

HiPro™ 500 HIGH PRESSURE OZONE SYSTEM

The complex process of delivering ozone gas at high pressure in stabilized and continuous concentrations for in Situ (in place) groundwater and soil remediation has been simplified with the HiPro™ 500 Ozone System.

The HiPro™ 500 is a fully integrated and automated pressurized gas delivery skid that produces up to 0.5 lbs./day (9.5 g/hr) ozone at 4 SCFM at continuous pressure of up to 40 psi with breakthrough pressures to 80 psi.

Patented technology delivers a high pressure ozone supply without compression. Patented technology delivers high pressure ozone without decomposition. (Compressing ozone results in up to 90% reduction in ozone concentration.)

Operation and uptime are simplified with the advanced PLC “touch-screen” control and is remote access ready*. The intuitive graphical user interface on the bright color touch-screen display is supported by custom software designed specifically for groundwater and soil remediation using ozone.

The ozone power is provided by Pacific Ozone Technology's High Pressure (HiPro™) Ozone Generator that uses Patented Floating Plate Technology™ and is fully integrated with a unique pressurized ozone feed gas process and reliable rotary screw compressor.

Easy to install, simple to operate, the HiPro™ 500 will provide years of trouble-free operation with proper care and maintenance.



HiPro™ 500 HIGH PRESSURE OZONE SYSTEM

FEATURES

- Stainless Steel Construction
- Air Cooled Ceramic & Titanium HiPro™ Reactor Cell
- High Pressure Feed Gas System
- 100,000 Hour Rotary Screw Air Compressor
- Over Pressure Safety Control
- Over Temperature Control
- Enhanced Mass Transfer Technology™
- Air Supply Monitor

CONTROLS

- Big 6" Color Touchscreen Display
- Fully Automated PID Variable Ozone Control
- 12 Port Manifold (Base Unit Equipped with 8 Valves)
- Ozone/Air Gas Flow Control
- Individual Well Ozone Injection Totalizer
- Data Logging and Historical Trending
- Optional Ozone Gas Detector/Ozone Analyzer*



The all stainless steel welded frame includes an integrated 12-port distribution manifold and NEMA-rated control panel. Ozone gas is delivered at pressure using reliable pneumatic ball valves. Flow, pressure, temperature and other critical parameters are monitored, controlled, and archived using only the highest quality components.



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Product Description: HiPro™ Ozone 500 System

Specifications:

Ozone Gas Production	9.5 g/hr - 0.5 lbs./day
Ozone Gas Flow	1 - 4 scfm (adjustable)
Max Injection Pressure	40 psi
Well Breakthrough Pressure	80 psi
Air Compressor	3.0 hp rotary screw
Air Dryer	> - 90%
Control	PLC
Ozone Gas Connection	0.5 inch fnpt
Max Power Consumption	5200 watts **
On/Off Breaker	40 ampere
Air Cooling Fan	240 scfm
Ozone Gas Detector	0.00/2.00 ppm (OSHA alarm presets)
Power Requirement	240 vac 50/60 hz, 1 phase
Height	76 inches
Width	40 inches
Depth	34 inches
Weight	716 lbs. **



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OPTIONS

- *Ozone Gas Analyzer
- *Ozone Gas Treatment Totalizer
- *Internet Web Access Telemetry
- *Multi-Point Ambient Ozone Detection
- *Pneumatic Valves (4 additional)
- *Shelters and Trailers (includes cooling and installation)
- *Extended Service and Maintenance Agreements
- *Auto Dialer Alarming

* Optional Equipment

** Estimated Values; see Product Documentation for actual power requirements and specifications

Note: 12 port manifold. Base unit includes 8 valves. Four additional valves optional.

HiPro™ and Floating Plate Technology™ are trade names of Pacific Ozone Technology, Inc.



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