



Direct Solar Powered Vapor Extraction and Air Injection System The Future of Remediation

The Sustainable Technologies' VariSun Solar Pumping System provides the power for 3 phase extraction and injection blower systems.

Sustainable Technologies is proud to present the 2nd generation of VariSun Direct Solar Remediation System. The VariSun systems work with direct solar energy. These Solar systems are self-contained; they are ready to pump upon delivery. The total set-up is just 2 to 3 hours. Our line of Vapor extraction and Air Sparge systems is modular; they come in 3 HP, 5 HP, 7.5 HP and 10 HP. The 10 HP; 3 phase blower will require 4 pods to run. These systems are ideal for sites when power is unavailable or where it's too costly or takes too long to get service. Since the systems are mobile and self-contained; a building permit is not required in most cases; further reducing the deployment time and cost.

Additionally, Sustainable Technologies has a rental fleet that is great for tests since it can be deployed as soon as the client is ready. Our Control system senses the energy available and the work that the blower is doing. The VariSun controls adjust the blower accordingly. The VariSun Remediation systems operate 10 to 12 hours per day in the summer months. About 6 hours the system will run at full speed; the rest of the time at partial flow and vacuum or pressure.



VariSun Solar Vapor Extraction Systems



Rental Pricing:

3HP \$2,200/month

5HP \$3,200/month



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Solar Remediation



SPECIFICATIONS

VARISUN Solar Vapor Extraction Systems	VS-VE03	VS-VE05	VS-VE7.5	VS-VE10
Rated Power, KW	2.7	5.40	6.75	8.1
MAX Pump HP rating	3	5	7.5	10
Voltage , 3 Phase VAC	240	240	240	230/480
Max Flow Max Vacuum	70 cfm, 50" H2O	200cfm, 100" H2O	300cfm, 135" H2O	400 cfm, 150" H2O
Total Footprint, FT	11' x 12'	23' x 12'	33' x 12	44' x 12'
Number of pods	1	2	2 or 3	4
VARISUN Direct Solar Air Sparge Systems	VS-AS03	VS-AS05	VS-AS7.5	VS-AS10
Rated Power, KW	2.7	5.40	6.75	8.1
MAX Pump HP rating	3	6.00	7.5	10
Voltage , 3 Phase VAC	230	230	240	230-480
Max Flow Max Pressure	30 cfm 12 psi	40 cfm 12 psi	70 cfm 10 psi	370 cfm 22 psi
Footprint, FT	11' x 12'	11' x 12'	33' x 12	11' x 12'
Number of Pods	1	2	2 or 3	3



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Solar Remediation

The vapor extraction air sparge systems are mounted inside the Self standing solar pod. One 3 KW pod can run a 3 HP, 240 VAC, 3Phase blower. The pod wings fold down for transportation allowing the systems to be shipped or to be transported and deploy on flatbed trailer.

A 20 foot flatbed trailer can transport two pods at a time. The Vapor Extraction systems come with Gardner-Denver Regenerative blowers; a steel 50 gallon water knockout tank with high level switch, 4 well manifold. An Air flow meter and vacuum transducer are standard on the units. An optional Telemetry package connects the system to the internet. The Air Sparge Systems use a Gardner-Denver rotary claw blower for efficiency and reliability. The custom manifold includes rotor meters and pressure indicators.

We design and build systems customized to fit your project site.

VariSun Remediation Systems are fast to deploy, cost effective, clean, simple and very reliable.

The future of remediation



Contact:

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Sustainable Technologies has been building and installing remediation systems since 1999