

**REMEDIATION SYSTEM PILOT TRIAL UNIT
MPVE or SVE
TRAILER MOUNTED**



Specifications:

Vacuum blower:	Air flow 300 m ³ /hour @ -5 kPa Vacuum to -60 kPa (60 m ³ /hour) (performance with cooling system and GAC connected)
Liquids pump:	Max. discharge head: 150 kPa Max. pumping rate: 60 LPM
Vapour GAC:	2 x Drums, Each 40 litre bed, Approx 15kg GAC
Power:	3 Phase 415V, 50 Hz, 20 Amps with neutral (5 pin) Control Panel - 240V

System Features:

- MPVE and SVE capability
- Vacuum blower (Roots), air dilution valve, vacuum relief valve
- Removal of Volatile Organic Compounds (VOC's) from vapour stream through two GAC filter drums
- Fluids-vapour separation in a conical cyclone type separator
- Liquids transfer tank with sight glass for observation of LNAPL. Three level control points for automated control of discharge pump.
- Liquids transfer pump: automatic operation controlled by level sensors and PLC; manual speed control
- Vapour stream cooling system (fan and radiator) between blower exhaust and GAC drums
- Data collection:
 - Vacuum and pressure gauges
 - Thermometers pre-blower and pre GAC drums
 - Access points for anemometer measurement of air flow and temperature, or for sampling
 - Sampling points for collection of vapour and liquids
 - Sight glass on liquids transfer tank to observe PSH-water interface
 - 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 relieve valve (-70 kPa), emergency stop button
- Handy toolbox: 1meter long x 430mm wide x 400mm high
- Power requirements: 3 Phase 415 V, 50 Hz, 20 Amps with neutral (5 pin)
Minimum generator capacity required is 20 kVA
10 meter power lead and a phase rotation adaptor supplied with the unit