



VAPOR EXTRACTION UNIT

VEU



QUALITY ENGINEERED. QUALITY BUILT. QUALITY SURVIVES.

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The **VAPOR EXTRACTION UNIT (VEU)** extracts gas from saturated soil, pinpoints leak location, facilitates more timely repair and in the process delivers dramatic reductions in earthwork and pavement costs.

The VEU pinpoints difficult to locate leaks. The VEU creates vacuum at a series of boreholes over known areas of gas saturated soil. The high volume VEU rapidly extracts gas from saturated soils and can be used to follow paths of gas migration to the leak source. Through a process of elimination, most leaks can be pinpointed to within 18 inches horizontally of vertical location.

The powerful VEU is designed for rapid remediation of gas saturated soils. Sites that would have taken months to clear with historical means are done in days with the VEU. Sites that would have taken days are completed in hours. Rapid remediation and pinpointing of leak location results in minimum soil excavation and pavement destruction. Cost reductions in earthworks and pavement repair are significant.

The VEU's vapor extraction and leak locating capabilities are enabled by a patented means of performing these functions safely. A LEL sensor continuously monitors flow through the VEU and provides a real time digital readout of the gas/air concentration. Responding to the digital readout, the VEU operator manages the gas/air ratio below an established threshold by adjusting a gas/air mixing apparatus. The sensor system initiates an audio-visual alarm if the gas concentration reaches a selected percentage of LEL. In the event the percentage of LEL exceeds a secondary threshold, the VEU automatically shuts down.

The VEU is capable of running up to 18 probes simultaneously. In an alternative mode, a 3 inch hose can be inserted into a storm sewer or other enclosed area for rapid gas evacuation. The VEU moves up to 850 cubic feet of gas/air mixture per minute.

The VEU is available in skid-mounted or trailer mounted packages. Probe kits priced separately.

Patented



VEU AVAILABLE IN TRAILER MOUNTED OR SKID MOUNTED VERSIONS.



