ABVAC
Vacuum Recovery Systems

AIRBLAST

ABVAC is an electric-powered suction unit mounted onto a rigid stand equipped with retractable legs. The unit is designed for the collection of anything from dust up to 50mm debris into a big bag and is ideal for both mobile use and for fixed installations. The unit can also be combined with an abrasive storage hopper to allow recovered abrasive to be reused.

The retractable legs make it easy to move around and they allow the discharge outlet height to be adjusted to fit any size of big bag. It's transportability means that the unit is mostly used as a free-standing suction unit with the connection of a 3" or 4" hose. However, it is also suitable for fixed installations connected to a fixed installed pipe system with multiple suction outlets.

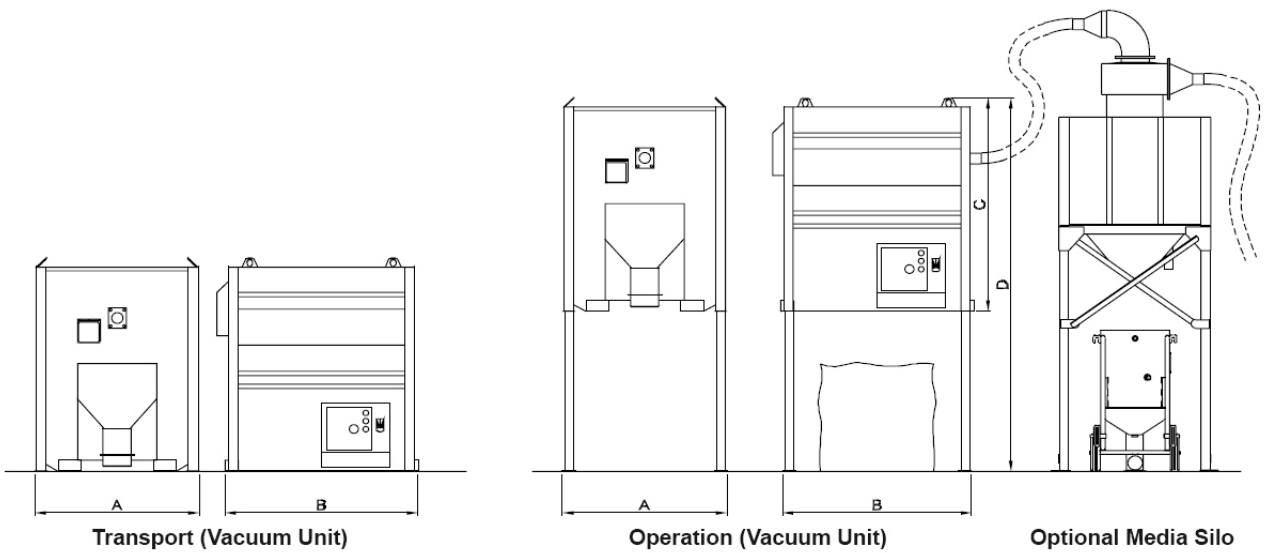
Optimal Solution
As the unit is designed and equipped with an outlet for connecting a big bag, it can be used without a separate drop out box. The unit requires no compressed air and offers huge airflow per kW. The high suction capacity, together with its flexible discharge system, makes the unit very useful in most grit recovery situations.
Due to its flexibility, the ABVAC unit gets access to most areas where cleaning needs to be carried out, increasing media recovery rates usually limited by long runs of hose. The unit is easily manoeuvred using a standard forklift truck or crane.

Why ABVAC
- Automatic big bag filling of collected material.
- Power alternatives 16.5 & 25kW.
- CEE power intake for 32 or 63 A respectively.
- Filter system for dry and moist material.
- Automatic ATM filter cleaning system, without compressed air.
- Easy height adjustment to suit various big bags.
- Improved safety and lower labour costs.
- Various options of safety filters.

Operation
The vacuumed material is first separated in a specially designed fall chamber hopper with inlet wear protection. In this section all heavier or larger material will fall under gravity into the bottom of the hopper. From this section the air stream will continue to the main filter system where the remaining fine airborne dust will be separated. Collected material from both the above sections is commonly collected in the conical hopper in the unit.
Discharge of material is made via the automatically operated balance valve at the bottom of the hopper. Discharge is executed parallel to each filter cleaning sequence, which normally takes place every 30 minutes.
Filter cleaning is automatic and executed by a filter cleaning valve (ATM) located between the filter and the vacuum pump. When this valve is activated and opens up, a counter flow of air is sucked in backwards through the filter bags, thus cleaning all filter bags simultaneously in a very short period. Thereafter the valve is closed again.
Cleaning intervals are normally every 30 minutes, and last for approximately 20 seconds, after which full vacuum is restored. This valve also ensures that when the unit is started, it starts unloaded and vacuum load is introduced approximately 10 seconds after Star/Delta sequence is ended. All functions for the operation of the unit are controlled from the built-in electrical panel.

Available with a wide range of flexible hoses, tools and extensions.

Item/Model		ABVAC 125	ABVAC 165	Optional Abrasive Silo
Dimensions, mm	A	1430	1430	Various sizes and capacities available
	B	1650	1650	
	C	1990	1990	
	D	3480	3480	
Weight, kg (empty)		1030	1130	
Max Vacuum, mbar		290	400	
Max. Air Volume m^3/h (unloaded) Electrical Motor, kW		1100 12,5	1100 12,5	
Voltage Frequency, V/Hz		400/50	400/50	
Filter surface, m^2		10	10	
Noise Level dB(A) (1 m/5 m distance)		75/70	75/70	
Dimension dust inlet, dia mm		108	108	
Layout drawing		SD-10043	SD-10043	



Transport (Vacuum Unit) Operation (Vacuum Unit) Optional Media Silo

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