Soil Vapor Extraction Systems

Geotech SVE

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.

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue • Denver, Colorado 80205
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Soil Vapor Extraction Systems

**Geotech SVE**

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

**Note:** Higher flow and vacuum versions are available.

**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:**

<table>
<thead>
<tr>
<th>HP</th>
<th>Voltage</th>
<th>Phase</th>
<th>CFM/CMM</th>
<th>Inches H₂O</th>
<th>Vacuum</th>
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<tr>
<td>1</td>
<td>115/230</td>
<td>1</td>
<td>0-95/0-2.7</td>
<td>50°</td>
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</tr>
<tr>
<td>1.5</td>
<td>230</td>
<td>1</td>
<td>0-115/0-3.3</td>
<td>58°</td>
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</tr>
<tr>
<td>2</td>
<td>230</td>
<td>1</td>
<td>80-145/2.3-4.1</td>
<td>55°</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>230</td>
<td>3</td>
<td>80-145/2.3-4.1</td>
<td>55°</td>
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</tr>
<tr>
<td>3</td>
<td>230</td>
<td>1 or 3</td>
<td>30-185/85-5.2</td>
<td>72°</td>
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</tr>
<tr>
<td>5</td>
<td>230</td>
<td>3</td>
<td>85-280/2.4-7.9</td>
<td>82°</td>
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</tr>
<tr>
<td>7.5</td>
<td>230</td>
<td>3</td>
<td>80-325/2.3-9.2</td>
<td>93°</td>
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<tr>
<td>10</td>
<td>230</td>
<td>3</td>
<td>125-380/3.5-10.8</td>
<td>93°</td>
<td></td>
</tr>
</tbody>
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