



AGRO



Outdoor silos

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



Outdoor silo

With FullFlow system – that ensures high fodder quality.

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

An outdoors silo must meet a number of requirements:

- > A silo must be easy to install in accordance to the requirements and it has to be leveled.
- > A silo must continuously maintain a high level of hygiene.
- > A silo must be strong and robust.
- > A silo must be dimensionally stable at both high and low temperatures.
- > A silo must be easy to inspect and monitor.

Tunetanken outdoor silos are of the highest quality. Silos are manufactured in fiberglass reinforced composite. A unique



A fiber glass silo doesn't corrode! Salt and ammonium in the feed, combined with water condensation, results in chemical corrosion, to which composite materials are resistant.

material also used in the manufacturing of highly strained products such as windmills, ships, airplanes, bridges, etc.

It is additionally a material that can be reused.

Tunetanken silos are thought out with regard to installation - operation - maintenance - life time - environment.

Benefits

1. Whole-cast 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 isolating material which protects against e.g. condensation and corrosion. Temperature resistance –/+ 100° /90° C.

4. Cyclone

Provides smooth distribution of the medium when filling and thus minimal separation. Furthermore, it ensures ventilation when filling as well as minimises heat generated in the medium and this way reducing the risk of condensation.

5. Ventilation

A large ventilation area protects the silo from overpressure when blowing the medium in.

6. In-blowing

A blowing pipe with a big bending radius for minimal effect and separation when injecting the medium.

7. Cone with a 62,5° slope

Whole-cast cone with smooth surfaces which together with **the FullFlow bottom outlet** ensures a safe and complete emptying of the silo.

8. Strong steel legs

Steel legs in strong galvanized steel assembled without through bolts.

9. Rain collar

Rain collar above the outlet diverts rain water away from the silo and protects the feed screw and the fodder machinery.

10. A silo of the highest quality

The Tunetanken logo is a guarantee for a silo of the highest quality.





An efficient blowing system with cyclon and ventilation, distributes and ensures that the medium is not packed too tight as well as minimises risk of condensation.

FullFlow system

»First in- first out«

In order to avoid old, rotten and toxic feed. An efficient and hygienic emptying system is based on a combination of:

- > A whole-cast silo with smooth surfaces and without assembly joints ensures that the medium can sink through the silo easily, unhindered, in a dynamic and uniform pattern. Medium is accessed through the outlet of the silo, therefore, the first medium blown into the silo is also the first to come out.
- > Composite materials have a high thermal insulation ability that minimises condensation so that the medium doesn't stick to or absorb the moisture from the surface of the silo.
- > An efficient in-blowing and ventilation of the silo.
- > A bottom outlet with steep 70° sides without joint edges, that allows medium to slide easily and minimises compressing.

Equipment

11. Ventilation pipe

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

12. Level indicator

Provides a continuous quick overview of the consumption in the silo.

13. Man hole

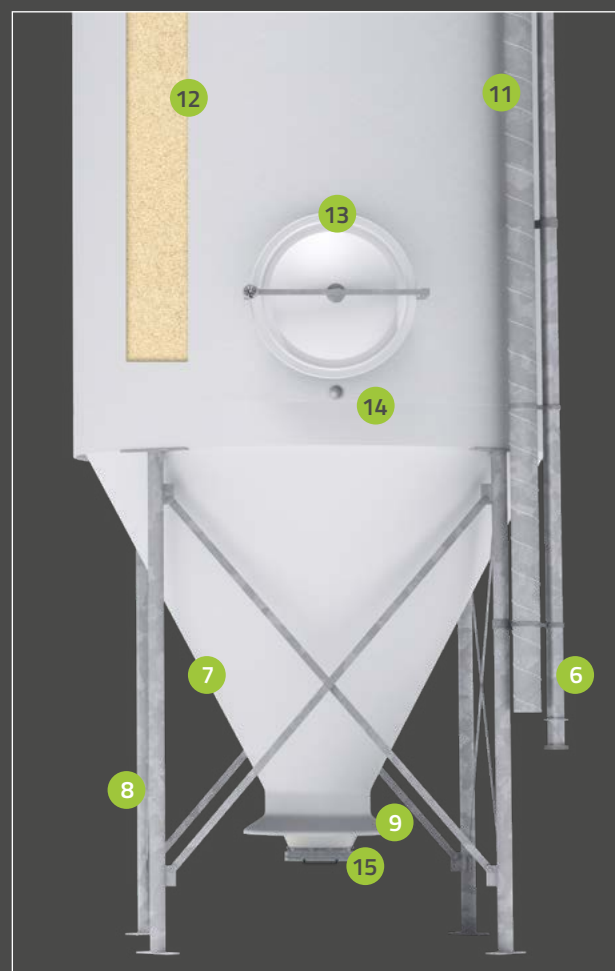
Man hole with a hinged cover for an easy inspection and cleaning of the silo.

14. Electronic level indicator

Electronic level indicator for secure operation. Sound and light signals as well as IT reporting can be additionally connected.

15. Bottom outlet for every need

Adapted to fit the connection of different feed screws as well as fodder and transport systems. The **FullFlow outlet system** ensures optimal hygiene.

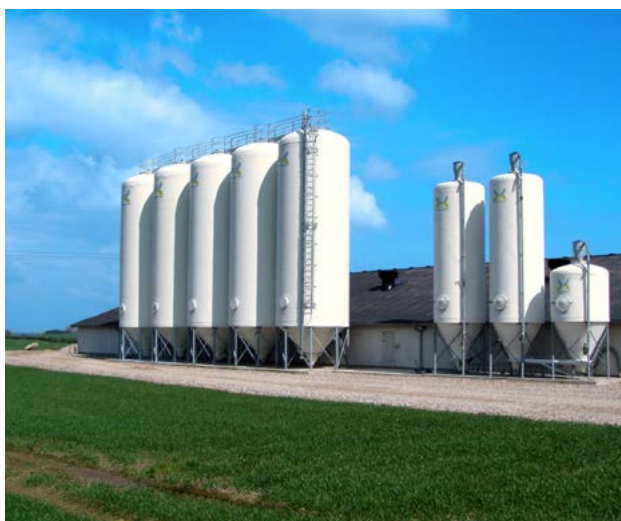




Tunetanken

With more than 50 years of experience in fiber-reinforced composite materials unique advantages and a large standard product program 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 program of products and facilities for various purposes as well as supplies a large range of industries including agriculture, industry, waste water and water treatment and the 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 time composites are among the popular materials of the future.



Agro

Outdoor silos, fodder silos, airtight silos and storage tanks for agriculture. Tunetanken silos and storage tanks are whole-cast in fiber-reinforced composite material which ensures long product life time and makes them ideal for storage of a wide variety of materials.

Every product is specially adapted to its use. In this fashion we produce our storage tanks, silos, industry systems, module storage tanks, scrubbers, smoke and air vents and chimneys etc. hereby ensuring secure and efficient operating conditions in our costumers' everyday operations.

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



Komposit

Composite is derived from the Latin word »componere«.

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

The new technical material properties are, thus, a function of the quality of the material properties, the combination of the materials (matrix, armoring, hardener, additives) as well as the production process and production conditions.

The possibilities are endless!

14.01.2021