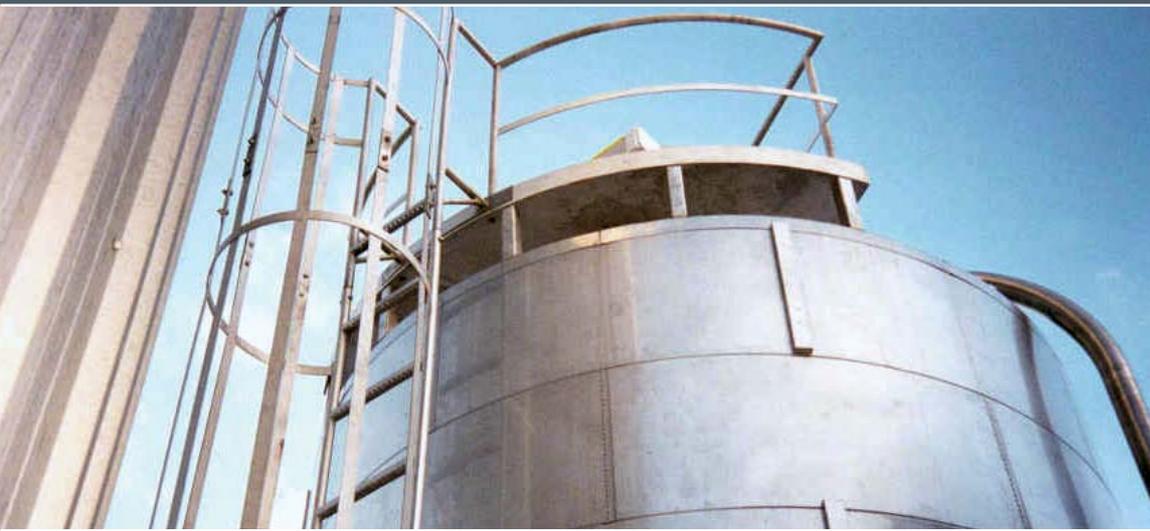


TEKFA Modular Silo Concept



Insulated silo - easy mounting



TEKFA Modular Silo Concept

Discover the world of TEKFA

TEKFA is a global supplier of turnkey projects for processing, handling and storage systems for a wide variety of industries. In addition to this TEKFA develops and distributes a complete programme of weighing equipment, silo mounts and weighing indicators and weighing and dosing units.



Your benefits

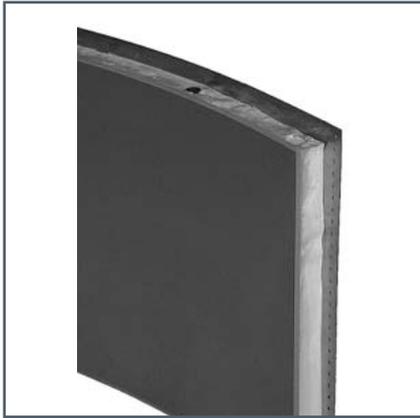
- › Easy to design and equip
- › Easy to transport
- › Installation without interrupting existing production
- › Simple and easy to mount
- › Suitable even in limited space
- › FDA-approved silicone and stainless steel ensure protection of stored material
- › Designed for all kinds of powder and granulates
- › Especially good for hygroscopic powder
- › Insulated for precaution against condensate
- › Outdoor and indoor installation
- › The silo can be enlarged or reduced according to your needs

The TEKFA modular silo concept is a result of genuine TEKFA innovation.

We are constantly working with one objective in mind: To deliver silo solutions that make a difference. The concept offers you quality and convenience in all phases of the process from purchasing to daily maintenance.

Genuine TEKFA innovation

The newly developed silo module is the cornerstone of the TEKFA Modular Silo Concept. It is a flexible building block that gives you all the benefits of a modular silo and in addition to this it secures a completely impervious silo.



▼
Silo module

22 kg 650×1250×50mm.
A module is made of 2 plates of stainless steel with an intermediate layer of polyurethane foam.



▼
Outer wall

The outer walls are connected by means of stainless steel closed end pop rivets.



