

# Turnkey Groundwater Remediation System

1.5 lb/day ozone system for short or long term rental

OS-100 1.5 lb/day ozone system with 9 output wells for rental. This turnkey groundwater remediation is ideal for remote sites where a building is not available. Just provide 220V power in and connect the 9 air sparging lines for instant ozone delivery to each well.



## Features

- Monthly rental rates available
- 1.5 lb/day Ozone Output
- 9 Ozone Injection well outputs
- Up to 4 CFM airflow @ 25 PSI
- weatherproof enclosure
- minimal maintenance
- completely turnkey air sparging system
- 220V 1Ph power required
- customizable to your specifications

Product ID: **OS-100-1.5**

## Specifications

|                                  |   |
|----------------------------------|---|
| Ozone Output                     | 1.5 lbs/day (30 gm/hr)  |
| Ozone Production                 | 30 g/hr Ozone generated from 10 LPM Oxygen @ 4.5% by weight                             |
| Air flow Output                  | Up to 4 CFM additional sparge air is available  |
| Maximum operating pressure       | 25 PSI (continuous)   |
| Maximum output Pressure          | 40 PSI (intermittent use)   |
| Manifold                         | 9 ozone outputs separated in 3 banks of 3 wells each                                    |
| Air Conditioner                  | User settable timer will allow any time intervals to be used for ozone injection        |
| Compressor                       | 4000 BTU air conditioner will remove all heat and moisture                              |
| Mobility                         | Built in oil less compressors provide airflow for sparging and the oxygen concentrator  |
| Safety and Environmental Sensors | Lift hooks and fork lift stabs are built in for convenient mobility                     |
| Ozone Sensor                     | Sensor Function   |
| Temperature Sensor               | Detects ozone leaks and stops ozone production  |
|                                  | Monitors temperature inside the OS-100 enclosure, will shut down system prior to damage |

OS-100



Image shows the 9 outputs which are independently controlled with the flowmeters.

Swing Out Rack



The rack holding the ozone generators and PLC controller can swing out 120 degrees for full access to all connections.

OS-100



The OS-100 on site. A roof is required to keep direct rain and some weather away from the OS-100 the privacy fence is recommended on most remote sites.

the 9 output wells can be seen plumbed with Teflon tubing to PVC piping plumbed to each well head.

Ozone Flow is regulated with flow meters on each output.

## Manifold



This image shows the 15 well manifold. Each manifold output is flow regulated with a rotometer flow meter. Time intervals are user settable with the interface panel shown in the top right hand corner of the screen. Toggle switches are also provided to manually allow flow to each bank of wells.

The Autodialer system is shown in the top right hand corner. This system will call telephone numbers or send e-mails when errors or shutdowns occur. If connected to the internet this will allow remote access and monitoring of the system.