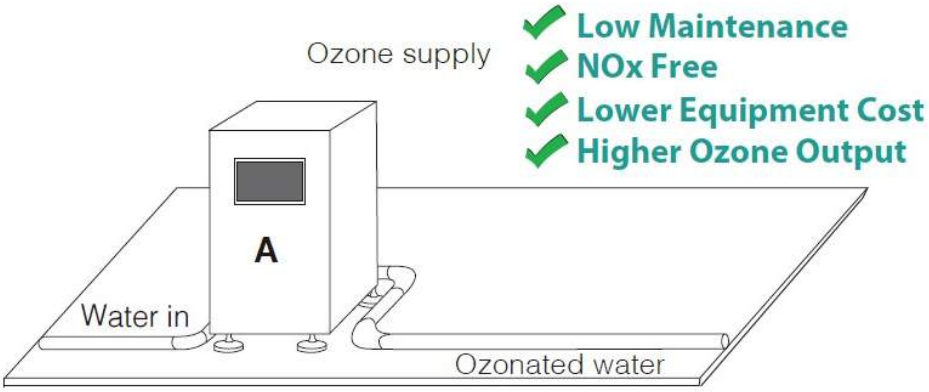
D. Contact vessel.

E. Off-gas vent and destructor.



Beauty of Simplicity

A. SLSHEOT ozone water generator system



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Market & Applications

Recirculation Water Loop Disinfection

- Electronics
- Pharmaceutical
- Cosmetics and Life Sciences

Food Processing & Safety

- Equipment & Tool Sanitation
- Food Contact Sanitation
- Food Rinsing
- Washer Integration

Agriculture & Greenhouse

- Complete Chemical-Free Microbial Control
- Growing Surface Sanitation
- Mist and Drip System Integration

Beverage, Wineries & Breweries

- Water Disinfection
- Bottle & Barrel Rinsing
- Clean-In-Place (CIP) Integration

Commercial Laundry

- Clinics & Hospitals
- Senior Care & Welfare Institutes
- Laundromats

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Shift For A Better Solution

Chlorine or chlorine based disinfectants are the traditional go-to option for sanitation for many kitchen operators, mainly because of its low cost and despite chlorine's potential health risks. As an environmentally friendly, residue-free and effective disinfectant, dissolved ozone has been approved worldwide as an alternative to chlorine sanitizers in food business.

- 1976 EPA Approves Ozone as an Antimicrobial oxidizer
- 2001 FDA/USDA Approve Ozone as an Antimicrobial Food Additive & a Food Contact Surface Disinfectant
- 2002 USDA National Organic Program Allows Ozone as an Antimicrobial Food Additive and Food-Contact Surface Disinfectant

Dissolved Ozone Vs. Chlorine

	Dissolved Ozone	Chlorine
Performance	1 ppm dissolved ozone = 50 ppm chlorine	Up to 50 times less powerful than dissolved ozone
Efficiency	Higher oxidizing power allows shorter contact times	Lower oxidizing power requires long contact times
Effectiveness	Broad-spectrum disinfectant	Limited-spectrum disinfectant, an ongoing problem
By-Products	Harmless, oxygen only	Harmful, including Trihalomethanes (THMs), Haloaceticacids (HAAs) and other organochlorine compounds.
Residue	Residue-free	Residue remains with unpleasant chlorinated taste and smell
Corrosive	Not corrosive	Corrosive
Storage	On-site generation	Storage and handling required
Safety	Absolutely safe	Cancerigenic
Environmental Impact	Environmentally Friendly	Organochlorine compounds accumulation as environmental concern