FIBER SILO

DESIGN & FUNCTION

Due to their relatively low bulk density, unfavourable buoyancy, critical consistence or static electricity, light-weight materials such as fibers easily tend to bridge when being storaged and discharged. The purpose of the Fiber Silo is exactly to avoid this unwanted effect.

Low bulk density.	Specially for the processing of fibers with a low bulk density. Also suitable for different flakes and powder.
Bulk density.	Bulk densities of 50 to 100 g/m³ (0.05 to 0.1 kg/dm³).
Agitator shaft.	Agitator shaft with agitator. The agitator feeds the material continuously towards the discharge screw.
Material size.	Typical fiber lengths of 10 to 30 mm length.
Feeding.	Tangential feeding by means of pressure transport.
Conical.	The optional conical design ensures a slipping of the material and prevents bridging of the material.
Outlet.	Up to 3 controllable material outlets possible.
Discharge.	Consistent and adjustable discharge by means of separate discharge screw.
Manhole.	Manhole with limit switches for better maintenance of the silo.
Volume.	Volumes from 3 m³ to 40 m³.
Materials.	Normal or stainless steel.
Railing/vertical ladder.	Optional with the guard rails on top and vertical ladder inclusive back protection.
Options.	Other options and sizes available on request.

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TECHNICAL DETAILS

Volume [m³]	Cylinder Ø [mm]	Cylinder height [mm]	Total height*1 [mm]
3	1.750	1.500	2.600
5	1.750	2.500	3.600
8	2.200	2.500	3.600
10	2.200	3.000	4.100
15	2.500	3.500	4.660
20	2.500	4.500	5.660
25	2.500	5.500	6.660
30	2.850	5.000	6.160
40	2.850	6.500	7.660

*1: All dimensions are guiding values

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