



*The BEAT filter separators shall be connected to a vacuum unit/power pack to complete a heavy duty vacuum system.*

## Filter Separator BEAT top mounted filter

***The BEAT Filter Separators meet the high demands from the industry due to its efficiency, reliability, ease of operation and maintenance giving excellent value for money.***

The BEAT-Series are complete stand alone vacuum filter separators designed to be part of a vacuum system by connection to a vacuum unit. The upper part of the unit contains the main filter system and filter cleaning equipment. The lower square part and the conical part is the dustbin for separated and collected material, and shall be equipped with discharge device adopted for material and operation conditions. Dry material and even liquids can be handled by the filters.

- Rigid design for industrial use
- Designed for high vacuum systems
- Filter systems for most materials and even liquids
- Automatic filter cleaning without compressed air
- Hopper with favourable discharger angle and inspection door
- Several options for filter quality and accessories

### **WHY BEAT**

One of the most important problems to solve when planning a central cleaning system is handling of the collected dust and material. BEAT is designed to handle those types of dust and material that will allow discharge through a conical hopper opening. Any type of discharge system can be connected to the bottom flange, flap valve, sluice system or big-bag filling.

### **OPERATION**

The vacuumed material is first separated in the fall chamber where heavier material fall by gravity into the bin compartment. From there the air stream will continue to the main filter system where the remaining fine dust will be separated. Collected material is discharged through the bottom valve system which shall be designed for the specific material and operational condition of the vacuum system.

The Filter Separator is equipped with automatic ATM (air repulse) filter cleaning. When activated, large air inlets will ensure a fast backwards air direction through the filter bags, thus in an efficient way knocking off collected dust from the filter bag surface. The filters can also, as an option, be equipped with pneumatic JET-pulse filter cleaning as well as several monitoring devices i.e. high level control, Dp-control etc.

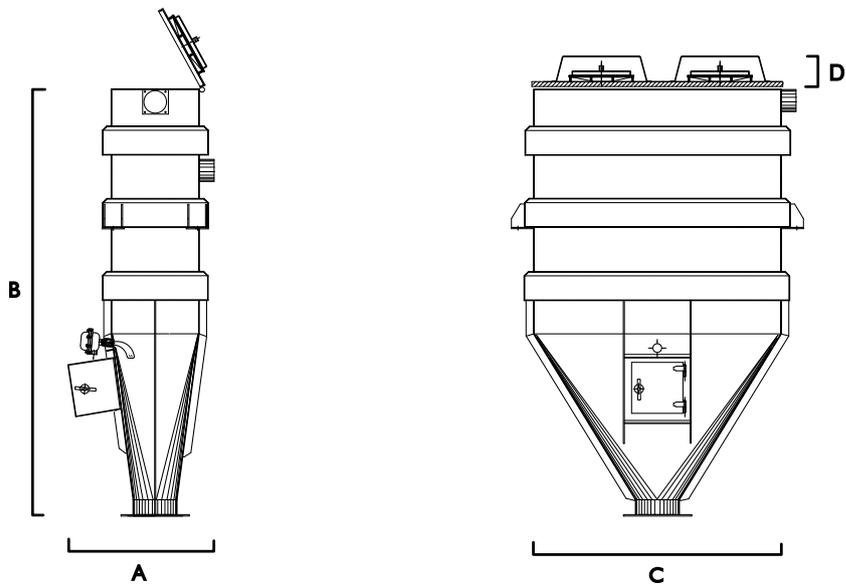
The BEAT filter separators are designed for stationary operation and shall be placed on a steel structure stand support adapted to selected discharging system.

### **APPLICATION**

For use in any industrial application where reliable filters are requested for separation of dust or material. BEAT is designed for stationary installation, and can be used for both indoor and out door operation.

### **TYPICAL USERS**

Vacuum plants in industrial installations such as; power stations, pulp- and paper, cement-, lime- and concrete, steel works, food and plastic industry and general vacuum cleaning systems.



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### MAIN FILTER

Filter compartment contains a cassette filter with flat filter bags, made of specially treated polyester needle felt. Service of filter is easy accessible from the clean air side on the top of the unit.

### AUTOMATIC FILTER CLEANING

The unit is normally 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 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 also works 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.

### DUST BIN

The hopper section is an integrated part of the filter compartment, and the whole unit is designed to stand on four support legs. It has a tightly welded construction with external strengthening, and is equipped with an inspection door. The inlet dust pipe to the filter is designed as a gravity fall chamber pre-separator and is equipped with an anti wear device.

### 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 Type
- Bin Level Control, Vibrator Type
- Extra Noise Insulating ATM-Valve
- Filter Cleaning/ATM-Repulse (A)
- Filter Cleaning/Jet-pulse (P)
- Large Square Bottom Door Type SPG
- Separate Control Box, for ATM filter clean.
- Stand Double Dump Valve Discharge
- Stand for Flap Valve Discharge

Item/Model		BEATS-5	BEATS-10	BEATS-15	BEATL-23	BEATS-30	BEATL-45
Dimensions, mm	A	Ø885	750	720	720	1810	1810
	B	2120	2220	2725	3240	2510	3015
	C	885	1610	2190	2190	1750	1750
	D	180	180	180	180	180	180
Weight, kg (excl. stand)		220	480	728	867	1130	1410
Max Vacuum, mbar		500	500	500	500	500	500
Filter Surface, m <sup>2</sup>		5	10	15	23	30	45
Dustbin Volume, m <sup>3</sup>		0,2	0,3	0,6	0,6	1,1	1,1
Discharge flange, dia. mm		200	250	250	250	300	300
Dust Inlet Connection, dia. mm		108	152	152	152	152	152
Clean Air Connection, dia. mm		108	152	152	152	2x152	2x152
Layout		F-30826	SD-10021	SD-10022	SD-10023	SD-10024	SD-10025

We reserve the right to alter any specifications without prior notice

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