

Turnkey Ozone Injection System

Ozone Injection System in Weather-tight Enclosure

The OS-100 is a fully enclosed and automated ozone generation system. This unit is capable of preparing process air for ozone generation, generating the desired amount of ozone, and pressurizing it for use in soil remediation or water treatment. The equipment is kept at a constant temperature & humidity to ensure years of uninterrupted service.



Features

- Up to 60 gm/hr of ozone production on one skid (30 gm/hr shown)
- Up to 6 PPM dissolved ozone levels
- Can withstand all weather conditions
- Completely automatic operation reduces human intervention
- No maintenance for 2-5 years
- ASME stamped SS contact tank

Product ID: **OS-100**
Lead Time: **5 weeks**

Specifications

Safety Features	Ozone leak detection & equipment shutdown - external relay contacts can be initiated
Contact Tank Size	20 Gallons (76 liters)
Wetted Materials	304 & 316L stainless steel, Kynar, Teflon & Viton
Ventilation Fan	Yes - keeps enclosure positively pressurized to keep dust & insects out
Mobility/Placement	Comes with fork lift skids & lift hooks for easy placement
Controller Features	PLC Operation & Control Water Pump & Ozone Generator ON/OFF Control Ambient R.H. High Interlock Low Oxygen Pressure Interlock Ozone Leak Interlock High Temperature Interlock Total Ozone Production Hour Meter Individual Batch Treatment Hour Meter O2 gas flowmeter O2 Pressure Gauge External Relay Contacts for Power Up/Down (on bottom of controller)
Oxygen Concentration	45 SCFH of 90% O2 at 50 PSI
Pump Capacity	30 GPM @ 30 PSI
Ozone Mixing	High-Efficiency Vortex-Vane Static Mixer
Ozone Off-gas Destruct	Yes - via high efficiency ozone destruct catalyst
Cooling	Yes - via a 5000 BTU Air Conditioner
Power Required	220V/60hz 1-Ph (20 Amp)
Weight	950 lbs (432 kg)

OS-100 Front



This front view of the OS-100 shows the oxygen concentrator, oxygen tank & ozone generation equipment.

Air Vent on OS-100



The air vent on top of the OS-100 SS Contact Tank removes undissolved ozone & air to keep the tank full of ozonated water allowing an adequate contact time.

OS-100 Pipes



The water inlet, drain, relief valve, & water outlet pipes are all in one convenient location for easy hookup.

Controller & HC-30



Controller (top) & HC-30 Ozone Generator (bottom) provide the brains & brawn for ozone to oxidize contaminants and keep the system operational for many years.