Suction Unit

DISAB-TELLA
Industrial Vacpower

To increase the pick-up capacity of the SEBF-II units they can work in conjuction with pre-separators i.e. vacuum skips

SEBF-II Electrical

The SEBF-II suction units meet the high demands from the industry due to its efficiency, reliability, ease of operation and maintenance giving excellent value for money.

Tella SEBF-Series are complete electrical vacuum units that are fitted on a solid metal frame with telescopic legs and powered by electric supply. Together with a fixed pipe network this is a perfect central vacuum unit but it can also operate as a single vacuum loader.

- Rigid design for industrial use
- Filter system which can handle dry and wet material
- Automatic filter cleaning without compressed air
- Several options for filters and other accessories
- Optional discharge system for continous discharge and enclosed handling.
- Telescopic legs adjustable in height to fit most dust recievers.
- 63/125 amps electrical plug makes the unit useable in most industrial areas
- Low noise execution

Why SEBF-II

More and more applications require a fast and safe handling of dust that has to be taken care of. The SEBF-II discharge system can be easily connected to most recieving bins, bags or similar and when using a pre-separator, i.e. vacuum skip, the capacity is increased to handle most jobs due to its flexible handling. The unit is also suited for material that shall be recycled, for vacuum tasks where no pipe network is available due to its access into narrow buildings.
In addition high suction capacity using Roots-type blower and low noise level makes the SEBF-II the perfect choice.

Operation

Collected material in the filter unit compartment is emptied through either a pneumatic bottom valve or a mechanical flap valve. A bin-level control can also be fitted. For discharging into a bag, hopper or other receiver, the legs of the unit are adjustable in height 1 m to allow placing a receiving bin under the discharge valve. The units are equipped with a safety valve that through spring release opens at the max. vacuum. Unloading valves are mounted between the main filter system and the vacuum unit. The vacuum will immediately be equalised when the valves are opened and at the same the main filters will be cleaned. This will also prevent counter-rotation of the engine. The unloading valves will always automatically open at stop and start. They will also be activated by safety control functions.
All functions are controlled at the control panel and control LED:s and gauges will indicate the units operational status. The unit is handled by a fork lift, skiplorry or with a crane.

Applications

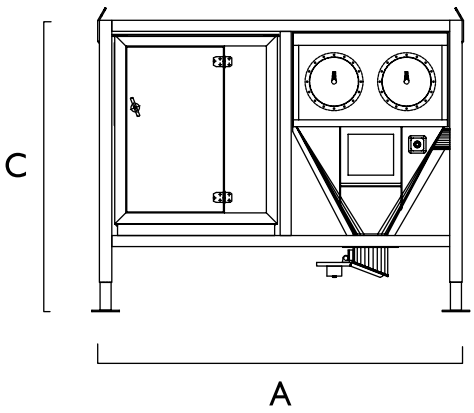
For general cleaning and bulk suction in any industrial application where high capacity is required together with flexibility, mobility, reliability and low noise level.

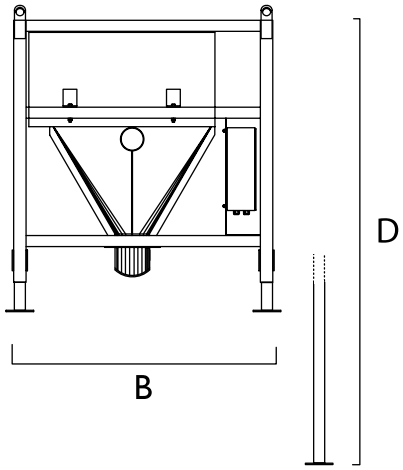
Typical Users

Manufacturers of Cement, Lime, Gypsum, Tiles, Concrete, Chemicals, Plastics, Fertilizer and Alumina. Foundries, Steel mills, Pulp-and Paper Industry, Quarries, Bakeries, Work Shops, Contractors, Shipyards…

Technical Data - SEBF-II

DISAB-TELLA Industrial Vacpower





Vacuum Pump

The vacuum producer is a Roots-type vacuum pump, with it's electrical drive motor with V-belt transmission and they are placed on a steel structured machine frame. The vacuum pump is equipped with a spring loaded safety valve regulating the vacuum not to exceed its maximum operating range. Further there is a temperature switch for extra protection of the pump.
The drive motor is equipped with a motor protective switch.
The drive part is built into an insulated steel enclosure with silencers and safety filters to reduce noise level and fitted with service doors for access purposes.

Filter System

Filter compartment contains a cassette filter with flat filter bags, made of specially treated polyester needle felt. Service of filters is easy from the clean gas side on the 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, thus in an efficient way knocking off collected dust from the filter surface.

Dust Bin

Type: Conical hopper
Bin Volume: 0,3 m^3 bin volume
Bottom flange: 200 –350 mm
Discharge valve: Balanced flap valve as standard other upon request

Miscellaneous

Electrical Controls: 3-phase 400 V, 50Hz, D-O-L starter with motor protective switch, steel enclosure IP 65 with gauge.
Dust emission: < 10 mg/Nm3
Material: SIS steel 1312
Hose connect: Ø152 mm
Painting: System M2, RAL 5007 blue

Options

- Other voltage upon request
- Jet-pulse filtercleaning
- Aut.Star-/Delta-Starter
- Bin level alarm
- Sluice discharging system
- Big-bag adaption
- DP-alarm
- 800 mbar execution

Item \ Model		SEBF 2/30	SEBF 2/37	SEBF 2/45	SEBF 2/55
Dimensions, mm	A	3250	3250	3250	3250
(all dim. excl. frame)	B	1910	1910	1910	1910
	C	2580	2580	2580	2580
	D	3730	3730	3730	3730
Weight, kg (approx)		2600	2620	2675	2750
Max. Vacuum, mbar		500	500	500	500
Air Volume, m^3/h (at 100 mbar)		1900	2220	2640	2900
Electrical Motor, kW		30	37	45	55
Voltage Frequency, V/Hz		400 / 50	400 / 50	400 / 50	400 / 50
Main Filter surface, m^2		15	15	15	15
Safety Filter surface, m^2		10	10	10	10
Noise Level, dB(A) (at 5 m distance)		65	65	67	67
Hose Pipe Connection, dia. mm		152	152	152	152

We reserve the right to alter any specifications without prior notice

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