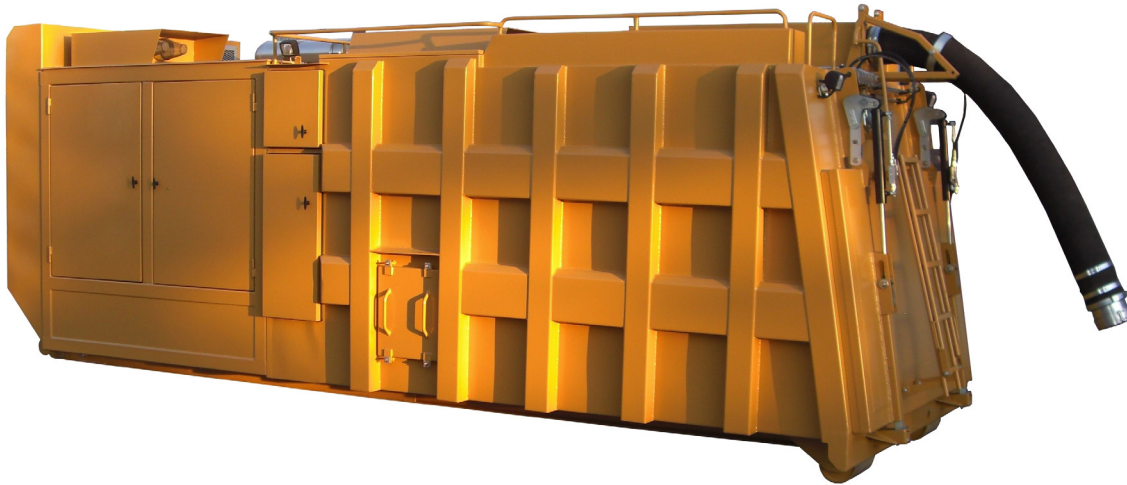


DISAB Engineered Vacuum Systems



The SDL units are handled by a standard ro-/ro-vehicle and can operate on the truck-chassis or at ground level.

Vac Loader SDL

The SDL suction unit meets the industry's high demands on efficiency, reliability, ease of operation and maintenance giving excellent value for money.

The SDL units are complete self-supported diesel powered vacuum loaders mounted onto a ro-/ro-frame. Dry material as well as liquids can be handled. In combination with a fixed pipe network they can either operate as central vacuum units for industrial applications or as independent vacuum loaders with a 6" hose.

- Rigid design for industrial use
- Vacuum pump of the Roots-type with high vacuum (80%)
- Filter system for dry and wet material
- Automatic cleaning without compressed air
- Donkey engine power ranging from 129 kW to 180 kW
- Large dust collecting hopper
- Low noise level

WHY SDL

Heavy industry sites often have production, raw material handling, packing etc. in several buildings /domestic areas. Therefore an ordinary stationary central vacuum cleaning system is not the optimum solution. Further more, cleaning contractors need flexible and powerful vacuum units to meet customers requirements for cost-efficiency. This is why the SDL is the perfect choice. The large collecting hopper placed on a ro-/ro-frame for the handling by truck makes the whole unit easy to handle. The unit can start operating as soon a pipe/hose is connected. Discharging sucked material is easily managed by tipping the body with a ro-/ro-truck.

The large load volume in combination with the high suction capacity provided by the Roots pump, makes the SDL especially suited for heavy industrial environments.

OPERATION

The vacuumed material is first separated in a special designed fall chamber with a durable proof pre-separator inlet. Here heavy particles fall to the bottom of the container. The air is diverted to the main filter section where remaining fine dust is separated. From the filter section the air passes a safety filter before entering the vacuum pump and finally a silencer before exhaust. The well insulated motor compartment housing ensures a low noise level of the unit.

An unloading valve is placed between the main filter system and the vacuum pump. The vacuum is immediately equalised when the valve opens. At the same time the main filters are being cleaned. This also prevents counter-rotation of the engine as well as less power consumption at starting. It can also be activated by safety control functions. All functions are operated from the dust-tight control panel which contains control lamps indicating operational status of the unit.

