



SDR-20T CHASSIS MOUNTED MODEL

CONTROLS SAFETY FUNCTION

All functions automatically operated from the control panel, easily accessible from the outside of the unit and remotely operated via remote control. The machine is equipped with a run time meter (hour) to guide the user in necessary service and maintenance measures.

Engine Automatic Shut-down when:

- Oil Pressure too low
- Engine temperature too high

Automatic Vacuum Relief Valves Open when:

- Exhaust air temperature from vacuum pump is too high
- Alarm from bin-level control

Standard equipment with SDR-20T:

- Hydraulic Cylinder Locking Tailgate
- Inlet Hose and Connector (app. 1,5 m)
- Level Control; Paddle type (12V DC)
- External Remote for Ease of Operation

DISAB

The DISAB TrailerVac SDR-20T unit is Truck Mounted, diesel powered mobile vacuum loader that is fitted onto heavy-duty chassis to handle dry material as well as liquids. Together with a fixed pipe installation, they can operate both as a perfect central vacuum unit for industrial installations and also as a single vacuum loader with a 5-6" (inches) hose.

- Rigid design for industrial use
- Roots-type high vacuum pump (80%)
- Filter system for dry and wet material
- Automatic filter cleaning without compressed air
- Auxiliary engine - Engine power 160 kW.
- Large hopper with tailgate for easy discharge -Hose connect: Dia. 152 mm
- Remotely Operator via Remote Control
- Filter class: L,M IEC EN 60335-2-69
- Max towing speed: 40 km/h
- Electrical System: 24 V DC
- Diesel Tank Volume: 330 l
- Trailer: 21t. capacity
- Tipping Cylinder: Hydraulically 19 t. capacity
- Material: Steel S 235 JG2

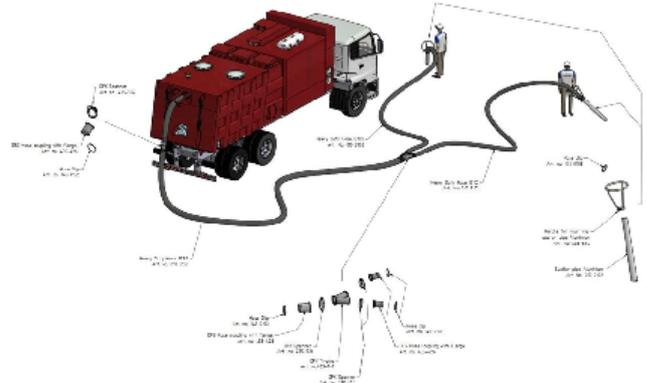
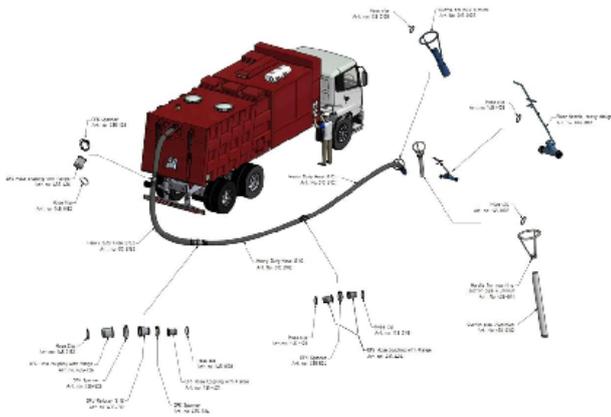
TRAILERVAC SDR-20T

Most heavy industry sites have production, raw material handling, packing etc. in several buildings/domestic areas with some distance between the premises. Therefore, an ordinary stationary central vacuum cleaning system is not the optimum solution. Instead the TrailerVac SDR-20T is the perfect choice. The large collecting hopper placed on a trailer for towing by a tractor or similar makes the whole unit easy to transport. The unit can start operating as soon as a hose/pipe is connected. Also the material handling is easily carried out as there is a built-in tipping cylinder for the discharge. The rigid trailer can carry high load and together with high suction capacity using Roots pump the unit is especially suited for heavy industrial environments.



SPECIFICATIONS

SDR-20T CHASSIS MOUNTED MODEL



OPERATION

The vacuumed material is first separated in a specially designed fall chamber with a wear proof preseparator inlet. In this section the heavier particles fall to the bottom of the container. From this section the air will be led to the main filter section where any remaining fine material will be separated. From this section the air is then diverted to the main filter section where residual 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 equalized when the valves 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 through the dust-tight control panel which contains control lamps indicating operational status of the unit.

APPLICATIONS

For any application where collection of material is required, i.e. cleaning out deep pits, trenches, bucket elevators, conveyor spills, overhead cranes and runways, dust collectors, processing machinery, etc. The unit is particularly suitable for collecting bulky or fibrous material thanks to the convenient discharging.

TYPICAL USERS

Manufacturers of Cement, Lime, Gypsum, Tiles, Ceramics, Chemicals, Plastics, Fertilizers and Aluminum, Foundries, Steel mills, Quarries, Mines, Pulp and Paper Industry, Incineration Plants, Thermoelectric Power Plants, Painting Contractors/Shipyards, Cleaning Contractors, etc.

VACUUM PUMP

Vacuum is generated by a Roots pump, driven via V-belt transmission by a diesel engine. Pump and engine are mounted on same vibration-free steel structure, which also acts as an exhaust air silencer. The vacuum pump is equipped with a spring-loaded safety valve, preventing the vacuum to exceed its maximum operating range. For extra protection of the pump, the unit comes with a high temperature sensor and a safety filter. For easy access and service, the unit is fitted with large doors on both sides.

FILTER SYSTEM

The main filter compartment contains a cassette filter with flat filter bags, of specially coated 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, a large air inlet will ensure a fast backwards air direction through the filters, efficiently knocking off collected dust from the filter surface.

HOPPER

Type: Square container
Volume: 10 m³ hopper capacity



TECHNICAL DATA

Item / Model Chassis Mounted SDT-20T	SDR-20T.160
Superstructure Weight, kg (approx)	11000
Max. Vacuum, mbar	800
Air volume, m ³ /h (unloaded)	6650
Engine Power, kW	168
Engine Emissions 97/68/EC (step3A)	YES
Main Filter Surface, m ²	24
Safety Filter Surface, m ²	36
Diesel	330L
Volume Capacity	10 m ³

DUROMAC

Main Office

Bandar Kinrara 9, Jalan BK 1/15
Puchong 47180 Selangor, Malaysia
603-8070-2826
Email: info@duromac.com

Penang Office

Kawasan Industri Permatang Tinggi 2, Lorong Pala 5,
14100 Simpang Ampat, Pulau Pinang, Malaysia
Tel: 604-506-0717
Email: duromacpgg@duromac.com

Johor Office

No.37, Jalan Scientex Jaya 6,
Taman Scientex Senai,
81400 Senai, Johor Darul Takzim, Malaysia
Email: duromacjb@duromac.com