

ClearWater Tech, LLC

CIP800 CLEAN-IN-PLACE OZONE SYSTEM



CIP800 Clean-In-Place Ozone System

The presence of pathogenic microorganisms in the food industry can be addressed with simple treatments using ozonation systems from ClearWater Tech. These systems keep a facility sanitized, reduce pollutants in groundwater, and offer a powerful alternative to thermal disinfection, chlorine, and other traditional sanitizers for surface disinfection.

The CIP800 system uses ozone, nature's most powerful disinfectant and the most effective oxidizer commercially available. And because ozone is an oxygen-based oxidizer, it leaves no chemicals or chemical by-products behind - just oxygen and water. Ozone-enriched-water sanitizes surfaces on contact which enhances food safety, processing surface sanitation, product rinsing, and extends shelf life.

The CIP800 is a complete wall-mounted ozone system providing ozone enriched water perfect for clean-in-place applications. Includes: ozone generator, oxygen concentrator, controls, backflow prevention and injection manifold to safely draw the ozone gas into the water.

Benefits:

- Better sanitation - complete disinfection on contact
- Eliminates odors - powerful, but safe oxidation
- Maintains color and appearance
- Save money - extends shelf life, reduces or eliminates chemicals and hot water use
- Save time - disinfectant produced on-site (no storage, mixing or handling of chemicals)
- Protects the environment - ozone reduces waste water pollutants

Applications:

- Surface sanitation
- Wineries & breweries
- Seafood cases
- Butcher blocks
- Food processing
- Fishing vessels
- Produce misters
- Fish storage
- Process water purification
- Dairy cases
- Odor control
- Floors & walls

Features:

- Ozone generator
- Oxygen concentrator
- Safety - vacuum switch operated
- Backflow prevention
- Simple integration
- Efficient mass-transfer of ozone to off-gas venting and destruct

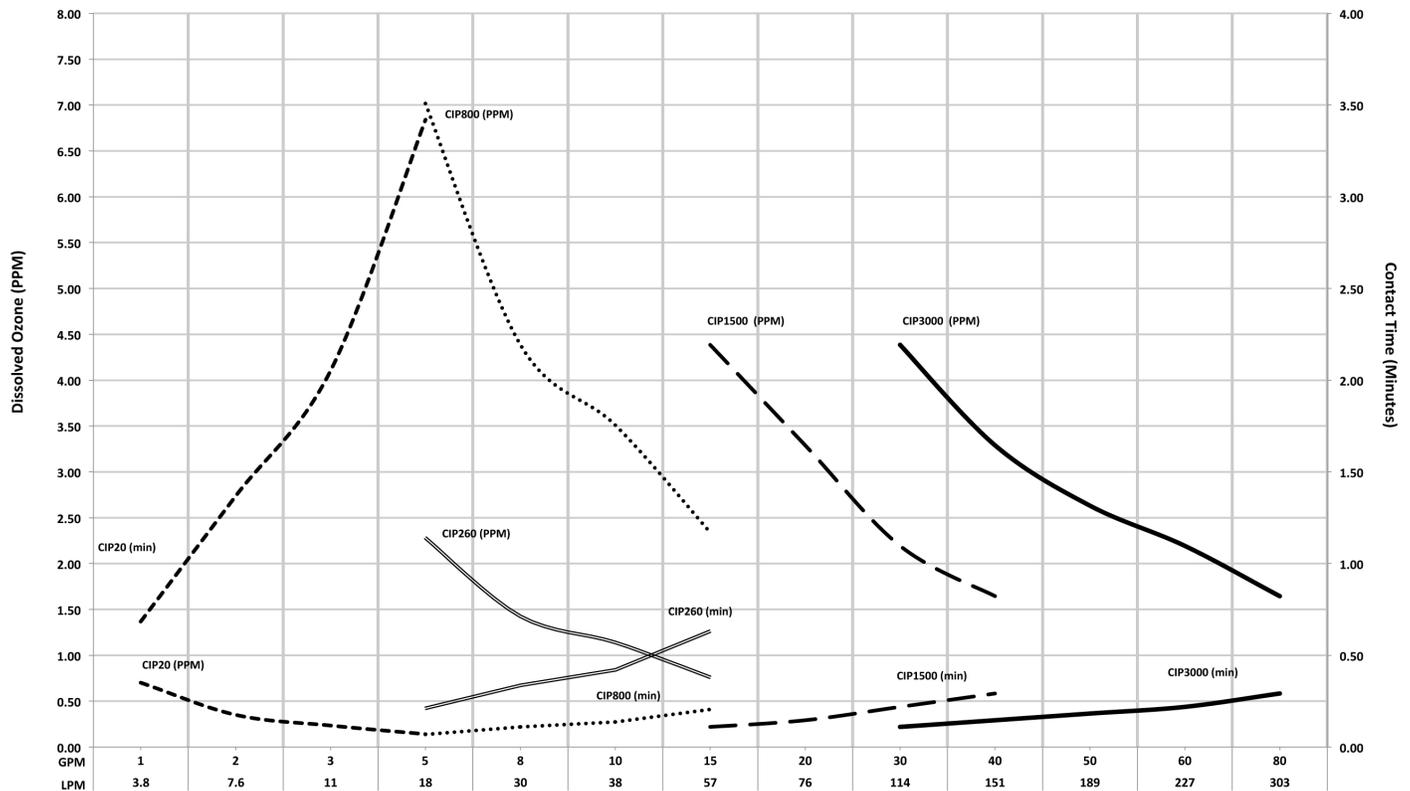


CIP800 SPECIFICATIONS

Electrical	Main Power	120VAC 60Hz, 5.0 A, 1 ϕ 220VAC 50Hz, 2.8 A, 1 ϕ
Ozone Output	Ozone Generator Output	8 gr/hr @ 4 SCFH, 3% by weight
Water Inlet	Potable Water	No iron, maganese, sulfur Water inlet pressure (min-max) Water inlet GPM (min-max)) Water inlet temperature (max) Water pH (min-max)
		55-70 PSI 7-12 GPM 75 $^{\circ}$ F, 24 $^{\circ}$ C 7.0 to 7.6 pH

CIP-Series Dissolved Ozone and Contact Time

A Ct-Value of 0.48 (at 25 $^{\circ}$ C Water Temperature) can provide a 99.9% reduction of Giardia Cysts, and 99.99% reduction of enteric viruses, which will also provide distruction of Legionella, E.Coli and other bacteria. Ct is based on Concentration (C) of dissolved ozone multiplied by Contact Time (t) in minutes (*Water Quality Association, 2007*).



ClearWater Tech, LLC

Ozone Systems for Water & Air Purification

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