AGRO

Small Outdoor Silos

With a **FullFlow** system that ensures high fodder quality

TUNETANKEN

Small Outdoor Silos

with a FullFlow system for a high fodder quality

A silo, at its core, may come across as a simple product – but then again, not!

Small Outdoor Silo must meet a number of requirements:

- Silo must be easy to install according to regulations, and it has to be levelled.
- Silo must continuously maintain a high level of hygiene.
- Silo must be strong and robust.
- Silo must be dimensionally stable at both high and low temperatures.
- The silo must be easy to inspect and monitor.

Tunetanken Small Outdoor Silos are of the highest quality. Our Small Outdoor Silos are made of a fiber-reinforced composite material. A unique material that is also used for the manufacturing of highly strained products such as windmills, ships, airplanes, bridges, etc.

Fiberglass silos do not corrode! *Salt and ammonium in the feed, combined with water condensation, result in corrosion, which composite materials are resistant to.*

Model	Capacity	Content	Diameter	Total Height
FC4	4,5 m³	2,9 t	2,400	3,900
FC6	6 m³	3,9 t	2,400	4,200
FC8	8 m³	5,2 t	2,400	4,600
FC10	10 m³	6,8 t	2,400	5,200

Tunetanken Small Outdoor Silos come in four sizes.

It is also a material that can be reused.

Tunetanken Small Outdoor Silos are thought out with regard to installation, operation, maintenance, life cycle, environment.

Benefits

1. **Fully moulded silo**
   No bolted joints where fodder residue can accumulate or rain water can enter the silo.
2. **Smooth inner surfaces**
   Smooth inner surfaces ensure that the fodder slides easily. This makes cleaning of the silo easy ensuring a dynamic mass flow and, therefore, a high fodder quality.
3. **Fiberglass**
   Manufactured in fiberglass reinforced polyester, a robust and insulating material which protects against e.g. condensation and corrosion. Temperature resistance –/+ 100° /90° C.
4. **Cyklon**
   Provides smooth distribution of the media when filling and thus minimal separation. Furthermore, during filling it ensures ventilation and minimises heat generation in the media, which reduces the risk of condensation.
5. **Ventilation**
   A large ventilation area protects the silo from overpressure when blowing the media in.
6. **Filling**
   Blow-in pipe and bending with a large radius for minimal impact and separation during filling.
7. **Cone with a 62,5° slope**
   Fully moulded cone with smooth surfaces together with the FullFlow bottom outlet ensure a safe and complete discharge.
8. **Strong steel legs**
   Steel legs in strong galvanized steel are assembled without bolted joints.
9. **Rain collar**
   Rain collar above the outlet diverts the rain water away from the silo, protects the screw conveyor and the fodder machine.
10. **Silo of the highest quality**
    Tunetanken logo is a guarantee for a highest quality silo.

An efficient blow-in system with a cyclon and ventilation distributes the media, ensuring that it doesn't get packed too tight, and minimises risk of condensation.

FullFlow system

»First in - First out«

Prevents old, rotten and toxic feed.
An efficient and hygienic discharge system is based on a combination of:

- A fully moulded silo with smooth surfaces and without bolted joints ensures that the media slides easily, unhindered, and in a dynamic and uniform pattern. The media is discharged through the bottom outlet, therefore, the first media blown in, is also the first to come out.
- Composite materials have naturally high thermal insulation which minimises condensation, preventing the media from sticking to or absorbing the moisture from the surfaces of the silo.
- An efficient blow-in system and ventilation of the silo.
- A bottom outlet with a steep 70° slope and without joints allows for media to slide easily and minimises compressing.

