

Industrial Vacuum loader with Air injection Vacuum Blower



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



The AFI BLOWVAC is specifically designed for suction, transporting, and unloading of liquid and hazardous substances in the (heavy) industry. This robust machine operates gently with a 3600m³/h air injection vacuum blower. The mechanical level indicator with a float ball warns timely which makes it possible to empty the hoses without spilling any fluids. The cyclone filter clears the airflow from any carried along residue which keeps the filtration system clean.

BENEFITS:

- Easy suction of heavy sludges
- Fast filling of sludge tank
- Can carry more payload
- Discharge at a height of 20m
- Quieter operation

- Allows high vacuum including "dead end" operation without overheating.
- No oil or water cooling system (100% oil free air)
- Easier maintenance
- Better lubrication of bearings
- Less frequent oil changes
- Built to the latest environmental and safety standards

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Designed and certified for:

- Assembly on a 3 axle / 4 axle truck min 360HP chassis
- Transportation of hazardous substances
- ADR requirements
- Tank code L4AH

Safety Information:



Pressure / Vacuum tank

Volume : 14 m³ / 17 m³ Chassis dependent
 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

Cyclone separator

Material : Stainless steel
 Capacity : 3600 m³/h
 Connection : DIN 150 (6")

High pressure Kit

Pump type : Plunger Triplex
 Pressure & flow : 150 bar & 70 LPM
 Hope reel : Manually operated ½" x 30m
 Including : High pressure gun

Dimensions (Chassis Dependent)

Length : Approx. 10,000 mm
 Width : Approx. 2,550 mm
 Height : Approx. 3,700 mm

Standard Safety provisions

Consisting of : ADR 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 AFI
 Instruction Manual : Consisting of operating / maintenance instructions and schedules

Vacuum pump & vacuum system

Type : tri-lobe blower
 Capacity : 3600 m³/h
 Max. Vacuum : 90%
 Piping : Completely stainless steel provided with filters
 Drive : V-belt transmission from gearbox PTO
 Including : Silencers with hinged exhaust stack

Clean water tank

On behalf of : High pressure pump
 Volume : 1250 liter
 Material : Stainless steel
 Including : Low level protection

Compressor Kit

Type : Oil free vane type
 Flow : 200 m³/h
 Pressure : 2 bar
 Including : Nitrogen purging system

Weights (Chassis dependent)

Empty Weight : Approx. 19 tons
 Max. permissible weight : 33 / 40 tons

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