APPLICATIONS

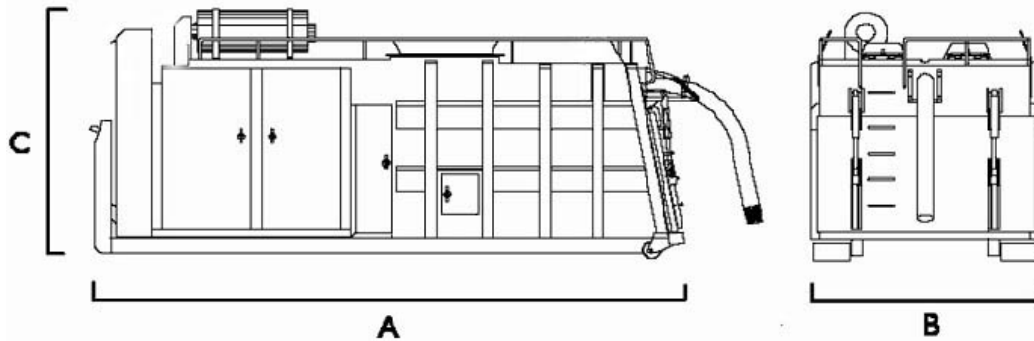
For any application where collection of dust is required, i.e. cleaning out deep pits, trenches, bucket elevators, conveyor spills, overhead cranes and runaways, dust collectors, processing machine spillage, and vacuum excavating.

The unit is particularly suitable for collecting bulky or sticky material thanks to the convenient discharging.

USERS

Manufacturers of Cement, Lime, Gypsum, Tiels, Ceramics, Fertilizers and Alumina.

Foundries, Steel mills, Quarries, Mines, Pulp- and Paper Industry, Incineration Plants, Thermo-electric Power Plants, Cleaning Contractors....



Vac Loader SDL

VACUUM PUMP

Vacuum is generated by a pump of the Roots type, driven via V-belt by a water-cooled diesel engine, all placed on an anti-vibrated steel structured machine frame. The vacuum pump is equipped with a spring-loaded safety valve preventing the vacuum to exceed maximum operation range. For extra protection of the pump, the unit comes with a high temperature sensor and a safety filter.

MAIN FILTER

The main filter compartment contains a cassette filter with flat filter bags of specially treated polyester needle felt. Service of filters is easy from the clean gas side and from outside of the unit.

The filter system is equipped with a vacuum controlled ATM (air-repulse) filter cleaning system. When activated, large air inlets will ensure a fast backwards air direction through the filters, efficiently knocking off collected dust from the filter surface.

Container (Dust Bin)

Type: Square container with external strengthening.

Volume: 4,3 m³ primary container

1,3 m³ filter compartment

Bin level control of paddle type

CONTROLS - Safety functions

All functions are automatically operated from the control panel, and accessible from outside the unit. The machine is equipped with run time meter to guide the user in necessary service and maintenance measures.

Engine Automatic Shut-down:

- Oil pressure too low
- Engine temperature too high

Automatic vacuum relief Valves Open:

- Exhaust air temperature from vacuum pump too high
- Alarm from bin-level control
- Alarm from DP-switch filters (option)

MISCELLANEOUS

Filter class:	L,M IEC EN60335-2-69
Hose connect:	202 mm
Material:	Steel S 235 JG2
Ro-/Ro-frame:	SS 3021
Fuel tank:	325 litres
Electrical system:	24 VDC
Painting:	System C2, RAL 3003 red

OPTIONS

- BIN Painted inside
- DP-Gauge: Safety Filter
- DP-Switch; Safety Filter
- Hydraulic Cylinder Locking Filter Door
- Hydraulic Cylinder Locking Tailgate
- Hydraulic Unit for Hydraulic Control
- Inlet Hose Drop Down, Connector & Holder (app. 1,5 m)
- Ladder
- Level Control; Paddle type (24V DC)
- Radio Remote Control (CE, Carrier wave interrupter)
- Roof Railing for Hose Transport
- Stand-by Heater 230V

Item / Model	SDL.130 80%	SDL.160 80%
Dimensions, mm A	6390	6390
B	2490	2490
C	2600	2600
Weight, kg (approx)	8800	9200
Max. Vacuum, mbar	800	800
Air Volume, m ³ /h (unloaded)	4600	6650
Engine Power, kW	129	168
Engine Emissions 97/68/EC (step 3A)	Yes	Yes
Main Filter Surface, m ²	40	40
Safety Filter Surface, m ²	36	36
Noise level dB(A) (at 7 m distance)	84	85
Lay-out	F-20147	

We reserve the right to alter any specifications without prior notice

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