

## DISAB Engineered Vacuum Systems



### Filter Unit BEASS

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

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

The BEASS-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 the main filter system and filter cleaning equipment. The lower conical part is the dust-bin 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
- Several options for filters and other accessories
- Hopper with favourable discharger angle and inspection door

#### WHY BEASS

One of the most important problems to solve when planning a central cleaning system is the handling of the collected dust and material. BEASS 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 desig-

ned 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.

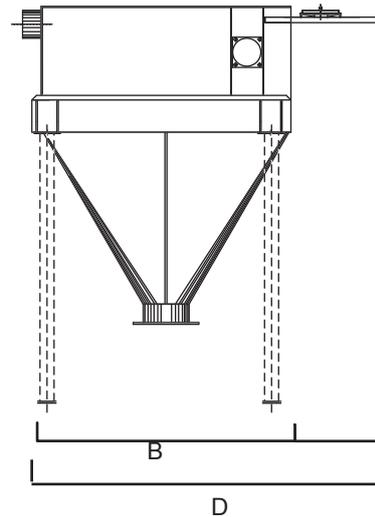
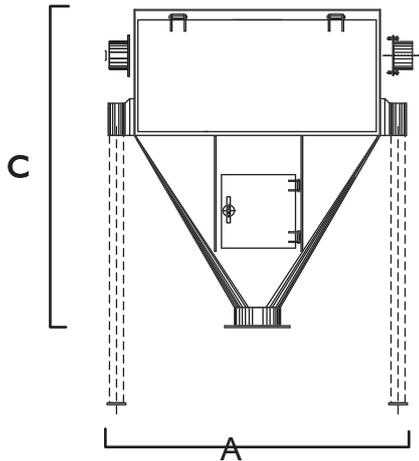
The BEASS Filter Separators are designed for stationary operation and shall be placed on a steel structure stand support adapted to discharging conditions.

#### APPLICATION

For use in any industrial application where reliable filters are requested for separation of dust or material. BEASS 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.



## Filter Unit BEASS

### MAIN FILTER

Filter compartment contains a cassette filter with flat filter bags, made of specially treated polyester needle felt. Service of filter is easy sideways from the clean air side on the outside 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 is connected to the filter compartment, and the whole unit is designed to stand on four 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, PaddleType
- Bin Level Control, Vibrator Type
- Extra Noise Insulating ATM-Valve
- Filter Cleaning, ATM-Repulse
- Filter Cleaning, JET-Pulse
- Separate Control Box, for ATM-filter cleaning
- Stand Double Dump Valve Discharge
- Stand for Flap Valve Discharge

Item/Model		BEASS-5	BEASS-10	BEASS-15	BEASS-20
Dimensions, mm	A	1000	1610	2170	1630
	B	1450	1470	1490	1490
	C	1630	1790	2270	2380
	D	1930	2000	2000	1880
Weight, kg (excl. stand)		280	600	780	855
Max Vacuum, mbar		500	500	500	500
Filter Surface, m <sup>2</sup>		5	10	15	20
Dustbin Volume, m <sup>3</sup>		0,3	0,6	1,1	0,6
Dust Inlet connection dia. mm		108	152	152	152
Discharge flange, dia mm		250	250	250	250
Clean Air Connection, dia. mm		108	152	152	2x152
Layout		SD-10009	SD-10010	SD-10011	SD-10012

We reserve the right to alter any specifications without prior notice

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