



Ozone Generator Trailer: 1.5 lb/day

Description

The Oxidation Systems trailer-mounted, ozone injection system was designed specifically for in-situ chemical oxidation. This system is field adjustable, mobile, and ready to mitigate source area, hot spots, and residual contamination. The ozone injection system can easily be moved from area to area, or from site to site, with little downtime. This unit is simple to install and operate: connect to your process piping, wire to the power supply, and immediately begin producing ozone.

This trailer-mounted system utilizes our innovative ozone pulse technology to inject 1.5 pounds per day of high concentration ozone (10% by weight) into injection wells at pressures as high as 75 psig. The pulse of ozone enters the subsurface at a high flow rate to maximize the radius of influence. The high-concentration ozone gas maximizes the mass transfer due to the increased solubility.

The ozone injection system includes everything necessary to produce high concentration ozone: the HC series ozone generator, a high-pressure oxygen concentrator, an ozone pulse tank, and integrated controls. This system includes six automatic solenoid valves with independent control. Ambient ozone monitor automatically shuts the system down in the event of an ozone leak.

Features

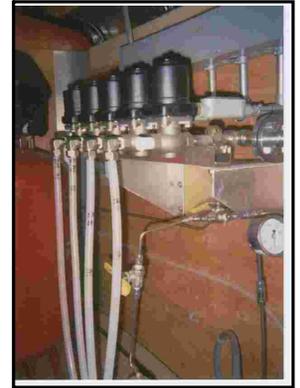
The 1.5 lb/day Trailer-Mounted Ozone Generator includes the following design features:

- High concentrations (up to 10% by weight) of ozone gas to maximize mass transfer
- High pressure ozone – up to a maximum of 70 psig
- Six automatic solenoid valves
- Small footprint – 66”wide x 96”long.
- Over-current shut-off to prevent damage to electronics and ozone cell, plus other safety features.
- PLC control with graphic operator interface

Applications

- Small source area “Hot-Spot” soil remediation that is not cost-effective or feasible to excavate
- Ozone sparging for mitigation of residual groundwater contamination
- Small sites where the logistics of placing a remediation system are infeasible
- Sites where 3-phase power is not available

This unit requires a 110 Volt, 60 Amp, 60 Hz, single-phase AC Power Supply.



The system includes automated solenoid valves that allow pulses of ozone gas to be injected into six sparge wells.

