

# high airflow/vacuum

*materials handling*

Materials recovery using high vacuum machinery provides a solution that:

- Minimises the requirement for man entry
- Reduces the number of crew due to radio controlled operation
- Uses an in-built sub-micron filtration system to remove airborne particles, protecting the environment
- Reduces manual handling risks using hydraulic boom

**Veolia Environmental Services operate one of the largest and most versatile material handling fleets in the United Kingdom.**

## High Airflow Vacuum Machine

This specialised vehicle is capable of uplifting and handling solids, liquids, sludges, dry powders and filter media from a variety of situations, including carbon filter vessels, pits, tanks and silos.

The High Vacuum Airflow Tanker (HVAT) transports material by moving large amounts of air through an inlet hose boom, where the vacuumed material enters a debris tank via a cyclone. The machine can remove material from vertical depths of up to 45 metres and horizontally in excess of 220 metres. This avoids the need for man entry and reduces confined space work in vessels and tanks.

Material vacuumed into the machine can be transferred to existing on-site storage facilities or licensed disposal facilities in-line with current legislation.

Specialised high-airflow vacuum containers or a bagging hopper system enables the material to be removed via normal transportation methods. This allows the clearance work to continue, reducing time off-site and cutting the cost of disposal in tonnage and transport logistics.

The HVAT is built to Vacuum Tanker ACOP Flammable 3A Regulations and can work in all industrial and non-industrial activities or applications.



# a safe, environmentally friendly method of material removal

## Combined services

As the market leader in this type of activity we can combine other site service activities to effectively manage risk, minimise disruption and cost whilst ensuring health, safety and legislative compliance.

We undertake site inspections in order to provide a specific method statement and risk assessment for every project. This ensures the project achieves the highest standards of health, safety and environmental practice and meets the requirements of the customer.



## Capacity and capabilities

- Max Vacuum/negative pressure – 800mbar
- Max Permitted positive pressure 800mbar
- Air quantity (no Load) 7800M3/Hr
- Air quantity in positive pressure 4200-7800M3/Hr
- Debris tank stainless steel capacity 12M3 on site
- Road engine has spark arrestor and Chalwyn valves fitted
- Payload on public Highway on largest vehicle (on board weight indicators fitted) 8.5 Tonne
- Built to L19 ACOP category 2,3A & Toxic 4 with adapter for exhausted air

## A dependable service partner

Veolia Environmental Services' industrial services arm operates from a network of regional depots in the UK. We offer an impressive range of tailored solutions and services to many industry sectors including:

- High-pressure water jetting
- Tank cleaning
- Emergency environmental remediation
- Chemical cleaning

To find out more please contact:

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