



BOTTLING EQUIPMENT



CRUSHER



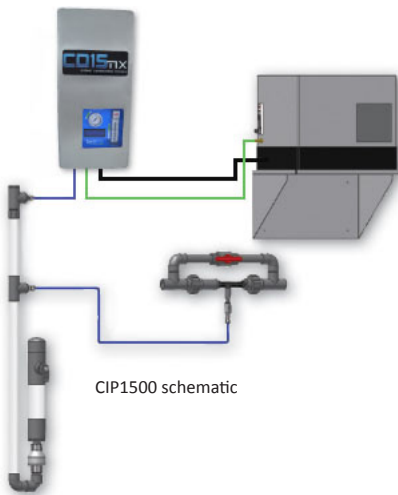
TANK WASHING



BARREL WASHING



ALL SURFACE CLEANING



Clean-In-Place (CIP) Ozone Systems

The CIP systems from ClearWater Tech provide clean-in-place ozone disinfection solutions for your winery or brewery. These easy to install, wall-mounted systems are used to sanitize floors, walls, tanks, doors, barrels, transfer lines and any other disinfection needs in your facility. Each system includes: ozone generator, oxygen concentrator, controls, backflow prevention and injection manifold to safely draw the ozone gas into the water.

Features:

- Ozone generator
- Oxygen concentrator
- Safety - vacuum switch operated
- Backflow prevention
- Simple integration
- Efficient mass-transfer of ozone to water

Applications:

- Surface sanitation
- Wineries & breweries
- Bottled Beverages
- Seafood cases
- Butcher blocks
- Food, meat, poultry processing
- Food processing
- Fishing vessels
- Produce misters
- Fish storage
- Dairies
- Odor control
- Process water purification

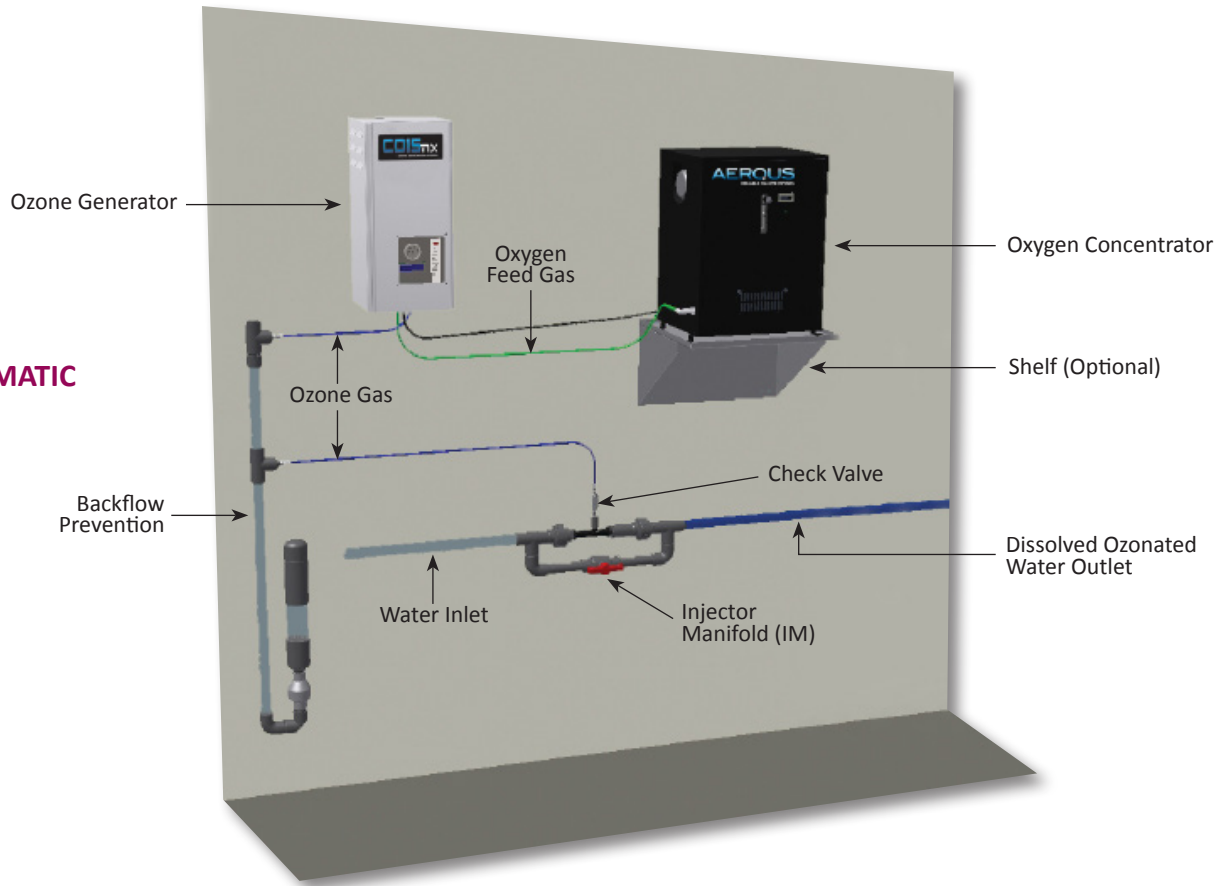
Benefits:

