

HIGH PERFORMANCE VACUUM CLEANER FOR HEAVY INDUSTRIES

DHV 45 AF TANK

High performance hopper-mounted industrial vacuum cleaner with lobe pump. Its exceptional suction performance makes it ideal for continuous, heavy duty use in working conditions typical of heavy industry where there are large quantities of material to be vacuumed. The filtering system comprises of polyester felt filter sleeves with internal tensioning springs & polyester safety cartridge to protect the pump. An automatic time-controlled system cleans the filters via chamber backwash valves, ensuring maximum performance even in continuous & prolonged use. Compressed air for actuating the valves is supplied by a compressor installed on board the machine. The lower hopper has a capacity of 1000L & can be emptied at the bottom via a manually-controlled butterfly valve. Pneumatic actuators & other types of discharge options are available. Large inspection doors allow easy access to the engine compartment, while eyebolts make it easy to handle the unit by forklift. A push-button panel means you can easily operate the vacuum cleaner without having to directly access the electric panel.

Raising frame available for Big Bag emptying. Available in Atex-certified version

SUCTION UNIT

The suction unit is provided with a volumetric vacuum pump with tri-lobe rotors which can reach very high airflow and waterlift levels. A safety filter guarantees the maximum protection for both motor and pump. The electrical panel is suitable to be controlled remotely and a push-button is installed on the chassis as standard.

Main Features:

- Sturdy vacuum cleaner for intensive use
- Powerful lobe pump with electric motor
- High performances and long-lasting equipment
- High efficiency filtration
- Semi-automatic filter cleaning system
- Easy to handle
- Detachable container with fork lift intakes which make it easy to handle
- Discharge system by means of a valve
- Low noise level
- Great autonomy of the system

FILTRATION UNIT

2 sets of filtering sleeves work continuously and alternatively. Doing so, they guarantee the maximum filtration efficiency and protection for the motor. The filter is cleaned by an automatic system with backwash of the chambers. Compressed air is provided by an onboard compressor.

COLLECTION UNIT

Forklift intakes for easy discharge. The material is collected into a capacious and detachable container, which is easy to handle thanks to fork lift intakes. The material is safely and quickly discharged by means of a lever. The unit is manufactured with thick painted steel for improved sturdiness and long-lasting lifetime.



MODELS AND DATASHEET

MODELS	DHV 45 AF TANK
Power (V - Hz)	400 - 50
Power (Kw)	45
Electrical Protection (IP)	55
Max Waterlift (mmH2O)	5000
Max Airflow (m3/h)	2500
Suction Inlet (mm)	140
Filter Type	30 Sleeves
Surface Diameter (cm2-mm)	160,000 - 120
Material - Efficiency (IEC 60335-2-69)	Polyester - M
Cleaning System	Automatic
Secondary Filter	Safety Cartridge
Surface (cm2)	70,000
Capacity (Litres)	800
Discharge System	Forklift Portable Container
Dimensions (cm)	168 x 160 x 291H
Weight (kg)	2480



HEAVY INDUSTRY



STEELWORKS & FOUNDRIES



POWER PLANTS



CEMENT WORKS & CONSTRUCTION INDUSTRY