



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

BEASS/BEASL

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 main filters designed to be connected 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 dustbin for separated material. Dry material and even liquids can be handled by the filters.

- Rigid design for industrial use
- Designed for high vacuum systems
- Filter system which can handle dry and wet material
- 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. The unit can be fitted with different valves depending on the type of material and mode of operation. A bin-level control can also be fitted.

FEATURES

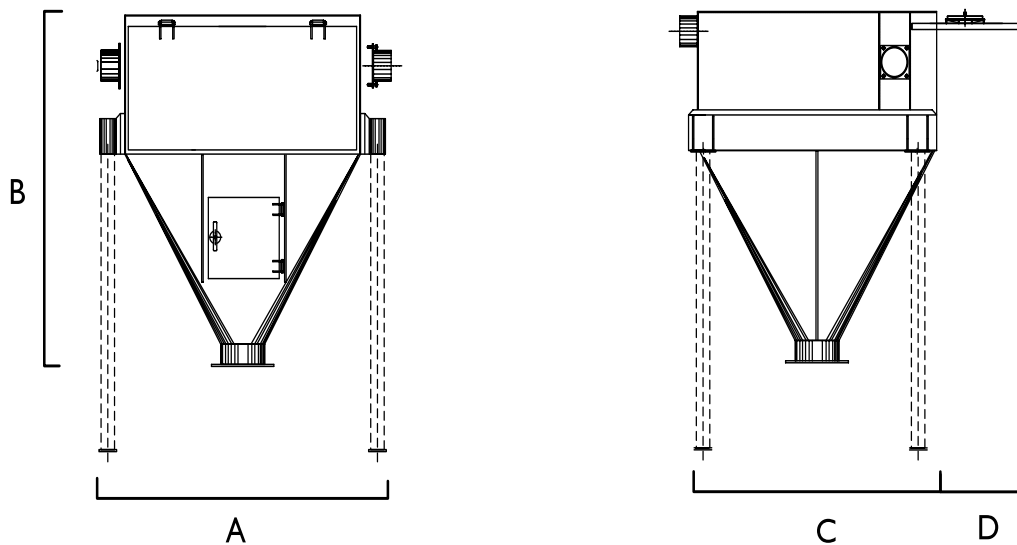
The filter unit is equipped with ATM (repulse) filtercleaning. Large air inlets will make sure that a fast equalisation of the vacuum in the filter unit is done backwards through the filters. This cleans the filter efficiently. The frequency for this ATM function can be adjusted. The filters can also, as an option, be equipped with pneumatic, JET-pulse, filter cleaning.

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.



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.

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.

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.

MISCELLANEOUS

Dust emission: <20 mg/Nm³
 Hose-connect: 2 x Ø 152 mm (in and out)
 Material: SIS steel 1312
 Painting: Surface treatment and painting according to system M2.
 Colour blue RAL 5007

OPTIONS

- Bin level control
- Pneumatic Jet-Pulse filter cleaning
- Sluice discharge system
- Big-bag filling system
- Customer painting specification
- Customer bracket specification
- 800 mbar vacuum operation

Item \ Model		BEASS-5	BEASS-10	BEASS-15	BEASS-20	BEASL-30
Dimensions, mm	A	720	1330	1890	1330	1330
	B	1600	1755	2255	2320	2550
	C	1350	1350	1350	1350	1850
	D	600	600	600	600	600
Weight, kg (approx.)		300	430	550	680	800
Main Filter Surface m ²		5	10	15	20	30
Dustbin Volume, m ³		0,3	0,6	1,1	0,6	1,0
Discharge flange, dia. mm		150, 200, 250, 300, 350	200, 250, 300, 350	200, 250, 300, 350	250, 300, 350	250, 300, 350
Dust Inlet Connection, dia. mm		152	152	152	152	152
Clean Air Connection, dia. mm		152	152	152	152	2x152
Max. Vacuum, mbar		500	500	500	500	500

We reserve the right to alter any specifications without prior notice

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