

WWD Ozonation Systems



Overview

WWD Ozonation Systems are manufactured by Ozono Elettronica Internazionale of Milan, Italy. They have been producing ozone generators and associated equipment for over 35 years and have installed hundreds of systems in that time.

The WWD system is designed to ozonate industrial process water and wastewater. Applications include:

- Disinfection
- Color Removal
- Odor Removal
- Reduction of COD/BOD

The advantages offered by ozonation are the following:

- Fast disinfection of bacteria, viruses and spores (up to 3,000 times faster than chlorine) with short periods of contact
- Effective over a wide range of temperatures and pH
- Does not form harmful by products
- Does not create unpleasant odors
- Quickly oxidizes organic impurities

WWD systems produce ozonated water. The system includes air preparation (an air dryer), ozone generator, ozone/water mixing system (venturi injector), contact/degassing tank, ozone destruct system for off gas treatment and a pump to mix the ozone with the water and pump ozonated water to discharge or the process. All of the equipment comes in a single compact cabinet. Installation requires connecting power, compressed air and cooling water. The system is fully assembled and factory tested prior to shipment.

The table below provides specifications for the WWD Series of systems. A process flow sheet (P&ID) illustrates how the equipment is organized.

OZOLINE and STERILINE Systems are available from Spartan Environmental Technologies, Phone : 800-492-1252, Fax : 440-368-3569, e-mail : info@SpartanWaterTreatment.com, Web : www.SpartanWaterTreatment.com

WWD System Specifications

	Units	WWD 1	WWD 2	WWD 3	WWD 4	WWD 5
Treated Water Flow	gpm	2.2	4.4	8.8	22	44
Water Pressure	psi	44	44	44	44	44
Air Flow Rate	SCFM	0.22	0.44	0.88	2.0	4.0
Power Ozone Pump Power	KVA/W KW	0.25/0.125 0.65	0.4/0.2 0.65	3/0.4 .75	3/1.0 1.1	11/2.0 2.2
Ozone Production	lb/day	0.26	0.53	1.06	2.64	5.28
Dimensions, L x W x H	ft	2.62 x 2.62 x 6.89	2.62 x 2.62 x 6.89	2.62 x 5.25 x 6.89	2.62 x 5.25 x 6.89	2.62 x 5.25 x 6.89

WWD System Flow Sheet (P&ID)

