INDUSTRY

Wood pellet silos

in fiber-reinforced composite adapted to the special needs for handling and storage of wood pellets

TUNETANKEN

Wood pellet silos

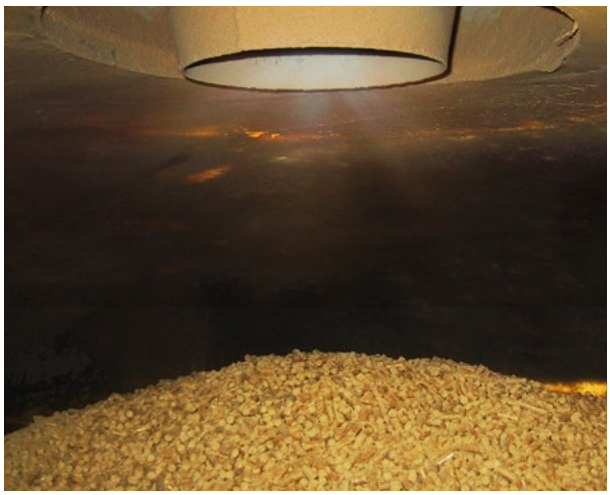
Optimal solution for storage of wood pellets

The Tunetanken wood pellet silos are the optimal solution for storing of wood pellets, as it is adapted to the special needs for handling and storage of wood pellets.

The silo is fully molded without internal bolt joints, which together with smooth insides and specially designed cones ensures that the contents slide easily and provide efficient emptying. The smooth insides also make cleaning of the silo easy, as residues cannot accumulate. A silo is basically a simple product – but still not!

A silo must be able to meet a number of requirements:

- The silo must be easy to install so that it is installed in accordance with the regulations and vertically and horizontally aligned.
- The silo must be strong and robust.
- The silo must be stable in both high and low temperatures.
- The silo must be easy to inspect and monitor.

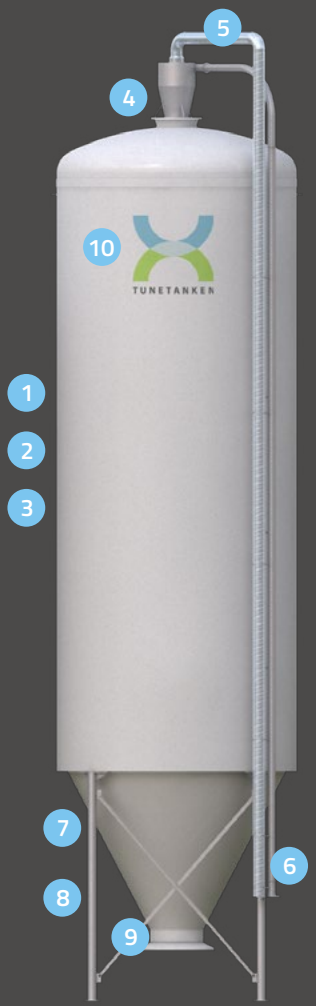


The Tunetanken wood pellet silos are of the highest quality. The silos are made of fiber-reinforced composite. A unique material that also is used for the manufacture of heavily loaded products such as wind turbines, ships, aircrafts, bridges, etc. – A material that can also be recycled.

A Tunetanken scrubber is well thought out with regard to establishment – operation – maintenance – service life – environment.

Benefits

1. **Fully molded silo**
   No bolt joints where wood pellet residues can accumulate or rainwater can penetrate into the silo.
2. **Smooth insides**
   The smooth inner surfaces ensure that the wood pellets release easily. It provides easy cleaning of the silo and ensures a dynamic mass flow and thus a high wood pellet quality.
3. **Fiberglass**
   Made of fiberglass-reinforced polyester, a robust and insulating material that secures the silo against e.g. condensation and corrosion. Temperature resistance –/+ 100° /90° C.
4. **Cyclone**
   Gives a gentle distribution of the medium when filling and thus minimal separation. Also ensures deaeration during filling and heat generation from the medium, which minimizes the risk of condensation.
5. **Ventilation**
   A large ventilation area protects the silo from overpressure when blowing in the media.
6. **Air inlet**
   Inlet pipe and bend with a large radius for minimal impact and separation of the medium when filling.
7. **7.Cone with 62.5° slope**
   Fully cast cone with smooth surfaces, which together **with FullFlow bottom outlet** provides safe and complete emptying.
8. **Powerful steel stand**
   Steel frame in heavily galvanized steel fastened without through bolts.
9. **Rain collar**
   Rain collar over outlets diverts rainwater from the silo and protects auger and transport systems.
10. **Silo of the highest quality**
    The Tunetanken logo is a guarantee for a silo of the highest quality.



