

DISAB

THE POWER OF VACUUM



The vacuum loader is equipped with options.

DISAB Centurion™ LN30

Usage

DISAB Centurion™ LN30 is designed for industrial applications suitable for suctioning, discharging and transporting solid or liquid materials. The handled material may consist of hazardous material where ADR and GGVS regulations are applicable. 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.

Characteristics

A DISAB Centurion™ LN30 is powered by a separate diesel engine and is equipped with suction, blow, and ADR features. 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 a 12 m³ size. The discharge of materials occur by tipping the tank or unloading through blow system. The tank tipping system consists of a hydraulic front cylinder, double acting system to make it user-friendly for the operator. The tailgate is hydraulically operated and locked.

Benefits

DISAB Centurion™ LN30 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 operates 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.
- Constructed in accordance with ADR regulations for transporting hazardous goods. ADR classes: 3, 4.1, 5.1, 6.1, 8, 9. Permitted media according to the tank codes: S4AH for solid materials and L4AH for liquid.
- Sold with extensive DISAB Academy training included to optimize safety and economical value.
- Multiple options available, tailored to your specific needs.

Technical Data Chart for DISAB Centurion™ LN30

Description

Vacuum pump	Three-Lobe Roots Pump
Max overpressure, mbar	1,100
Operating speed (rpm)	2,650
Voltage Frequency, V/Hz	N/A
Engine type	Stage III / Stage V
Tank volume (m³)*	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

* Excluding filter volume

Max vacuum, mbar	950
Air volume m³/h (unloaded)	8,100
Power, kW	220
Power source	Diesel
Tank material	Stainless steel / acid-proof steel
Total tank volume (m³)	14
Main filter system (m²)	70 galvanized / stainless steel cages with filter socks in needled polyester glazed surface. Filter area is 26 m².
Safety filter surface (m²)	33

Core function

Suction	Yes
Blow / ejec	Yes
Transport (ADR)	Yes
Discharge	By tipping the tank or unloading through blow system
Dry materials	Yes
Wet materials	Yes

Weight and Dimensions**

Complete unit including chassis (kg)	25,500
Total unit length including truck chassis (mm)	11,000
Total width (mm)	2,500
Height with hose boom (mm)	4,000

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



The DISAB Centurion™ LN30 is powered by a separate diesel engine and is equipped with suction and blowing functions and an ADR function that makes it approved for transporting dangerous goods.

DISAB Centurion™ LN30 is a truck mounted unit that can convey material using airstreams (pneumatic transport), created by either vacuum or overpressure.