



FLUID VAC # FOR DRY AND WET SUBSTANCES (CYCLONE TECHNOLOGY)

Our equipment, partly automated and beneficial to serve various industrial applications is engineered and designed to collect or transport hazardous products in a safe and efficient way.

- The air displacement system with cyclone separator (also called: vacuum tanker with cyclone separator) is designed for heavy industrial applications.
- This is suitable for suctioning, displacing (option), transporting and discharging dry, wet and hazardous substances,
- such as various types of catalyst, (roof) gravel, powders, fly ash and sludge. Specially developed for working with hazardous and contaminated substances, the system is available in ASME, ADR and ATEX (Ex) (pump system) versions and built in accordance with all applicable safety standards.



Designed and certified for:

- assembly on a 3-axle, min 400 HP chassis.
- suctioning, displacing (option), transporting and discharging dry, wet and hazardous substances, such as sludge, sand, (roof) gravel, fly ash, powders and various types of liquids.

Product features

- Easy control
- Self-cleaning cyclone separation
- Built to the latest environmental and safety standards.
- This is the perfect vacuum tanker for heavy duty suction, displacement, and transportation activities in the construction and (petro) chemical industries and for all general industrial applications.
- The powerful tri-lobe blower gives the vacuum tanker with cyclone separator a very high suction and displacement capacity, which makes it possible to process and transport large quantities of dry substances, liquids, gravel, sand, etc. in a very short time. The user benefits from significant time savings and a huge reduction in cost.
- Vacuum with 188 kW, suitable for 6" (DN 150) hoses, max 96% under pressure; blowing with **1,050 mbar overpressure**.
- Self-cleaning cyclone separation keeps the cyclones dust free at all times



PRESSURE VACUUM TANK

Volume-12 m³, excl. cyclone separator.

Material-stainless steel AISI 304/316grade, material .

Rear door hydraulically opening and bolting.

Discharging by means of tipping (45°) or air displacement.

Loading by means of suctioning or through the manhole on top.

Including 6" suction connection with coupling as desired, followed in a 6" elbow.

6" discharge connection provided with shut-off valve with coupling as desired, on the rear door (excluding quick-exchange system).

<http://www.utcindustry.com/>
Email- Pneumaticguru@gmail.com

UTC INDUSTRIES
Greater Noida (INDIA)



VACUUM PUMP DETAILS

Type: Tri-lobe blower.//HIBON (Air injection blower)

Air displacement: 188 kW, suitable for suctioning with 6" (DN 150) hoses.

Max. vacuum: 96%.

Max. overpressure: 1,050 mbar.

Drive by means of a crank shaft and V-belt transmission from the fly wheel PTO.

Including silencers.



Cyclone separator device

Design- 2x 4 cyclones on behalf of separating particles.

Provisions separator tank with a vacuum return system in combination with an air cleaning system (air shock system/air return current) on behalf of cleaning the cyclones and filter elements.

Including cyclone/filter cleaning by means of a programmed 3 positions pulse time/interval switch, adjustable from the control panel. Level indicator (wet/dry) in the collecting receptacle.

air current separation system in the separator tank.

Safety filter each cyclone is equipped with its own fine dust safety filter with a standard filter.

<http://www.utcindustry.com/>
Email- Pneumaticguru@gmail.com

UTC INDUSTRIES
Greater Noida (INDIA)

Standard safety provisions

Consisting of rupture disc, hose rupture safety valves on behalf of the rear door and tipping cylinder,

beacon light, emergency stop, tip unbolting protection, repair cross beam,

catwalk, rear door clamp protection, earth reel,

emergency stop reel, rear door protection, tipping protection and powder extinguisher.



Dimensions

Length approx. 9,650 mm.

Width approx. 2,550 mm.

Height approx. 3,750 mm, chassis-dependent.

Wheelbase approx. 4,800 mm (axle 1 - axle 2) + 1,400 mm, chassis dependent.

Max. technical permissible weight approx. 33 tonnes (combined with a 33 tonnes 6x4 chassis), depending on the regulations in the country of destination.