

Flexible Silo

SIMPLE AND ECONOMIC STORAGE OF YOUR BULK MATERIALS

Flexible silos are highly relevant for the internal storage. The high strength polyester antistatic canvas allows storage of powders and food granules. The fabric, slightly porous and rot-proof, avoids the formation of condensation inside the silo while maintaining its dustproof properties. The shape of these silos can be square or rectangular for optimal use of space and provides filling capacities up to 60 m³. The flexible walls allow discharge of the product by gravity and prevents arching. Flexible silos are an ideal solution for industrial use thanks to their compact design, fast installation and longevity.

TECHNICAL SPECIFICATIONS

- Modular frame made of hot galvanized piping
- Body with fabric bag
- Top made of antistatic fabric suitable to breath and filter the air when loading
- Loading hose diam. 100 mm manufactured in SS304L with spherical joint 4L and sealing cap to load the silo from a truck
- Dust-proof material
- Reinforced fabric, very resistant
- Antistatic fabric



▶ Porous fabric very permeable to air to let the material breathe



▶ Quick and easy assembly and disassembly due to its compact design



▶ Economic solution with low transport costs



▶ Robust structure filled with a galvanized steel frame

Advantages



READY TO USE COMPLETE SOLUTIONS

The flexible silos PALAMATIC PROCESS are durable due to the high quality of used material. These flexible containers allow rapid and efficient storing of your products. Thanks to our expertise and experience, our engineers offer you complete storage projects starting from the solution development and its planification till the installation of the equipment on site.



Options



Level probe

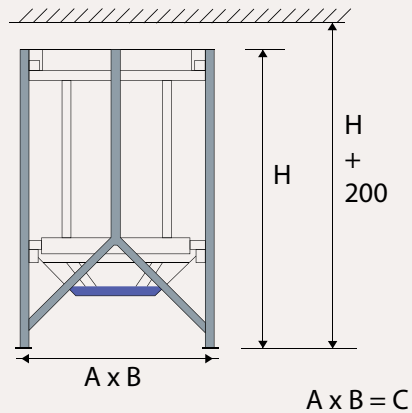


Vibrating bottom

Flexible Silo

Dimensions and Capacities

Examples of Implementations



Dimensions	A	1,600		1,600		1,800		1,800		2,000		2,000		2,200		2,400		2,400		2,600	
	B	1,600		2,000		1,800		2,200		2,000		2,000		2,200		2,600		2,400		2,600	
Surface	C	2.56		3.20		3.24		3.96		4.00		4.80		4.84		5.72		5.76		6.76	
H,mm		m ³		t.		m ³		t.		m ³		t.		m ³		t.		m ³		t.	
1,800		3.1	1.8	3.5	2.1	3.74	2.2	4.2	2.5	4.4	2.6	4.7	2.8	5.1	3.0	5.3	3.2	5.6	3.3	6.2	3.7
2,000		3.5	2.1	4.1	2.4	4.3	2.6	4.9	2.9	5.1	3.1	5.6	3.3	6.0	3.6	6.4	3.8	6.7	4.0	7.5	4.5
2,200		4.0	2.4	4.7	2.8	4.9	2.9	5.6	3.4	5.9	3.5	6.5	3.9	6.9	4.1	7.4	4.4	7.8	4.6	8.8	5.2
2,400		4.5	2.7	5.3	3.2	5.5	3.3	6.4	3.8	6.6	4.0	7.4	4.4	7.8	4.7	8.5	5.1	8.9	5.3	10.0	6.0
2,600		4.9	2.9	5.9	3.5	6.1	3.6	7.1	4.3	7.4	4.4	8.3	5	8.7	5.2	9.6	5.7	9.9	5.9	11.3	6.8
2,800		5.4	3.2	6.5	3.9	6.7	4.0	7.9	4.7	8.1	4.9	9.2	5.5	9.6	5.7	10.7	6.4	11	6.6	12.6	7.5
3,000		5.9	3.5	7.1	4.2	7.3	4.4	8.6	5.1	8.9	5.3	10.1	6	10.5	6.3	11.7	7	12.1	7.2	13.2	7.9
3,200		6.3	3.8	7.7	4.6	7.9	4.7	9.3	5.6	9.6	5.7	11	6.6	11.4	6.8	12.8	7.7	12.7	7.6	14.5	8.7
3,400		6.8	4.1	8.2	4.9	8.5	5.1	10.1	6	10.3	6.4	11.9	7.1	12.3	7.4	13.4	8	13.7	8.2	15.8	9.5
3,600		7.3	4.4	8.8	5.3	9.1	5.4	10.8	6.5	11.1	6.6	12.8	7.7	13.2	7.9	14.4	8.6	14.8	8.9	17.1	10
3,800		7.7	4.6	9.4	5.6	9.7	5.8	11.5	6.9	11.8	7.1	13.2	7.9	13.7	8.2	15.5	9.3	15.9	9.5	18.4	11
4,000		8.2	4.9	10	6	10.3	6.2	12.3	7.3	12.6	7.5	14.1	8.5	14.6	8.7	16.6	10	17.0	10	19.6	12

Dimensions	A	2,600		2,600		2,800		2,800		3,000		3,000		3,200		3,400		3,400		3,600	
	B	2,600		3,000		2,800		3,000		3,000		3,400		3,200		3,600		3,400		3,600	
Surface	C	6.76		7.80		7.84		8.96		9.00		10.20		10.24		11.52		11.56		12.96	
H,mm		m ³		t.		m ³		t.		m ³		t.		m ³		t.		m ³		t.	
3,500		16	9	18	10	18	10	20	12	20	12	22	13	22	13	24	14	24	14	27	16
4,000		19	11	22	13	22	13	24	14	24	14	27	16	27	16	29	18	30	18	33	20
4,500		22	13	25	15	25	15	28	17	29	18	31	19	32	19	35	21	36	21	38	22
5,000		25	15	28	17	30	18	32	19	33	20	36	21	36	21	39	23	40	24	44	26
5,500		28	17	33	20	33	20	36	21	36	21	40	24	41	25	44	26	45	27	50	30
6,000		31	19	36	21	36	21	40	24	40	24	45	27	46	28	50	30	51	31	56	34

▶ PLASTIC PRODUCTS STORAGE

Customer: Extrusion for insulation, electric cable

Product: Plastic, compound

Installation details:

The storage silos ensure the storage of different raw materials for a continuous feeding of extruders.

Product changing is facilitated by a silo hygienic conception.

The silos are loaded by a pneumatic conveyor from sacks and bulk tanks.



▶ FLOUR STORAGE

Customer: Industrial bakery

Product: Flour

Installation details:

The different flour types are stored in silos connected with the mixer by means of pneumatic transfer system that ensures the forming of the premix.

The multi-output suction box connected to the silo bottom ensures the feeding of three mixers.

The pneumatic suction transfer is adjusted by cyclone load cells.

