

OZ-1 & OZ-2 OZONE GENERATORS



- ▶ *Creates powerful and reactive oxidizer on-site*
- ▶ *Neutralizes odors*
- ▶ *Kills bacteria and mold*
- ▶ *Oxidizes organics and suspended solids, causing easier solids separation, and clearer effluent.*

The Ozone (O₃) is generated by irradiating air or oxygen (O₂) with ultraviolet radiation. Ozone is a molecule of oxygen that is formed when three atoms of oxygen are bound together instead of the normal two atoms. The extra oxygen atom makes ozone a powerful and reactive oxidizer and sanitizer.

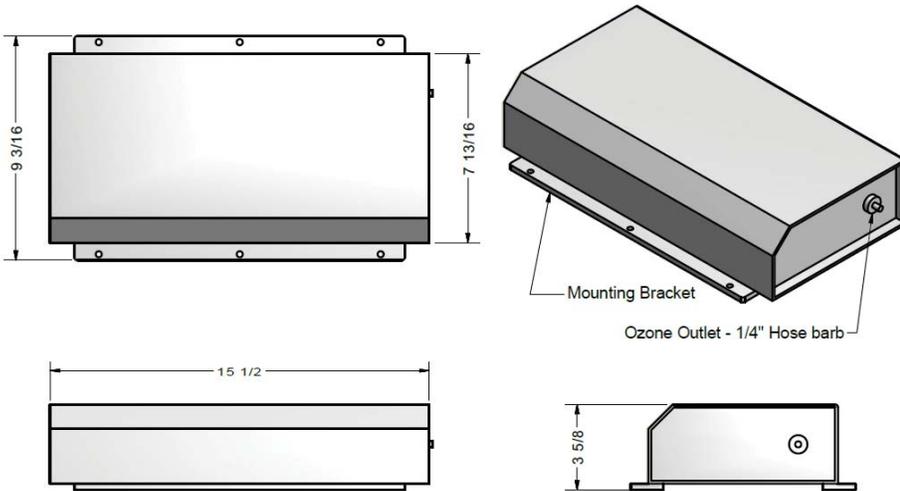
Since ozone is very reactive, and unstable, it quickly decomposes to normal oxygen under normal conditions, therefore it cannot be shipped or stored. It must be manufactured on site for immediate use. In normal air it lasts about an hour. In wastewater it lasts just long enough to effect the precipitation of solids and release into the air - less than 15 seconds. Although ozone is mainly thought of as a sanitizer, it acts primarily as an oxidizer that helps precipitate solids in liquid and neutralizes odors in the air.

The OZ-1 and OZ-2 help to efficiently manage shipboard wastewater systems by diffusing the O₃ in liquid and releasing the residual through the tank's vent system. The Ozone does two things when diffused in shipboard wastewater systems. It causes solids to separate from the liquid and reduces foul odors that may be generated in these tanks. When ozone is used in conjunction with chlorine in the chlorine contact chamber of the sewage treatment system, it helps oxidize the Total Suspended Solids (TSS) portion of the waste effluent, which results precipitation (separation of those solids from the water) and a reduction of combined chlorines. The result is a clearer effluent. The ozone that is released at the surface in the contact chamber is passed through the vent system connected to the treatment system helping to eliminate any unpleasant odor that could develop in the vent piping due to the moist warm conditions that exist in these pipes.

PART #	DESCRIPTION	MAX OZONE OUTPUT	VOLTAGE
OZ-1 OZONE SYSTEM			
OZ-1(115)	UV Ozone System	8 gm / per day	115V 60 hz
OZ-1(230)	UV Ozone System	8 gm / per day	230V 60 hz
OZ-1(230/50)	UV Ozone System	8 gm / per day	230V 50 hz
OZ-2 HI POWER OZONE SYSTEM			
OZ-2(115)	Hi Power UV Ozone System	24 gm / per day	115V 60 hz
OZ-2(230)	Hi Power UV Ozone System	24 gm / per day	230V 60 hz
OZ-2(230/50)	Hi Power UV Ozone System	24 gm / per day	230V 50 hz

OZONE GENERATOR DIMENSIONS

Model # OZ-1



Note: All Dimensions in Inches

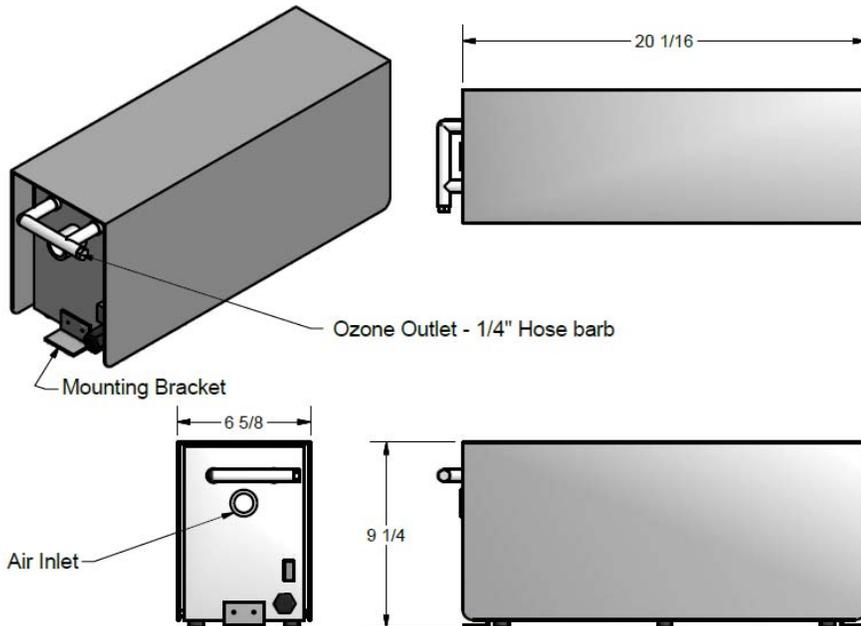
Each System Includes:

- Ozone Generator
- Injection check valve
- 10' section of tubing
- 4 Quick Clamps
- Uniseal for tank or vent pipe connection

Specifications

Air Flow - 8 ft³/hr max, or 3 ft³/hr at 50 inches water depth
 Production - 8 Grams O₃ daily
 Lifetime - 20,000 hr UV lamp life
 Shipping Weight- 10 lbs
 Operating Temp.- +25f. to +135 F
 Warranty - One Year

Model # OZ-2



Note: All Dimensions in Inches

Each System Includes:

- Ozone Generator
- Injection check valve
- 6' section of tubing
- 4 Quick Clamps
- Uniseal for tank or vent pipe connection

Specifications

Air Flow - 20 ft³/hr
 Max Production - 24 Grams O₃ daily
 Lifetime - 20,000 hr UV lamp life
 Shipping Weight- 22 lbs
 Operating Temp.- +25f. to +135 F
 Warranty - One Year