



Modular tanks

in fiber-reinforced composite material



Modular Tanks

Tunetanken Modular Tanks for storage of dry or liquid media are customised to meet the requirements of your special operating conditions. Tunetanken Modular tanks are delivered in modules that can be assembled and mounted at the location.

Tunetanken Modular Tanks are manufactured in fiber-reinforced composite material, a solid and durable material that is resistant to tearing and climatic influences.

Due to the unique properties of composite material and the customisable design, Tunetanken Modular Tanks are suitable for many industrial purposes such as storage of corrosive liquid media e.g., acids/bases, saline solutions, process water, flocculent agents for wastewater purification as well as for a range of fuels. Fully laminated joints allow for easier cleaning and secure a high level of hygiene where bacteria cannot form.

Together with our great expertise working with composite materials and the latest developments within the subject,

we provide Danish-produced Modular Tanks of the highest quality. This way, we make sure that your Modular Tank is also an investment into your future.

Design

- > Load: pressure, vacuum, movement, and more can be adjusted to the stored media and operating conditions.
- > Density: depends on the stored media.
- > Temperature: $\pm 100^{\circ}/200^{\circ}\text{C}$ at operation (depending on material).
- > Chemical resistance: adjustable to media.
- > Customisable colour according to RAL colour card.

Extra equipment

- > Weighing and level measuring equipment.
- > Supply pipe in composite material or steel.
- > Warmth spiral or steam pipe for heating or maintenance of the constant temperature.
- > Leakage monitoring equipment for dangerous fluids.
- > Can be delivered with various studs, implementations, manholes and outlets.

Benefits

1. Smooth inner surfaces

Smooth inner surfaces facilitate the cleaning and ensure that the stored media can slide easily, securing a dynamic mass-flow.

2. Inspection hatch/ entrance

Custom made inspection hatch facilitates monitoring and cleaning of the tank.

3. Large inlet with a cover is placed at the top of the tank and can be coupled with different filling equipment/mechanism.

4. Customised bottom

Modular Tank can be produced with a flat, cone-shaped or dome bottom depending on your needs.

5. Diverse studs

For connection of various instruments, level sensors, measuring equipment as well as inlet/outlet that is adapted to existing system or machines.

6. A tank of the highest quality

Tunetanken logo guarantees a highest quality tank.





Benefits of Tunetanken Modular Tanks

- > Flexible modular system with broad applicability.
- > Large standard programme, sizes from 340 m³ to 12.500 m³.
- > Laminated construction secures watertightness and strength.
- > Produced in fiber-reinforced composite material with unique properties like corrosion resistance and chemical resistance.
- > Large programme of extra equipment.
- > Can be ordered in different colours.

Flexible modular system

7. Modular ladder/staircase

Modular staircase with railing and landing. When building several tanks together, a connecting walkway between the tanks is provided.

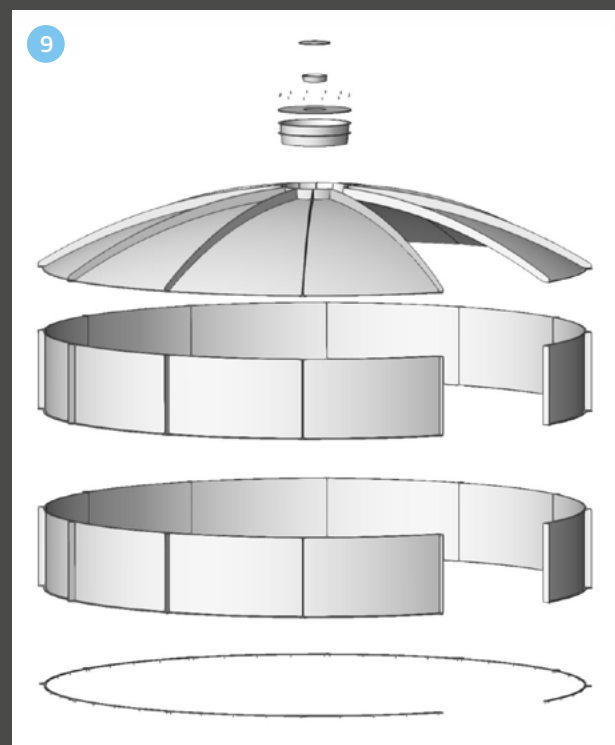
8. Inspection hatch

Inspection hatch placed at the top of the Modular Tank by the end of the stair landing.

9. Modular construction

Modular tanks allow for variable sizes and solutions. All joints are fully laminated for easy cleaning thus providing a high level of hygiene.

Tunetanken Modular Tanks are thought out with regard to installation – operation – maintenance – life time – environment.





Tunetanken

With more than 50 years of experience in fiber-reinforced composite materials 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 for 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 for 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, horizontal 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.

The 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!