- Saves money - reduces chemical AND hot water use
- Saves time
- Disinfectant produced on-site (no storage, mixing or handling of chemicals)
- Safe for operators
- Complete disinfection without chemical residue
- Sustainability - ozone sanitation is the only natural product with proven efficiency without leaving any harmful by-products
- Eliminates T.C.A. precursors
- Mold, odor and mildew control
- Ozone approved by a FDA expert panel as GRAS (generally recognized as safe) for use as a sanitizer in 1997, and approved by FDA for use with agri-food applications

CIP-SERIES SPECIFICATIONS

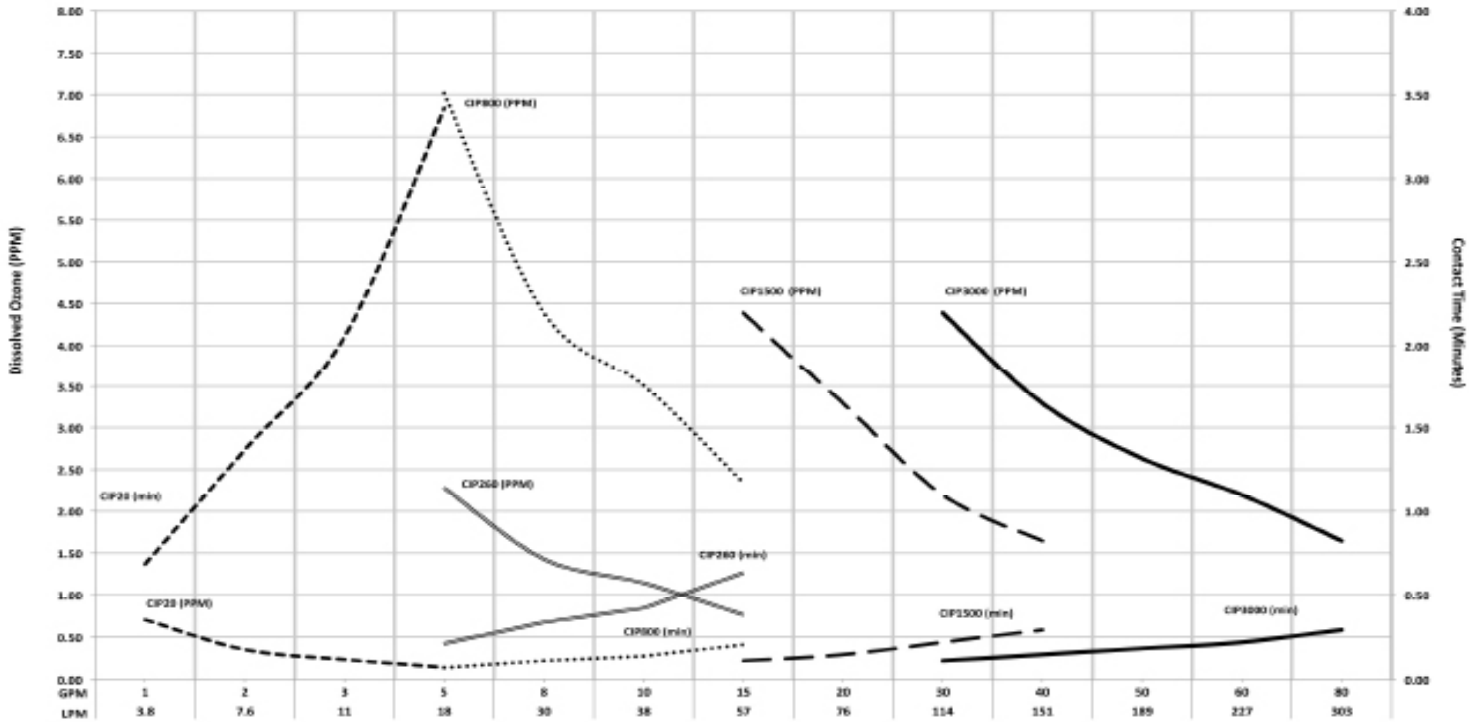
System	Grams Per Hour	Feed Gas	Water Inlet/Outlet (inches)	Water Flow Range		Inlet Pressure (PSI)	Amperage Draw	
				GPM	LPM		120VAC 60HZ	220VAC 50/60HZ
CIP20	0.2	Ambient	0.75" MPT	1.3 - 5	3.7 - 18.9	20 - 100	0.50	0.25
CIP260	2.6	Dry	1.0" Socket	5.0 - 15	18 - 57	60	2.60	1.52
CIP800	8.0	Oxygen	1.0" Socket	5.0 - 15	18 - 57	60	5.40	3.00
CIP1500	15.0	Oxygen	1.5" Socket	15 - 40	57 - 151	60	4.20	2.25
CIP3000	30.0	Oxygen	2.0" Socket	30 - 80	58 - 151	60	7.50	3.30

**CIP1500
WALL SCHEMATIC**



**CIP - SERIES
Dissolved Ozone and Contact Time**

A Ct-Value of 0.48 (at 25°C Water Temperature) can provide a 99.9% reduction of Giardia Cysts, and 99.99% reduction of enteric viruses, which will also provide destruction 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).



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