

APPLICATION

- Waste industry.
- Petrochemical industry.
- Oil and gas industry.
- Refineries.
- Chemical industry.
- Construction industry.
- Steel industry.
- Aluminum industry>
- Paper pulp industry.
- Poultry farms.
- Manufacturing industry.
- Infrastructure sector.
- Maritime/shipping sector.
- Aviation industry.
- Automotive industry.
- Food and feed industry.
- Medical sector.
- Defense industry.
- Agriculture industry.

Safety Information



The IVT SUPERVAC industrial vacuum loader with cyclone separator is designed for heavy industrial applications and is suitable for suctioning, displacing (option), transporting and discharging dry, wet and hazardous substances, such as various types of catalyst, gravel, powders, fly ash and sludge. Specially developed for working with hazardous and contaminated substances, the system is available in ADR / API versions and built-in accordance with all applicable safety standards.

BENEFITS:

- Single mode filtration system.
- No change over from wet to Dry substances.
- Efficient suction of heavy and dense materials.
- Faster sludge tank filling, improving operational efficiency.
- Powerful and consistent suction performance.
- Sustainable and reliable long-term operation.
- Simplified and easier maintenance.
- Low maintenance and operating costs.
- Oil-free tri-lobe vacuum pump technology.
- Designed and manufactured in compliance with the latest environmental and safety standards.





Designed And Certified For

- Assembly on a 3 axle truck with min, 360hp chassis.
- Transportation of hazardous substances.
- ADR/API 2219 requirements.

Pressure / Vacuum tank

Valume :	12 m3
Material :	Stainless steel AISI 316L grade; material no 1.4404 (carbon steel as option)
Rear door:	Hydraulically opening and clamping
Discharging :	6" discharge connection with ball valve
Loading :	By means of suctioning
Including :	8" 6" suction with knife gate valves

Vacuum pump & vacuum system

Type:	Tri lobe air injection blower
Capacity:	9000 m3/h
Max. Vacuum:	96%
Piping:	12" -10" air ducts
Drive:	Direct mechanical drive from the main PTO transfer case
Including:	Silencers with hinged exhaust stack (Optional)

Clean water tank (Optional)

On behalf of:	High pressure pump
Volume:	1000 liter
Material:	Stainless steel
Including:	Low level protection

High pressure Kit (Optional)

Pump type:	Plunger Triplex
Pressure & flow:	150 bar & 61 LPM
Hope reel:	Manually operated 1/2" x 30m
Including:	High pressure gun

Compressor Kit (Optional)

Type:	Oil free vane type
Flow:	480 m3/h
Pressure:	2 bar
Including:	Nitrogen purging system

Suction (Boom) (Optional) Non-ADR

On behalf of:	Suctioning and Excavation jobs
Diameter:	8"

Dimensions

Length:	Approx. 10,000 mm
Width:	Approx. 2,550 mm
Height:	Approx. 3,900 mm

Weights (Chassis dependent)

Empty Weight:	Approx. 22 tons
Max. permissible weight:	33 tons

ADR safety kit (Optional)

Consisting of Rupture disc, earth monitoring system, Chalwyn valve, Pneumatic lock on the valve, hydrotest, ADR label holders, Double insulated wiring, ATEX certified blower, ADR certification for truck, inspection report,

Standard Safety provisions

Consisting of Hose rupture safety valve on behalf of the rear door & tipping cylinder, beacon light, emergency stop, tip unbolting protection, tank safety support, catwalk, rear door clamp protection, earth reel and tipping protection and fire extinguisher.

Miscellaneous

Provisions: Working light, rear bumper, side guards, stainless steel control box, hose tray, toolbox.

Body inspection: : Arranged by IVT.

Instruction Manual: Consisting of operating / maintenance instructions and schedules.

