DISAB Futurion™ Q30

Usage

DISAB Futurion™ Q30 is designed for industrial applications suitable for suctioning, discharging and transporting solid or liquid materials. Its strong and efficient suction feature makes it appropriate for industries such as cement, lime, chemicals, plastic, foundries, steelworks, quarries, pulp & paper and energy.

Characteristics

DISAB Futurion™ Q30 provides compact high-capacity machinery with the highest possible load capacity for a truck mounted unit. The vacuum pump is powered via a split-shaft gearbox which gives a quiet operation with high reliability. It is equipped with suction, blow, and ADR features making it possible to handle hazardous material where ADR and GGVS regulations are applicable. The round tank design makes it suitable for handling both wet and dry materials and possess great flexibility for different applications with multiple add-ons available.

The tank is available in 11 m³. The material is discharged by tipping the tank, and the emptying hatch is operated with a double-acting hydraulic cylinder. Discharge can also take place by blowing the material out through the hose.

Benefits

The DISAB Futurion™ Q30 offers extremely good suction and blowing capacity. Sold with extensive DISAB Academy training included to optimize safety and economical value.

Other benefits include:

- 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.
- Safe working environment for the operator: All the vehicle's functions can be operatedat a safe distance with a joystick radio.
- A modern control system with smart IoT solutions to support the user and provide better overview and control over the vehicle and the fleet.
- Equipped with an interactive radio system which displays relevant data for the operator.
- The tank is positioned in a special cradle at the rear with a tipping axle for optimal emptying flexibility. When equipped with the optional high-tip function, the operator can raise the tank an additional 1000 mm during tipping, with hydraulic support legs mounted on the unit to ensure stability at that height.
- Multiple add-ons available, tailored to your specific needs.

DISAB
THE POWER OF VACUUM

Technical Data Chart for DISAB Futurion™ Q30

Description

Vacuum pump	Three-Lobe Roots Pump
Max overpressure, mbar	1,000
Operating speed (rpm)	2,600
Safety filter surface (m²)	34
Cooling air filter	Cartridge filter
Tank volume (m³)*	11
Tank tipping system	Hydraulic front cylinder, double acting system. Tailgate is hydraulically operated and locked.

Max vacuum, mbar	900
Air volume m³/h (unloaded)	8,500
Power, kW	210
Power source	Truck powered
Tank material	Stainless steel / acid-proof steel, EN 1.4404/ AISI 316L
Total Tank Volume (m³)	16,7
Main filter system (m²)	70 stainless steel cages with filter socks in needled anti-static polyester glazed surface. Filter area is 26 m².

** Excluding filter volume*

Core function

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

Weight and Dimensions**

Complete unit including chassis (kg)	24,500
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 dependent of chassis and the vacuum unit equipment.*