

Standard suction units with fines separator series HS

The fines separator HS series is a new accessory for granulators and size reduction lines offered by HERBOLD and is suitable not only for new systems but can also be installed as an improvement to existing systems. The units are simple constructions and low-priced. They are of particular interest where beside-the-press granulators are in use, e.g. in injection moulding or blow moulding production lines.



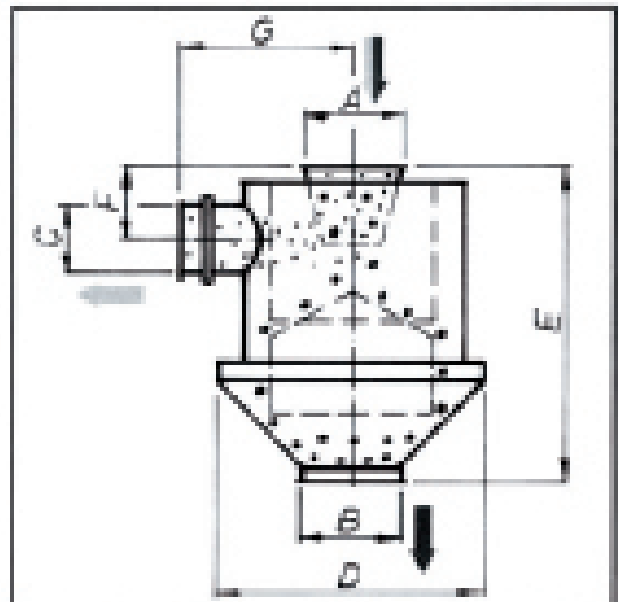
Cyclone separator with separator for fines HS 300 (big bag filling model)

The fines separator is of compact design and can be fitted under any granulate discharge opening. The picture shows the fines separator underneath the granulate cyclone. It has a height of approx. 19.75" (500 mm) so that under unfavourable conditions only the cyclone separator would have to be elevated. In cases of limited headroom HERBOLD can offer a special compact cyclone with separator to suit the given structural limitations.

The fines separator puts an end to the inconveniences of conventional dust separators:

- The unit not only removes dust from the granulate but also prevents dust and fluffs (a particular problem when dealing with HD-PE blow or injection waste) from soiling the plant rooms. No residual dust is discharged with the exhaust air.
- The cleaning of the unit can be carried out easily and quickly. There are no rotating parts in the separator that could lead to break-downs.
- The unit implements the force of gravity, i.e. the entry and exit of the unit are in the same axis. This simplifies fitting the unit as a later addition to existing systems.

The degree of separation can variably be adjusted using the regulator flap.



schematic drawing of fines separator HS

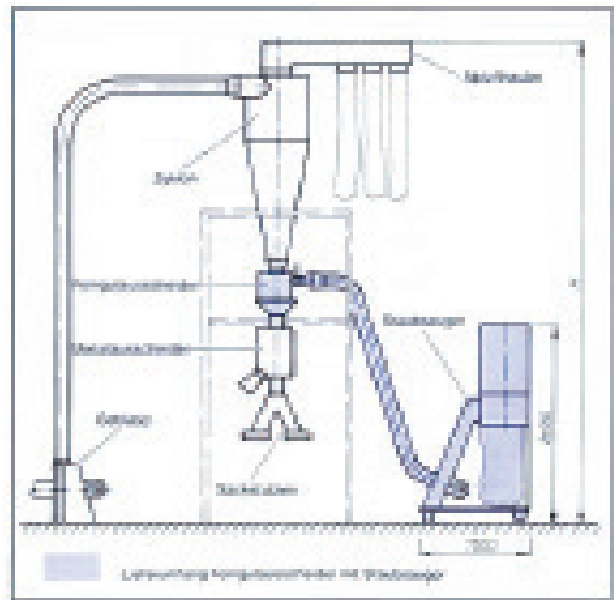
Technical features

Type	Ø A	Ø B	Ø C	Ø D	E	F	G	Throughput
HS 300	150	150	100	390	470	100	250	up to 1,5 t/h
HS 500	150	150	150	580	1300	45	400	up to 4,0 t/h

A positive secondary effect of fitting a HERBOLD fines separator:

Since this is a suction unit the material is not underpressure when leaving the separator. It is possible to fill the granulate into open containers or boxes or to feed it to a follow-up metal separator without the use of a bucket wheel sluice or other air tight equipment.

We also supply air separators of the TWR series for particularly difficult problems (e.g. PS/Alu separation).



Construction height* (mm)	Container filling (1300 mm Outlet height)	Suction unit type 8	Suction unit type 18	Suction unit type 30	Suction unit type 45 u. 55
	Sack filling (900 mm Outlet height)	(8 cbm/min) Blower 1,5 kW	(18 cbm/min) Blower 1,5 kW	(30 cbm/min) Blower 4 kW	(45/55 cbm/min) Blower 7,5/11 kW
Standard model: Cyclone separator with suction hood only		2560	4500	5450	5450
			3500	4500	4500
Standard model: + fines separator		3030	4500	5450	5450
			3500	4500	5700
Standard model: + metal separator		3030	4500	5450	5450
			3500	4500	4500
Standard model: + fines separator + metal separator		3500	5100	5920	6750
			4100	5000	5700

* These units can be supplied as specially adapted models in two stages with material transfer equipment, in cases where the available room height is inadequate.

Our Product Range

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- Granulators
- Pulverizing Systems

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Specifications are not binding and subject to change without notice. 10 / 2019