



Herbold Flake Storage Silo

Type HRS

An essential part of a complete recycling plant for plastic scraps is to stock, homogenize, mix and discharge these valuable substances.

Herbold Meckesheim GmbH - specializing in size reduction and recycling of plastic scraps - supplies the suitable silo systems for all badly flowing materials as film flakes, fibres, mono- and multifilaments etc.



No bridging

Due to their often low bulk density, their free flowing characteristics and frictional electricity, badly flowing materials are susceptible to bridging, and thus, are extremely difficult to discharge from a silo. The design of the Herbold HRS silo prevents safely the bridging effect and ensures a trouble-free discharge of the badly flowing materials.

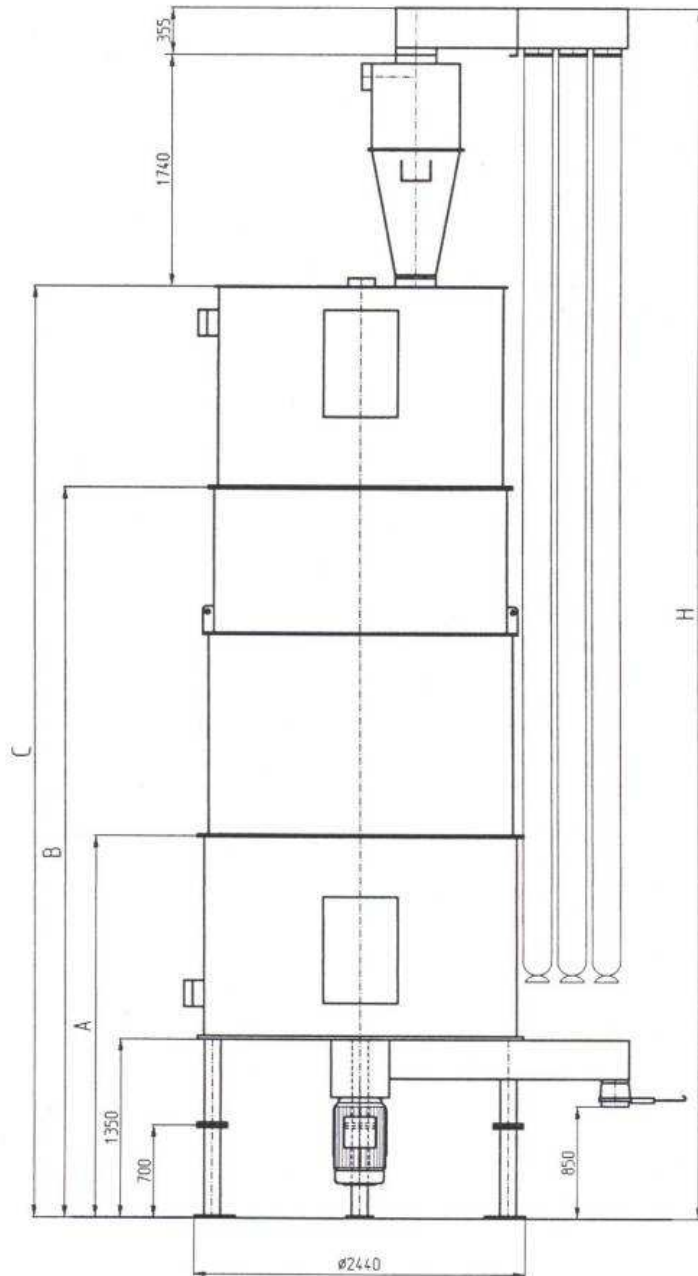
Design

The Herbold HRS silo features three principal components: the cone shaped silo body, the agitator shaft with agitating arm, and one or several discharge screws to supply different consumers. The agitator shaft and the agitating arm are driven by a gear motor mounted under the silo bottom..

Mode of functioning

The cone shaped silo body ensures that the following material continues sinking, even if it has a very low bulk density. The agitator screw with its agitating arm keeps the material moving and prevents bridging from the very beginning. The agitating arm is lying narrowly above the bottom and at each turn pushes the material over the opening under which the discharge screw is mounted.

The correct rotating speed of the agitating arm is decisive for a continuous discharge of the badly flowing material. The discharge screws are driven by a gear motor. There is a choice to adjust the speed of the discharge screw either by hand, or - when using a frequency converter - via the system control.



Accessories

For optimum filling, operation and maintenance the Herbold HRS Silo can be provided with different accessories: accessible silo roofs with railings, vertical ladders, manholes, and for the pneumatic filling blowers and cyclones with filter bags, available either in normal or in stainless steel as desired.

Advantages of the Herbold HRS Silo

- low power demand: the combination agitator shaft with agitating arm requires only one drive
- the cone shaped silo body combined with the agitator shaft prevents bridging
- consistent product discharge
- several discharge screws can be mounted to supply different consumers

Volume m ³	A	B	C	H
6	2885	-	-	4980
16	2885	5505	-	7600
20	2860	5390	6905	9000



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