

Soil Vapour Extraction (SVE)
Multi-phase Extraction (MPE)
Soil Pile Venting
Pilot Trials



SYSTEM FEATURES and SPECIFICATIONS

- **Roots vacuum blower**, 5.5kW motor, air dilution valve, vacuum relief valve
 Air flow maximum 300 m³/hour @ zero vacuum
 Maximum vacuum to -50 kPa (approx 120 m³/hour). At -25kPa, flow is approx 215 m³/hour
- **Liquid-vapour separator (LVS)** two stage with demister
 Sight glass housing three level sensors for automated control of discharge pump and High-High shut off
- **Liquids transfer pump**, automatic or manual operation
 Typical flow rate 30-40 litres per minute, variable with operating vacuum on LVS
- **Air-Air heat exchanger** on vapour stream after blower discharge, cooling air prior to entry to GAC bed
- **Granulated activated carbon (GAC)** filter drums for treatment of volatile organic compounds (VOC's) in vapour stream: 2 x 200L drums, each containing approximately 70kg V-GAC
- **Hoses & camlock fittings** supplied for all main process connections to the trailer unit
- **Data points:**
 - Vacuum and pressure gauges
 - Temperature indicators pre-blower and pre GAC drums
 - Access points for air flow (anemometer), temperature or for sampling
 - Sampling points for vapour and liquids
 - Volumetric flow meter (totaliser) on liquids discharge line
- **Safety:**
 - ExE motors, wiring for Zone 2, include intrinsic barriers. Earthing wire and stake
 - System shut down at high level on liquids transfer tank
 - Vacuum relief valve
 - Emergency stop button
 - Fire extinguisher (9kg) provided with trailer unit
- **Power requirements:** 3 Phase 415 V, 50 Hz. Power lead: 20 Amps socket with neutral (5 pin)
 Minimum generator capacity required is 20 kVA
 10 meter power lead and a phase rotation adaptor comes with the unit
- **Handy Toolbox:** 1 m x 0.4 m x 0.4 m (high)
- **Overall Dimensions:** 3.9 m x 2.4 m x 2.5 m (high). **Total Gross Weight:** 1.6MT (includes hoses)