

SA-28 C Power Sterilizer Diffusion System



The World's Most Effective Diffusion Systems



Features

- Diffuses Ozone Gas Into Fluid
- Low Operating Costs
- Easy To Operate
- Sterilizes Organisms Upon Contact

Applications

- Waste/ Water Treatment
- Sterilization
- Aquaculture
- Agriculture/Horticulture
- Animal Enhancement
- Landscaping

Process

The SA-28 C Diffusion System has been designed for effective ozone gas to fluid diffusion. The process starts with the pump drawing water from the 75-gallon holding tank and passing it through a by-pass venturi system. The onboard oxygen generator then introduces oxygen into an ozone concentrator. The result is the production of 22 grams of ozone at 6% by weight per hour.

This powerful gas is introduced into the vacuum vortex and then diffused in the patented Sear Diffusion Chamber. Here a 5 micron sized bubble is created allowing for the mass transfer of gas to fluid. This now super ozonated water will then be reintroduced back into the holding tank where its powerful oxidizing abilities are able to sterilize organic matter and successfully kill bacteria, algae and other harmful pathogens. The Solution is applied through a pressure hose attached to the system designed to Sterilize Food process areas, Hospital areas, Animal barns and pens, Vegetable wash applications and any other applications requiring the use of a powerful effective Sterilizer. The finished product is safe to reuse or discard into a municipal wastewater source with no harmful effects.

Specifications

Pump Requirements

- 1- Prospec 1 1/2 HP Pumps
- Flow Rate: 30 US Gal/min per pump
- Pumps available in single or 3 phase
- Single phase 120 vac / 230 VAC, 18A / 9A per pump
- Typical Single Phase Power Consumption = 2.16KwH / 2.07KwH per pump
- 3 Phase Power Available upon Request
- 3Phase 600 VAC, 2.1A Per Pump
- Typical 600 VAC 3 Phase Power Consumption = 1.26 KwH per pump

Massie Injectors

- 1- Massie Injectors model number 1078A
- Will evacuated 21.2 LPM / Injector under normal conditions

Oxygen Generator

- 12 SCFH Oxygen @ purity of 93-95%
- 120vac / 220 vac
- 4A / 2A
- 50/60 HZ
- Typical Single Phase Power Consumption = 0.48 KwH

Automation

- Each System can be Factory Wired for optional Automated Devices

Physical Connections

- 1- Intake lines @ 1 1/4 " Standard Pipe
- 1- Discharge lines @ 1 " Standard Pipe

Dimension and Weight

- Width = 18"
- Length = 53"
- Height = 58"
- Weight = 125lbs Dry Weight

Warranty

- 1 Year and Parts and Factory Labor*

*Inadequate use of the Sear Diffusion System will void all Warranty.