

APPLICATION

- Waste industry.
- Petrochemical industry.
- Oil and gas industry.
- Refineries.
- Chemical industry.
- Construction industry.
- Steel 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 POWERVAC LTS is specifically designed for suction, transporting, and unloading of liquid and hazardous substances such as liquids, sludge, fats, oils, fuels, and chemicals in the (heavy) industry. This robust machine operates gently with a 2500m³/h liquid ring vacuum pump. Specially developed for working with hazardous and contaminated substances, the truck is available in ADR/API 2219 versions and built-in accordance with all applicable safety standards.

BENEFITS:

- Higher payload handling capacity due to semi-trailer configuration.
- Efficient suction of heavy sludges.
- Faster sludge tank filling, improving operational productivity.
- Powerful and consistent suction performance.
- Sustainable, long-term operational reliability.
- Advanced filtration system with self-cleaning cyclone technology.
- Reduced frequency of service water replacement.
- Low service water consumption.
- Lower and simplified maintenance requirements.
- Extended vacuum pump service life.
- Oil-free vacuum pump design.
- Quieter operation with reduced noise levels.
- Capability to discharge material at heights up to 20 meters.
- Designed and manufactured in compliance with the latest safety and environmental standards.





POWER VAC LTS

Designed And Certified For

- Assembly on a 3-Axle trailer.
- Chassis in combination with 16t kingpin.
- Transportation of hazardous substances.
- ADR/API 2219 requirements.

Pressure / Vacuum tank

Volume :	23 m ³
Material :	Stainless steel AISI 316L grade; material no 1.4404
Rear door:	Hydraulically opening and clamping
Discharging :	By means of tipping and pressurizing
Loading :	By means of suctioning
Including :	6" suction / discharge connection with ball valve

Service water tank

On behalf of:	cooling the vacuum pump
Volume:	1500 liter
Material:	Stainless steel
Including:	Hinged exhaust stack

Vacuum pump & vacuum system

Type:	Liquid Ring ATEX Certified
Capacity:	2500 m ³ /h
Max. Vacuum:	90%
Drive:	Hydraulic from gearbox PTO

Clean water tank

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

High pressure

Pump type:	Plunger Triplex
Pressure & flow:	200 bar & 30 LPM
Hope reel:	Manually operated 1/2" x 30m
Including:	High pressure gun

Compressor

Type:	Oil free vane type
Flow:	200 m ³ /h
Pressure:	2 bar
Including:	Nitrogen purging system

Dimensions (Chassis dependent)

Length:	Approx. 11,000 mm
Width:	Approx. 2,550 mm
Height:	Approx. 3,700 mm

Weights (Chassis dependent)

Empty Weight:	Approx. 20 tons
	excluding tractor head
Max. permissible weight:	45 tons including tractor head

Standard Safety provisions

Consisting of: API 2219 safety kit, rupture disc, 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 earth monitoring system, 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.