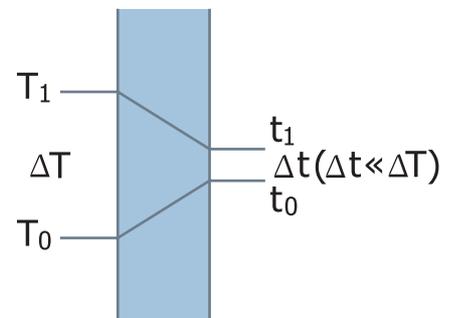
▼
Inner wall

Around the inner plate there is a gasket of FDA-approved silicone.

The silo modules are assembled so the two gaskets are pressed against each other. Long term experiments show that this method provides a completely tight inner wall – also at fluctuating temperatures, where the elastic gaskets “work” in time with the extension and contraction of the steel.

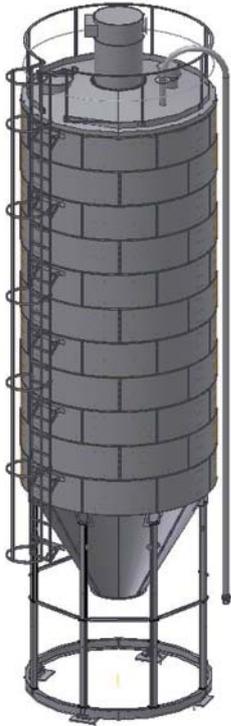
Even dry air contains water vapour and with falling temperatures the risk of condensate rises. Caused by the effective insulation the difference between t_1 and t_0 is much smaller than the outside difference between T_1 and T_0 .

Therefore, falling temperature outside the silo will not lead to formation of condensate inside the silo.

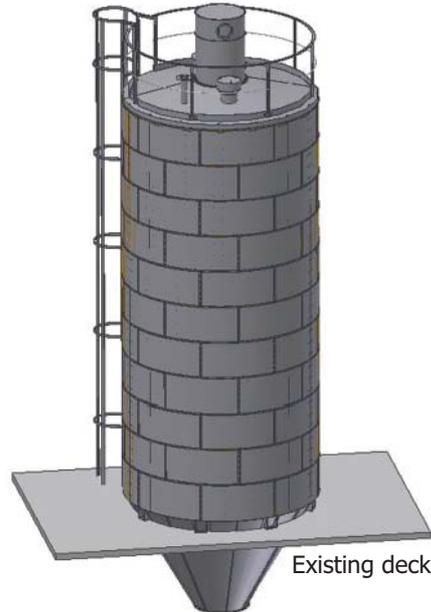


Versatile solutions for any need

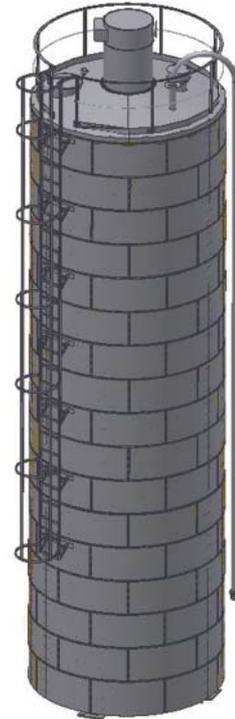
The TEKFA modular silo concept is supplied with standard parts such as filter, filling pipes, ladder, and other equipment.



▼ Silo with mounts for load cells.



▼ Especially for mounting above existing production.



▼ Fully skirted silo with door-way.