Extra equipment

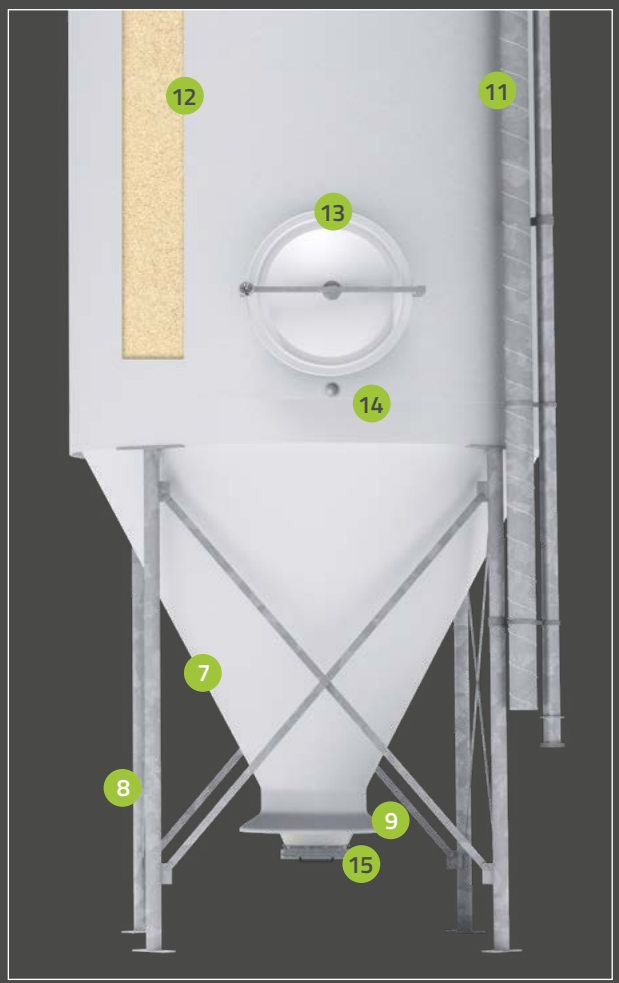
11. Ventilation pipe
Air can be led to the terrain through a filter exhaust, which keeps the silo and surroundings free from dust.

12. Level indicator stripe
Provides a continuous quick overview of the consumption in the silo.

13. Manhole
Manhole with a hinged cover facilitates inspection and cleaning of the silo.

14. Electronic level sensor
Electronic level sensor for secure operation. Sound and light signals as well as messaging can be additionally connected.

15. Bottom outlet for every need
Bottom outlet can be connected to different screw conveyors, fodder and transportation systems. Our FullFlow outlet system also ensures optimal hygiene.



Tunetanken

With more than 50 years of experience working with fiber-reinforced composite materials, their unique advantages and a large standard product programme we have developed our market position as the leading Danish manufacturer of storage tanks, industry systems and silos in composite materials.

Tunetanken markets a large and varied programme of products and facilities for various purposes as well as supplies a large range of industries including agriculture, industry, wastewater and water treatment for energy sector. We produce all our solutions in fiber-reinforced composite materials – the same materials that are used in the manufacturing of space shuttles, air planes and wind mills. With benefits as strength, corrosion resistance and long life cycle, composites are among the popular materials of the future.

Agro

Tunetanken offers a broad programme of products, facilities and systems for agriculture. We produce silos, tanks, airtight silos, grain handling systems, hay and grain drying systems, carcass covers, slurry systems, shelters, buildings, irrigation systems, barn inventory et al.

Most of our products are made with the incorporation of fiber-reinforced composite materials, which with their unique properties are extremely suitable for the demanding agricultural environment.

Modern composite materials are materials of the future. The innovative and unmatched technical material properties contribute greatly to the development of new sustainable products and solutions, which are necessary for a sustainable future.

Composit

Composite is derived from the Latin word »componere«.

Composite materials are made by combining two or more materials (physically not chemically), thereby creating a new material with specially intended and superior properties.

Technical properties of composite materials derive from the initial qualities and properties of the combined materials, the combination of the fabrics (matrix, reinforcement, hardener, additives), as well as, the production processes and conditions.

Possibilities are endless!

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