



DISAB Centurion™ LN10

The vacloader is equipped with options.

Usage

DISAB Centurion™ LN10 is designed for industrial applications suitable for suctioning both solid and liquid 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 vacuum unit is designed and adapted for mounting onto a four-axle truck chassis with two front axles.

Characteristics

A DISAB Centurion™ LN10 is powered by a separate diesel engine and is equipped with a suction only feature. Its round tank design makes it suitable for handling both wet and dry materials and possess great flexibility for different applications with multiple options available.

The tank is available in 10 / 12 / 14 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™ LN10 offers extremely good suction capacity. The vacuum pump is powered by a separate diesel engine which results in a more quiet operation, as well as allowing operation using tax-free diesel.

Other benefits include:

- The vacloader can operate independently of the truck.
- More options when it comes to choosing a chassis.
- The material tank and filter compartment are combined and the dust from the filter compartment is emptied through a hatch in the partition wall in the tank at the same time as the tank is tilted.
- 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.

DISAB Centurion™ LN10 is a truck mounted unit that can transport bulk materials and liquids by vacuum or overpressure through a hose system with a diameter up to 200 mm.

Technical Data Chart for DISAB Centurion™ LN10

Core function

Suction	Yes	Discharge	By tipping the tank
Blow / eject	N/A	Dry materials	Yes
Transport (ADR)	N/A	Wet materials	Yes

Description

Vacuum pump	Three-Lobe Roots Pump
Max vacuum, mbar	950
Max overpressure, mbar	N/A
Air volume m ³ /h (unloaded)	8,100
Operating speed (rpm)	2,650
Power, kW	220
Voltage Frequency, V/Hz	N/A
Power source	Diesel
Engine type	Stage III / Stage V
Tank material	Carbon steel / stainless steel
Tank volume (m ³)*	10 / 12 / 14
*Excluding filter volume	
Total tank volume (m ³)	12.7 / 14.7 / 16.7
Tank tipping system	Hydraulic front cylinder, double acting system. Tailgate is hydraulically operated and locked.
Main filter system (m ²)	70 galvanized / stainless steel cages with filter socks in needled polyester glazed surface. Filter area is 26 m ² .
Cooling air filter	Cartridge filter
Safety filter surface (m ²)	33
ATEX approved	N/A

Weight and Dimensions**

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

Complete unit including chassis (kg)	23,400
Total unit length including truck chassis (mm)	10,500
Total width (mm)	2,500
Height with hose boom (mm)	4,000