



GEOTECH

Soil Vapor Extraction Systems

The Geotech Soil Vapor Extraction system is designed to remove hazardous vapors from the subsurface by drawing air through contaminated soil, and volatilizing adsorbed phase pollutants. Geotech SVE systems are ideal for well point or trench type vapor barriers.

FEATURES

- **Compact, durable design**
- **Skid Mounted with moisture separator drum/mist eliminator**
 - 37 gallon (140 liters) liquid holding capacity
 - Hi Water level switch
 - Hi Vacuum switch
- **Continuous reliable operation**
- **Many blower types are available to meet your requirements:**
 - Regenerative
 - Rotary Claw
 - Positive Displacement (Rotary Lobe)
 - Rotary Vane
 - Centrifugal Fan
- **Thermal overload protection**
- **Influent dilution air valve**
- **Two vacuum gauges**
- **Optional NEC code available**
(Class 1, Div. 1, or Div. 2)
- **Non-explosive units are available**

OPERATION

The Geotech SVE system works by pulling air through soil that has been saturated with hydrocarbons or other volatile organic compounds, causing these compounds to volatilize. The vapors are then discharged to the atmosphere, through carbon polishing or vapor oxidation.

These systems are deployed with a moisture separator and mist eliminator filter to protect blower and end treatment from corrosion particulates and debris.

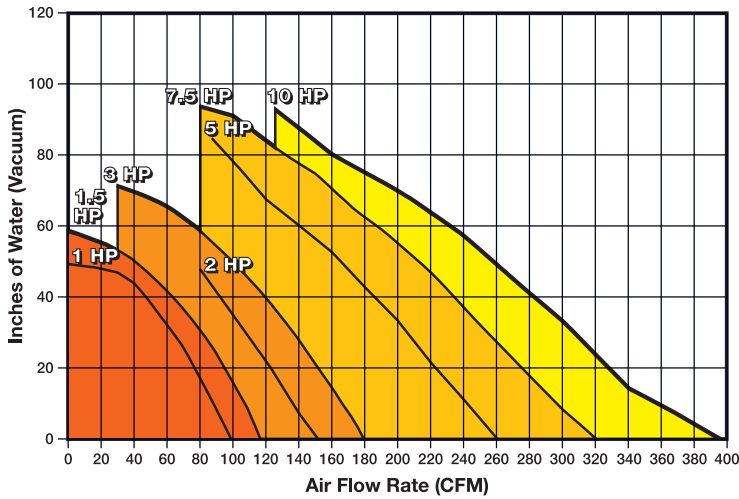
Every Geotech SVE system is factory assembled and fully tested for function, performance, and safety to meet the design conditions of each site application.



Regenerative Blower SVE inside optional hazmat enclosure



Regenerative Blower SVE



**Regenerative Type Blower
Soil Vapor Extraction System
Selection Curve 1 through 10 HP**

Note: Higher flow and vacuum versions are available.



**Regenerative Blower SVE
with optional Geotech Environmental Control Module**

SPECIFICATIONS

- Applications:** Well point or trench type vapor barriers
- Product Recovery:** Volatile Organic Compounds (VOCs)
- Dimensions:** 40" L x 48" W x 65" H
(101.6 cm L x 121.9 cm W x 165.1 cm)
- Options:** Geotech Environmental Control Module
Telemetry package
Influent or effluent silencer
Effluent sample port
Effluent temperature gauge
Local CFM display
Auto-Drain (this option features automatic water level control inside the moisture separator with an effluent transfer pump)

Power Requirements:

HP	Voltage	Phase	CFM/CMM	Inches H ₂ O Vacuum
1	115/230	1	0-95/0-2.7	50"
1.5	230	1	0-115/0-3.3	58"
2	230	1	80-145/2.3-4.1	55"
2	230	3	80-145/2.3-4.1	55"
3	230	1 or 3	30-185/85-5.2	72"
5	230	3	85-280/2.4-7.9	82"
7.5	230	3	80-325/2.3-9.2	93"
10	230	3	125-380/3.5-10.8	93"