

ClearWater Tech, LLC
HDO₃ HIGH DISSOLVED OZONE SYSTEM



AGRI-FOODS



COMMERCIAL LAUNDRIES



FISHING VESSELS



BOTTLED WATER PLANTS



DAIRIES



HDO₃ High Dissolved Ozone System

ClearWater Tech, LLC offers the HDO₃ series of clean-in-place (CIP) sanitation systems for surface cleaning and disinfection with the strength of ozone, nature’s powerful sanitizer. Ozone is the most powerful oxidizer commercially available, up to 1.5 times stronger and many times faster acting than chlorine, and is unmatched as a disinfectant.

Unlike traditional antiseptics, ozone is produced on-site with equipment that can easily be sized to meet any requirement. Ozone-enriched-water (OEWS) not only sanitizes surfaces on contact but is completely safe. Ozone also leaves no harmful residue in water to harm the environment.

The HDO₃ (high dissolved ozone) systems are designed for efficient mass-transfer of ozone gas into solution, which means very high disinfectant power. The systems are capable of achieving up to seven parts per million (7.0 ppm) of dissolved ozone and flow rates up to one hundred fifty gallons per minute (150 gpm). With three (3) models to choose from, the HDO₃ systems can meet just about any sanitation challenge.

Features:

- Turn-key & pre-plumbed
- Stainless steel or powder coated steel construction
- Integrated dissolved ozone monitor
- Easy-to-read, panel mounted instrumentation
- Adjustable ozone output to meet any demand
- Air-cooled stainless steel ozone reaction chambers

Applications:

- Commercial Laundry
- Hard Surface Cleaning
- Clean-In-Place (CIP) Systems
- Fruit & Vegetable Rinse Systems
- Bottled Water Plants
- Larger Volume Water Stores
- Fishing Vessels
- Dairies

Benefits:

- Better Sanitation – Complete disinfection on contact
- Eliminates odors – Powerful, but safe, oxidation
- Save money – Reduces or eliminates chemical use
- Save time – Disinfectant produced on-site (no storage, mixing or handling of chemicals)
- Protect the Environment – Ozone reduces waste water pollutants



HDO3 Specification Information

Unit	Grams Per Hour @ SCFH	Concentration By Weight @ Rated SCFH	PPM @ GPM	Max GPM @ PSI	Vacuum (-5 in Hg) Pressure (10 psi)	120V/60Hz, AMPS	220V/50Hz, AMPS, Single Hot Leg	Dimensions (Inches)			Wt. (lbs.)
								H"	W"	D"	
	Oxygen	Oxygen						H"	W"	D"	lbs
HDO3-I	8 @ 8	3.00	4.3 @ 8 (10)	8 @ 20 (9)	V	20.00 (5)	11.00 (5)	66.0	20.0	29.0	280.0
HDO3-II	20 @ 14	4.00	6.7 @ 13 (10)	13 @ 20 (9)	V	20.00 (5)	11.00 (5)	66.0	20.0	29.0	300.0
HDO3-III	27 @ 12	6.00	9.0 @ 13 (10)	13 @ 20 (9)	V	20.00 (5)	11.00 (5)	66.0	20.0	29.0	300.0

NOTES:

5 -Amp rating is given with factory installed pump

9- Required flow rate through system for anticipated results. Higher flow rates require a sidestream to system

10- Anticipated results obtained at 7.5 pH, 70°F municipal water. PPM is stated at 100% mass-transfer