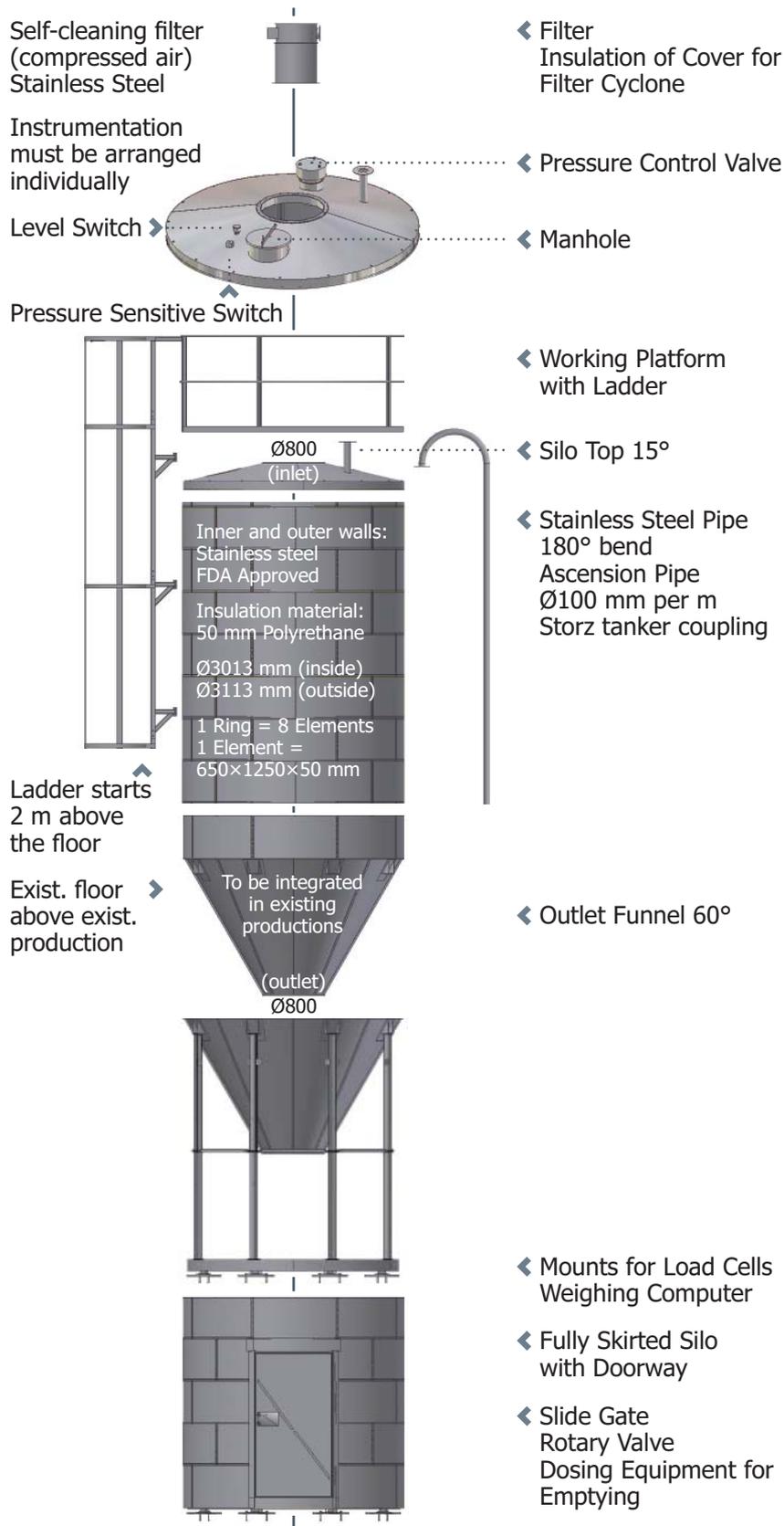


◀ Through the silo door there is easy access to emptying and weighing equipment.

When mounted, the silo rests ▶ on a stainless steel ring and 4 load cells. The load cells can be serviced from inside the silo.



Modular Silo with Accessories



Security and control:

Pressure Control Valve

Level Switch

Pressure Sensitive Switch

Manhole (Ø500 mm)

ATEX system (Explosion protection)

Vol. m ³	Total Height	No. of Silo Rings
14.9	4.7	7
19.1	5.3	8
23.4	5.9	9
27.6	6.5	10
31.9	7.1	11
36.1	7.6	12
40.4	8.2	13
44.6	8.8	14
48.8	9.4	15
53.1	10.0	16
57.3	10.6	17
61.6	11.2	18



Load Cells, 4 Pcs.

Load Cells: RBST Stainless Steel
Capacity: Up to 60 ton totally

Erection:

Approx. 15% of the total cost for the installation



TEKFA A/S
Århusvej 201
DK-8464 Galten
Denmark

Phone + 45 86 94 67 00
Fax + 45 86 94 67 88

Web: www.tekfa.dk
E-mail: tekfa@tekfa.dk

 TEKFA Modular Silo Concept