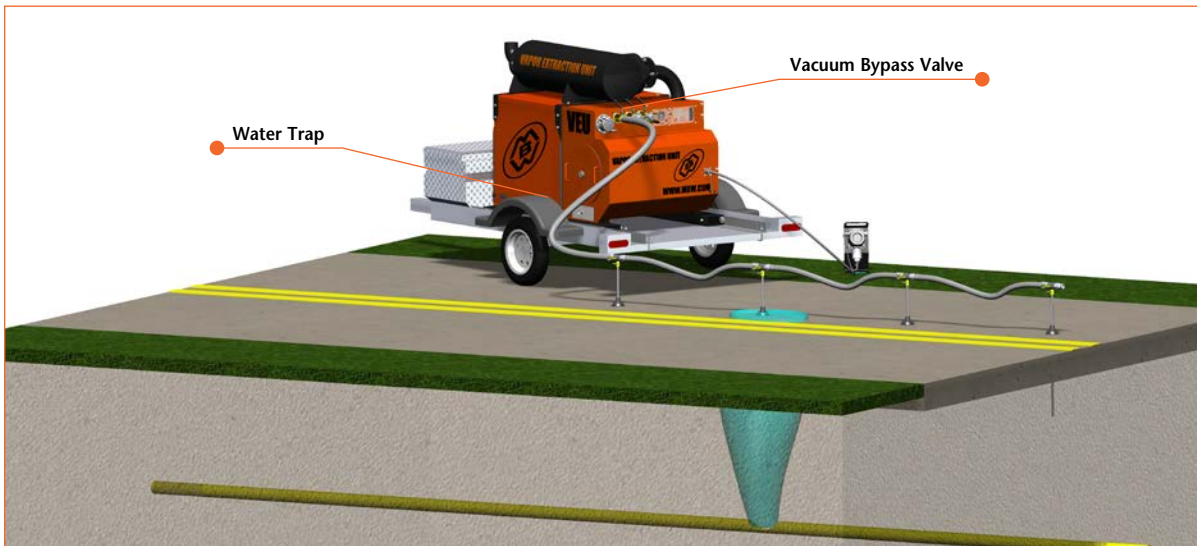
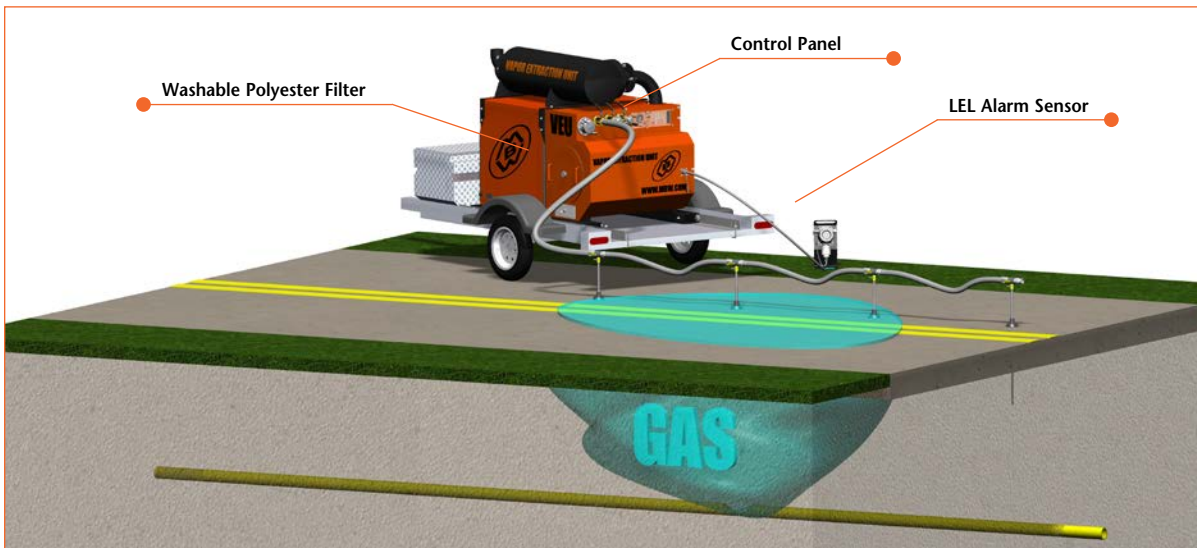
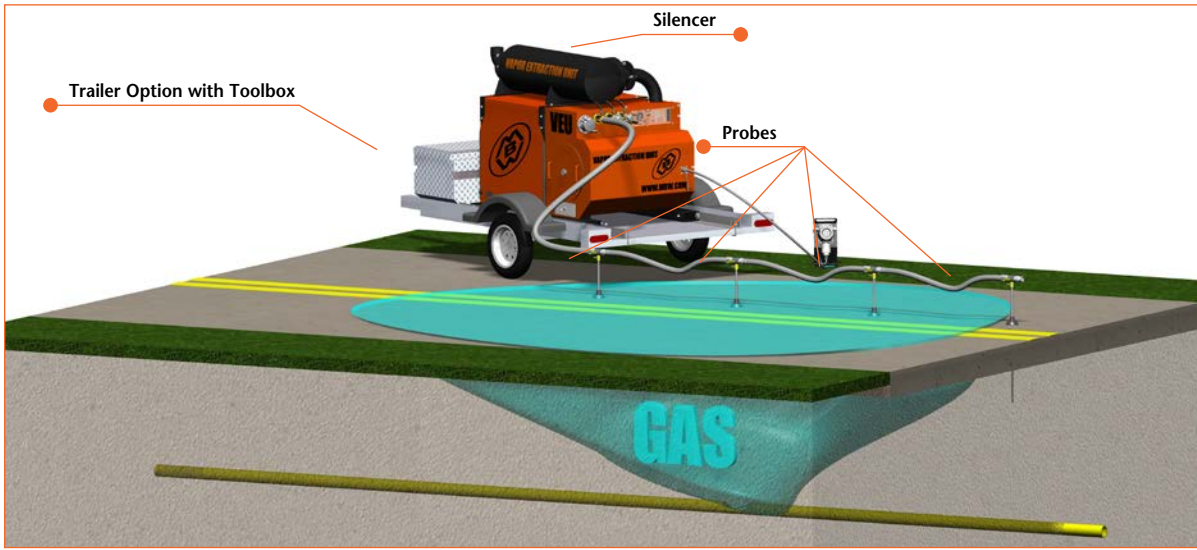
LEL SENSOR PROVIDES REAL TIME DIGITAL READOUT OF GAS CONCENTRATION AND INITIATES ALARM AND/OR AUTO SHUT DOWN SHOULD GAS LEVEL EXCEED SELECTED THRESHOLDS. OPERATOR ADJUSTS GAS/AIR MIXING VALVE TO MAINTAIN GAS CONCENTRATION WELL BELOW LEL.

| VEU SPECIFICATIONS | VAPOR EXTRACTION UNIT |
|------------------------|------------------------------------|
| Weight | 1,430 lb (648 kg) |
| Height | 47.5 in (113 cm) |
| Width | 43 in (109 cm) |
| Length | 65 in (165 cm) |
| Engine | Isuzu 3CH1 Tier IV |
| Fuel Consumption | 1.0 max gal/hr |
| Fuel Tank | 8 Gallon (30.2 l) |
| Blower | Tutthill 850 CFM |
| Operating Noise Level* | 90-100 db |
| Gas Monitor | Industrial Scientific Itrans w/LEL |
| Alarm Threshold | 35% LEL |
| Engine Stop Threshold | 50% LEL |

(*) Metric Measurements. Specifications subject to change without notice.



VAPOR EXTRACTION PROCESS AND PINPOINTING



VEU ACCESSORIES

PROBE KIT (19051)

EVERYTHING YOU NEED TO GET YOUR VEU STARTED...

- 6 - PROBES
- 5 - 5 FT. FOOT HOSES
- 1 - 25 FT. HOSE



TRAILER KIT (20357)



MAN HOLE KIT (19874)

20' OF 3" HOSE IN 4' SECTIONS W/ COUPLERS & SAFETY NOZZLE



PARTS KIT (20350)

ISUZU ENG, VEU 854 MAINTENANCE PARTS FOR VEU



SENSOR CALIBRATION KIT (19279)



5' HOSE (19049)



25' HOSE (19050)



PROBE (19184)



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