Benefits of Wood Pellet Silos from Tunetanken

- Large program of complete storage solutions of wood pellets.
- Standard sizes from 4.5 to 150 m³.
- Made of fiber-reinforced composite material.
- Corrosion resistant and chemically resistant.
- Interior surfaces are smooth and without profiling for optimal emptying.
- Insulating and minimal condensation.
- Easy option for inspection and cleaning.
- Temperature resistance –/+ 100° /90° C.
- Available in different colors.

Equipment

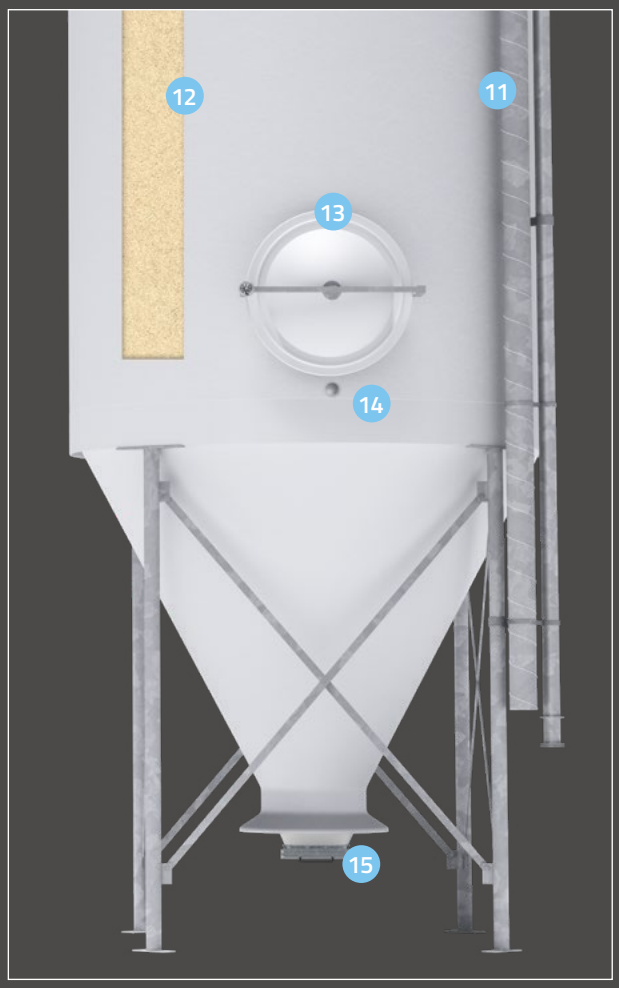
11. Vent pipes
The exhaust air can be led to the terrain and through a filter, which keeps the silo and the surroundings clean of dust.

12. Level indicator stripe
Provides an ongoing quick overview of the consumption in the silo.

13. Manhole
Manhole with hinged cover for easy inspection and cleaning of the silo.

14. Electronic filling detector
Electronic filling detector for safe operation. Audio and light signals as well as IT messages can be connected.

15. Bottom outlet for every need
Adapted to the need for connection to various auger and transport systems. **The FullFlow extraction system** ensures a high wood pellet quality.



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.

Industry

Standard and custom-designed solutions for industry produced in fiber-reinforced composite. Tunetanken manufactures i.a. silos, horisontal and vertical tanks, industrial pipes, chimneys and modular tanks. Tunetanken is also a supplier of products approved for contact with food.

Each product is specially developed to suit its exact application. This way we create tanks, silos, industrial systems, modular tanks, scrubbers, smoke and air ducts, chimneys, etc. that are secure and effective when it comes to the daily lives of our customers.

Modern composite materials are the 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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