



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

## Suction Unit SEBF-I

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

The SEBF-I units are a series of electrical powered vacuum units that are mounted in a solid metal frame with telescopic legs. Together with a fixed pipe network this is a perfect central vacuum unit for smaller industry installations, but can also operate as a single suction unit using a 3 or 4" hose.

- 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
- Engine power ranging from 12,5 to 16,5 kW.
- Control panel placed in dust-tight enclosure.
- Optional discharge system for continuous discharge and closed handling.
- Telescopic legs adjustable in height to fit most dust receivers.

### **WHY SEBF-I**

A fork lift is usually available in all industrial companies and there are often bins available for dust and waste inside or outside the works. This is why the SEBF-I is a suitable choice. The high suction capacity together with its flexible discharge system makes the unit very useful in most vacuum cleaning situations. Due to its flexibility the unit gets access to most areas where cleaning needs to be carried out without the use of a fixed pipe network, and for material that shall be recycled or collected in bags and similar.

### **OPERATION**

Collected material in the filter unit compartment is emptied through either a mechanical bottom balance valve, or an optional pneumatic 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.

The units are equipped with a safety valve that through spring release opens at max. vacuum. An unloading valve is mounted between the main filter system and the vacuum unit. The vacuum will immediately be equalised when the valve is opened and at the same time will the main filters be cleaned. This prevents counter-rotation of the engine. The unloading valve will always automatically open at stop and start. It will also be activated by safety control functions.

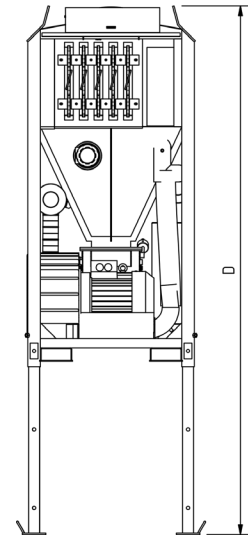
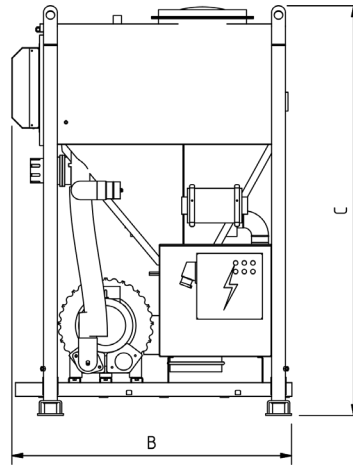
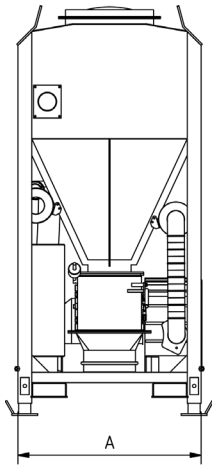
All functions are controlled from the control panel and control lamps and gauges will indicate the units operational status.

### **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 ...



## Suction Unit SEBF-I

### VACUUM PUMP

The vacuum producer is a turbo pump of side channel blower type, with its electrical drive motor direct coupled and placed on an anti-vibrated 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.

An exhaust silencer secures low noise operation.

### 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 from the 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, thus in an efficient way knocking off collected dust from the filter surface.

### DUST BIN

Type:

Bin Volume:

Bottom flange:

Discharge valve:

Conical hopper

0,3 m<sup>3</sup> bin volume

250 mm

Balanced flap valve as standard other upon request

### MISCELLANEOUS

Electrical Controls:

3-phase 400 V, 50Hz, aut.

Star-/Delta-starter with motor protective switch, steel enclosure IP 65 with gauge.

L.M IEC EN 60335-2-69

Steel S 235 JG2

Filter class:

Material:

Hose connection:

Painting:

Ø102 mm

System C2, RAL 3003 red

### OPTIONS

- DP-Gauge with Ball Valve
- DP-Switch
- Jet Pulse Filter Cleaning
- Level Control; Paddle type
- Level Control; Vibrating type
- Line (Circuit) Breaker
- Pre Designed for Remote Control 24 V
- Radio Remote Control (CE, Carrier wave interr.)
- Timer Auto Stop
- Control Filter 10 m<sup>2</sup>
- ATEX outdoor execution, ST1, includes closed flap valve

Item/Model		SEBF-I.125	SEBF-I.165
Dimension. mm	A	1060	1060
	B	1621	1621
	C	2369	2369
	D	3369	3369
Weight, kg (approx)		850	960
Max Vacuum, mbar		290	400
Air Volume m <sup>3</sup> /h		1100	1100
Electrical Motor, kW		12,5	16,5
Voltage Frequency, V/Hz		400/50	400/50
Filter Surface, m <sup>2</sup>		5	5
Noise Level dB(A) (at 1 m distance)		75	75
Hose Pipe Connection, dia.mm		108	108
Layout		SD-20010	SD-20040

We reserve the right to alter any specifications without prior notice

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