

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, fibers, 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.

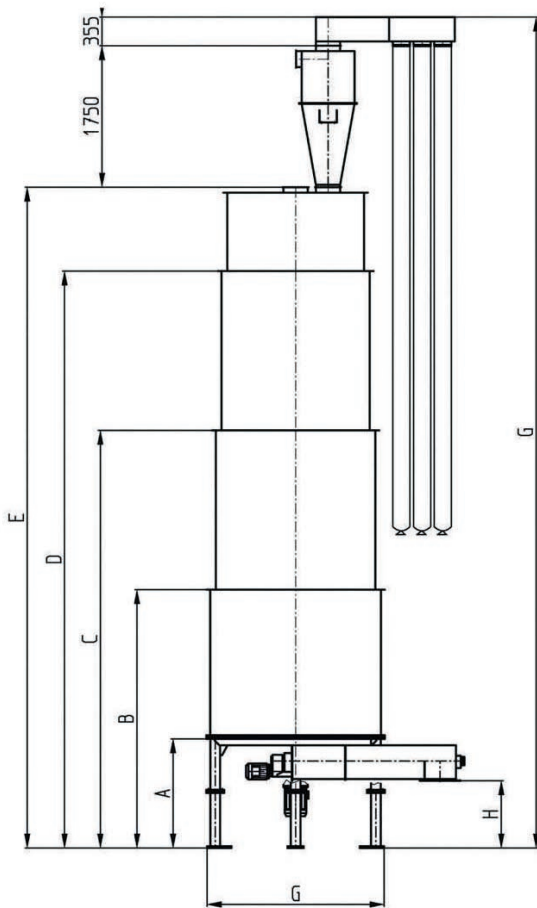
Design

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 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 by hand, or when using a frequency converter by the system control.



Accessories

For optimal filling, operation and maintenance the HERBOLD HRS Silo can be provided with different accessories: accessible silo roofs with railing, vertical ladders, manholes, and for the pneumatic filling blowers and cyclones with filter bags, available of normal or 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

HRS 1600

Volume m ³	A	B	C	D	E	F	G	H
3	830	2500				4605	1760	310
4	830		2930			5035	1760	310
8	830			4940		7045	1760	310
10	830				5920	8025	1760	310

HRS 2100

Volume m ³	A	B	C	D	E	F	G	H
6	1350	3270				5375	2180	830
12	1350		5240			7345	2180	830
17	1350			7210		9315	2180	830
20	1350				8180	8180	2180	830

Our Product Range

Size Reduction

- › Shredder
- › Granulators
- › Pulverizing Systems

Washing / Separation Systems & Components

- › Pre-washing Units
- › Friction Washers
- › Separation Tanks and Hydrocyclones
- › Mechanical and Thermal Drying
- › Water Processing

Agglomeration

- › Plastcompactors

Service

- › Parts and Overhauls
- › Inspections and Trouble Shooting
- › Upgrades and Performance Service

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