



The BEAF filter containers shall be connected to a vacuum unit/power pack to complete a heavy duty vacuum system.

Filter Separator BEAF

The BEAF filter containers meet the high demands from the industry due to its efficiency, reliability, ease of operation and maintenance giving excellent value for money.

BEAF is a series of mobile filter separator units designed to handle large volumes of material, to be handled by front end loader (shovel) and shall be connected to a vacuum unit, to complete a system.

- Rigid design for industrial use
- Designed for high vacuum systems
- Filter system which can handle dry and wet material
- Large dust bins, options from 2 to 5 m³
- Large tail gate door for discharge of material
- Automatic filter cleaning without compressed air
- Several options for filters and other accessories
- No dust valves or other moving parts involved, securing high availability factor and low maintenance costs.

WHY BEAF

One of the most important problems to solve when planning a central cleaning system is the handling of the collected dust and material. In order not to create new problems with dust and heavy lifting work in the premises, the optimal solution is to integrate the handling into the company's existing handling system for waste. Normally this is carried out by the means of a container transport to the deposit place inside or outside of the works.

BEAF offers a totally dust tight system, also for the filter dust, and can be handled by a front end loader with the most common system on the market i.e. Volvo BM, Caterpillar or similar.

OPERATION

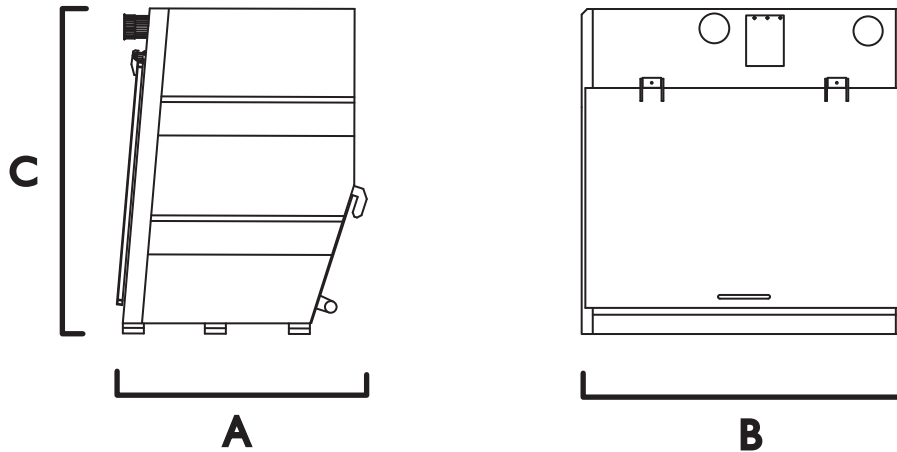
The vacuumed material is first separated in a specially designed fall chamber with a wear proof pre-separator inlet. In this section heavier particles will fall by gravity to the bottom of the container. From this section the air will be transported to the main filter section where any remaining fine dust will be separated. No specific foundation work is required, and the unit is easily moveable if space is required for any other purpose.

APPLICATIONS

For use in any industrial application where collection of dust is required i.e. to clean out; deep pits, trenches, bucket elevators, conveyor spills, overhead cranes and runaways, dust collectors, processing machines etc. The unit is especially suitable where bulky or sticky material shall be collected due to the convenient discharging

TYPICAL USERS

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



Filter Separator BEAF

MAIN FILTERS

Filter compartment contains a cassette filter with flat filter bags, made of specially treated polyester needle felt.

Service of filter is easy from the clean air side from the outside of the unit.

CONTAINER

The material container (dust bin) is connected to the filter compartment, and the whole unit is designed for handling with front end loader.

It has a tightly welded construction with external strengthening, and is equipped with an inspection door as well as an extra large rear-emptying door with manual locking as standard. Hydraulic locking is available as optional equipment.

The inlet dust pipe of the container is designed as a gravity fall chamber pre-separator and is equipped with an anti wear device.

AUTOMATIC FILTER CLEANING

The unit is normally equipped with a vacuum controlled ATM (air-repulse) filter cleaning system. When activated, two large air inlets will ensure a fast backwards air direction through the filters, thus in an efficient way, knocking off dust collected on the filter surface.

The frequency for this ATM function can be adjusted to suit the type of dust to be vacuumed.

It works also as a vacuum relief valve during start and stop of the vacuum system. The advantage with this system is reliable function at low cost and no need for compressed air.

The filters can also, as an option, be equipped with pneumatic JET-pulse filter cleaning. Controls for the filter is normally installed in the electric cabinet of the separately supplied PES vacuum power unit.

MISCELLANEOUS

Filter class: L, M IEC EN 60335-2-69

Material: Steel S 235 JG2

Painting: System C2, RAL 3003 red

OPTIONS

- Bin level control, Paddle or Vibrator type
- DP-Gauge incl. Ball Valve
- Extra Noise Insulating ATM
- Filter Cleaning/ATM-Repulse
- Filter Cleaning/JET-Pulse
- Separate Control Box, for ATM filtercleaning

Item/Model		BEAF-10.2	BEAF-15.3	BEAF-15.5	BEAF-20.3	BEAF-27.3
Dimensions, mm	A	1790	1790	1790	1790	2330
	B	1840	2400	2400	2480	2400
	C	1760	1760	2100	1760	1750
Weight, kg (approx)		1100	1317	1460	1330	1550
Max Vacuum, mbar		500	500	500	500	500
Filter Surface, m ²		10	15	15	20	27
Dustbin Volume, m ³		2	3	5	3	3
Clean Air Connection, dia. mm		1x152	1x152	1x152	2x152	2x152
Dust Inlet Connection, dia. mm		152	152	152	152	152
Layout		SD-10005	SD-10003	SD-10004	SD-10007	SD-10008

We reserve the right to alter any specifications without prior notice

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