DISAB
THE POWER OF VACUUM

The vacloader is equipped with add-ons.

DISAB Centurion™ P14

Usage

DISAB Centurion™ P14 is designed for industrial applications suitable for suctioning dry materials. Its strong and efficient suction feature makes it appropriate for industries such as cement, lime, chemicals, plastic, foundries, steelworks, quarries, pulp & paper, shipyards, and energy. The vacloader is designed and adapted for mounting onto a three-axle truck chassis.

Characteristics

A DISAB Centurion™ P14 is driven by the truck's engine and is equipped with a suction only feature. Its square tank ensures the optimum load volume in relation to the length of the truck and possess great flexibility for different applications with multiple add-ons available.

The tank is available in 8 / 10 / 12 m³. The discharge of materials occur by tipping the tank and the tank tipping system consists of a hydraulic front cylinder, double acting system to make it easy-to-use for the operator. The tailgate is hydraulically operated and locked.

Benefits

DISAB Centurion™ P14 offers extremely good suction capacity. The vacuum pump is powered via a split-shaft gearbox which gives a quiet and vibration-free operation with high reliability.

Other benefits include:

- With our effective, self-cleaning filter system, the outside air is completely cleaned at the same time as ensuring good fuel economy.
- The unit is driven by the truck's engine providing a compact high capacity machinery with the highest possible load capacity for a truck mounted unit.
- Sold with extensive DISAB Academy training included to optimize safety and economical value.
- Multiple options available, tailored to your specific needs.
- Operated using a hand held radio for an optimized ergonomical experience for the operator.

Technical Data Chart for DISAB Centurion™ P14

Description

Vacuum pump	Three-Lobe Roots Pump
Max overpressure, mbar	N/A
Operating speed (rpm)	2,650
Voltage Frequency, V/Hz	N/A
Engine type	N/A
Tank volume (m^3)*	8 / 10 / 12
Tank tipping system	Hydraulic front cylinder, double acting system. Tailgate is hydraulically operated and locked.
Cooling air filter	Cartridge filter
ATEX approved	N/A

Max vacuum, mbar	950
Air volume m^3/h (unloaded)	8,100
Power, kW	220
Power source	Truck powered
Tank material	Carbon steel / stainless steel
Total Tank Volume (m^3)	11 / 13 / 15
Main filter system (m^2)	70 galvanized / stainless steel cages with filter socks in needled polyester glazed surface. Filter area is 26m^2.
Safety filter surface (m^2)	34

** Excluding filter volume*

Core function

Suction	Yes
Blow / eject	N/A
Transport (ADR)	N/A
Discharge	By tipping the tank
Dry materials	Yes
Wet materials	No

Weight and Dimensions**

Complete unit including chassis (kg)	19,300
Total unit length including truck chassis (mm)	8,300
Total width (mm)	2,500
Height with hose boom (mm)	4,000

*** Weight and dimensions are approximate and dependent of chassis and the vacuum unit equipment.*

Emptying is smoothly done by tipping the tank, and the tailgate is hydraulically operated through a double-acting hydraulic cylinder.

DISAB Centurion™ P14 is a truck mounted unit that can transport bulk materials by vacuum through a hose system with a diameter up to 200mm.