The Geotech Air Sparge System is designed to provide positive air pressure into the subsurface thus aiding the volatilization and biodegradation process associated with soil vapor extraction technology.

Geotech rotary claw compressor systems are custom designed to meet your air flow and air pressure requirements where rotary lobe and rotary vane systems can not economically meet the discharge flow/pressure requirements, for example over 30 cfm (.85 cmm) and pressure ranges of 15-30 psig (1-2 bar).

**FEATURES**
- TEFC motor
- Heavy duty rotary claw compressor
- Compact size
- Low maintenance

**GENERAL PRINCIPLE**
The Rietshle Zephyr Rotary Claw utilizes two nearly symmetrical, non-contacting claw rotors that sweep the inlet of the compressor creating internal compression without friction or lubrication, creating two discharge strokes per revolution. The dry, contactless design eliminates pollution, product contamination, and other environmental issues.

**APPLICATIONS**
By injecting air directly into the groundwater, the Geotech Air Sparge System remediates groundwater by volatilizing contaminants and enhancing biodegradation. Contaminants are removed from groundwater by physical contact with air and are carried up into the unsaturated zone (i.e., soil). As the contaminants move into the soil, a Geotech provided soil vapor extraction system can be used to remove vapors from the subsurface.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Horsepower</th>
<th>Max Flow CFM</th>
<th>Max Pressure PSIG</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLR 60</td>
<td>5</td>
<td>40</td>
<td>29.0</td>
</tr>
<tr>
<td>DLR 100</td>
<td>5, 7.5, 10</td>
<td>70.6</td>
<td>11.6, 23.5, 31.9</td>
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<tr>
<td>DLR 150</td>
<td>10, 15</td>
<td>100</td>
<td>17.0, 29.0</td>
</tr>
<tr>
<td>DLR 301</td>
<td>15, 20, 25</td>
<td>190</td>
<td>14.5, 26.0, 32.0</td>
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<tr>
<td>DLR 401</td>
<td>25, 30</td>
<td>272</td>
<td>23.0, 29.0</td>
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<tr>
<td>DLR 501</td>
<td>30, 40</td>
<td>353</td>
<td>20.0, 29.0</td>
</tr>
</tbody>
</table>

**OPTIONS**
- Explosion proof motor
- Pressure switches
- Temperature gauges
- Temperature switches
- Pressure relief valves
- Discharge check valve
- CFM gauges
- Control panels – to integrate with soil vapor extraction systems and other equipment

**CALL GEOTECH TODAY (800) 833-7958**

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