## 

## GASBLASTER LSX SERIES Odor Remediation System

The Gasblaster LSX creates ozone and delivers it to a lift station or wet well for complete odor and VOC destruction via oxidation.

Effective (complete odor & VOC destruction) Low capital costs Minimal maintenance Small footprint No chemical or desiccant replacement Destroys odors inside the facility No expensive or bulky ducting No large energy-consuming fan or blowers

No dangerous chemicals





## **Operational Overview:**

Outside supply air enters the enclosure through one or more replaceable element gross particle air filters. The air supplies an internal air compressor. The compressed air is then passed through the ozone generator. A percentage of the oxygen in the airflow is converted into ozone. The ozonated air is then ducted to the blower on the side of the enclosure. The corona discharge ozone generator produces ozone resulting from the electrical discharge on multiple dielectric plates within the generator. Ozone (O3) or Tri-atomic oxygen readily gives up a single oxygen atom (O1). This single oxygen atom is free to combine with other airborne molecules. When the free oxygen atom combines with other molecules they are immediately destroyed through the process of oxidation. This process is complete and does not produce any hazardous byproducts and provides odor removal by oxidation

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## **Technical Overview:**

The odor remediation system shall be capable of generating 8 g/hr of ozone (LSX-100) 16 g/hr of ozone (LSX-200), and discharging it into a wetwell at a rate of 200 CFM @ 1.0" w.g (LSX-100) 400 CFM at 1.0" w.g.(LSX-200). The ozone odor remediation system shall be capable of varying the ozone production. Ozone odor remediation system shall include Gasblaster Model 200 LSX ozone production system and Enchlor Gas Detector Model 1700-O3(OPTIONAL), as manufactured by Enchlor, Inc.

The enclosure shall be for exterior applications measuring 36 inches wide by 18 inches high by 20 inches deep. The enclosure shall house the air compressor, ozone generator module and alarm indicator unit, providing weatherproof protection. The enclosure shall be of powder coated steel construction (316 SS optional) with a stainless steel keyed locking mechanism. The enclosure shall have an Intake filter hood, 4" hose(LSX-100) 8" hose(LSX-200) fitting for ozonated air discharge, a pre-wired socket for connections of the sensor cables to the internal alarm indicator unit, and 10 feet of external power cord. The air compressor shall be oil-less rocking piston pump rated for continuous operation at 4.90 CFM open flow at 30 PSI of pressure. The ozone generator shall be housed within the weatherproof enclosure, and shall include all controls and reactor cells necessary to generate ozone at a variable rate. The ozone generator shall be model Enchlor OEM-21(LSX-100) Enchlor OEM-22(LSX-200)

The Gasblaster LSX, odor control systems, are self contained in a weatherproof powder coated steel enclosure. The system enclosure measures 36"w X 18"h X 18"d. The system included and air intake hood with intake filter, air compressor, ozone generator, (LSX-200 includes two generators) control panel for dosage control and exhaust fan. The system comes complete with an installation set that includes 10' of duct hose (4" size for the LSX-100 and 8"size for the LSX-200) clamps, spare filters and operational and installation instructions

MODEL:	LSX	Α	, - <sub>-</sub>	В	, - <sub>-</sub>	С	 D
Suffix A: Capacity of System							
			-				
100: 0.5ppd Ozone Output							
200: 1.0ppd Ozone Output							
Suffix B: Enclosure							
1: Powder Coated Steel							
2: Stainless Steel							
Suffix: C: Control Options							
1: No Gas detection							
2: Gas Monitor-Single Sensor							
3: Gas Monitor-Dual Sensors							
Hydrogen Sulphide and Ozone Sensors Availabl	le specify w	hen or	derin	g			
				-			
Suffix D: Optional Items							

consult factory for custom features and options

Represented by:	