



## Multi Phase Vacuum Extraction Pilot Pack MPVE-PP

The Multi Phase Vacuum Extraction Pilot Pack MPVE-PP contains several technologies packed with into a single 10' ISO shipping container. The low energy requirements make it ideal for pilot extraction and treatability trials.



The combined set includes a regenerative blower with close coupled knock-out and carbon scrub drums, oil water separator with an externally located product drum with integral overflow protection, a groundwater treatment pack and the primary multi phase vacuum extraction set. Capable of removing separate phase, dissolved phase and vapour phase hydrocarbons from a maximum depth of 5 metres with an applied vacuum of up to -85kPa at a flow rate of up to 1.2 Litres per minute per well.

It has been designed to operate as a test bed for hydrocarbon impacted sites. The MPVE-PP can be operated completely independently or configured to accept enable/disable interlock signals from other stand alone equipment such as an electrically heated catalytic oxidizer.

### Base System Components

Control Panel with Emergency Stop	2 x 50mm-2 x100mm Pneumatic Pumps
Stand Alone Air Compressor	Steel Knock-Out & Carbon Drums
Dilution and Carbon By-Pass Valve	205 L Steel Product Drum
12 L/min Air Compressor	4 x Inlet MPVE Pack
Regenerative Blower	Collapsible Manifold & Exhaust Stack
Groundwater Treatment Pack	Oil / Water Separator
Gauges, Test & Sample Points	Telemetry and Remote Restart
Optional Instrumentation Rental Pack	Containerized System

### Turning liabilities into assets

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## Specifications

Nominal Air Flow:	25 SCFM (40m <sup>3</sup> /hr)
MPVE Inlet Connections:	4 x 1/2" (4 x 16mm)
Nominal Fluid Flow:	70Gal/hr (4.5 L/min)
Maximum Stack Height / Diameter:	15'(4.5m) Above Ground 2" (50mm)
Maximum Hydrocarbon Concentration:	15% of the LEL
Process Blower:	2hp (1.5kW)
Air Compressor:	190Gal/hr (12 L/min)
Noise Level (Closed):	<85 dBA at 10' (3m)
Power Requirements:	415V AC 3Phase N+E 32Amp
System Weight:	4,625 lb (2.1 Tonne)
System Dimensions:	Converted 10' (3m) Shipping Container



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