

## Industrial Vacuum loader for wet and dry substances



### 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 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 & dry substances
- Easy suction of heavy substances
- Fast filling of sludge tank
- Powerful suction force

- Sustainable performance
- Easier maintenance
- Low maintenance cost
- Time savings & huge reduction in cost
- Oil free trilobe vacuum pump
- Built to the latest environmental and safety standards

**Worldwide Reach Local Support**

[www.afi-ivt.com](http://www.afi-ivt.com)

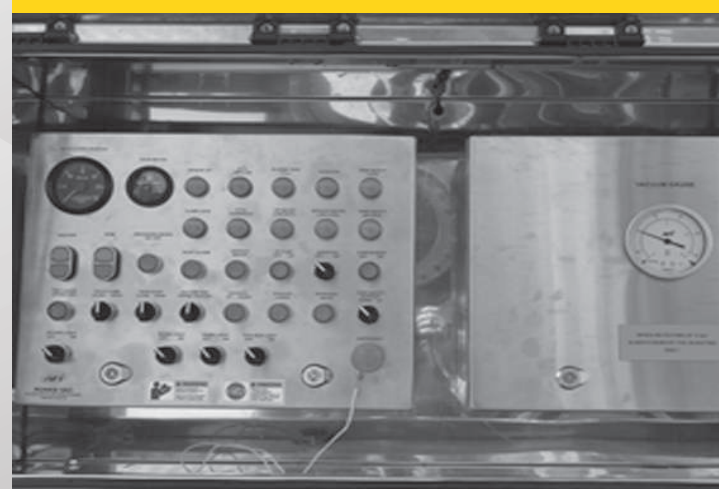




## Designed and certified for:

- Assembly on a 3 axle truck min 360HP chassis
- Transportation of hazardous substances
- ADR/API 2219 requirements

## Safety Information:



### Pressure / Vacuum tank

Volume : 12 m<sup>3</sup>  
 Material : Stainless steel AISI 316L grade;  
 material no 1.4404 (Carbon steel as option)  
 Rear door : Hydraulically opening and clamping  
 Discharging : By means of tipping and pressurizing  
 Loading : By means of suctioning  
 Including : 8" & 6" suction / discharge connection  
 with ball valve

### High pressure Kit (Optional)

Pump type : Plunger Triplex  
 Pressure & flow : 100 bar & 61 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. 3,900 mm

### Weights (Chassis dependent)

Empty Weight : Approx. 19.5 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 AFI  
 Instruction Manual : Consisting of operating / maintenance instructions and schedules

### Vacuum pump & vacuum system

Type : Tri lobe air injection blower  
 Capacity : 9000 m<sup>3</sup>/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

### Compressor Kit (Optional)

Type : Oil free vane type  
 Flow : 480 m<sup>3</sup>/h  
 Pressure : 2 bar  
 Including : Nitrogen purging system

### Suction Boom (Optional) Non-ADR

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

**Worldwide Reach Local Support**  
[www.afi-ivt.com](http://www.afi-ivt.com)

