AGRO

Irrigation Systems

Collection tank, sand trap and irrigation cannons

TUNETANKEN

Irrigation Systems

Tunetanken Irrigation Systems collect drainage water from the silage pits and other concrete and asphalt covered areas.

According to The Danish Environmental Ministry's executive order nr.: 764, runoff water must be collected in a slurry tank or an irrigation system for further repurposing.
By investing in an irrigation system you can save the money used on slurry distribution costs, which add up to a considerably large amount, since a 4,000 m² pit can collect up to 2,800 m³ of rainwater per year.

Tunetanken Irrigation Systems consist of a sand trap and a collection tank, which are both made from fiber-reinforced composite. The material is very strong, and, in this context, it is important that the tanks are easy to clean, as well as, that their smooth internal surfaces prevent the dirt accumulation.

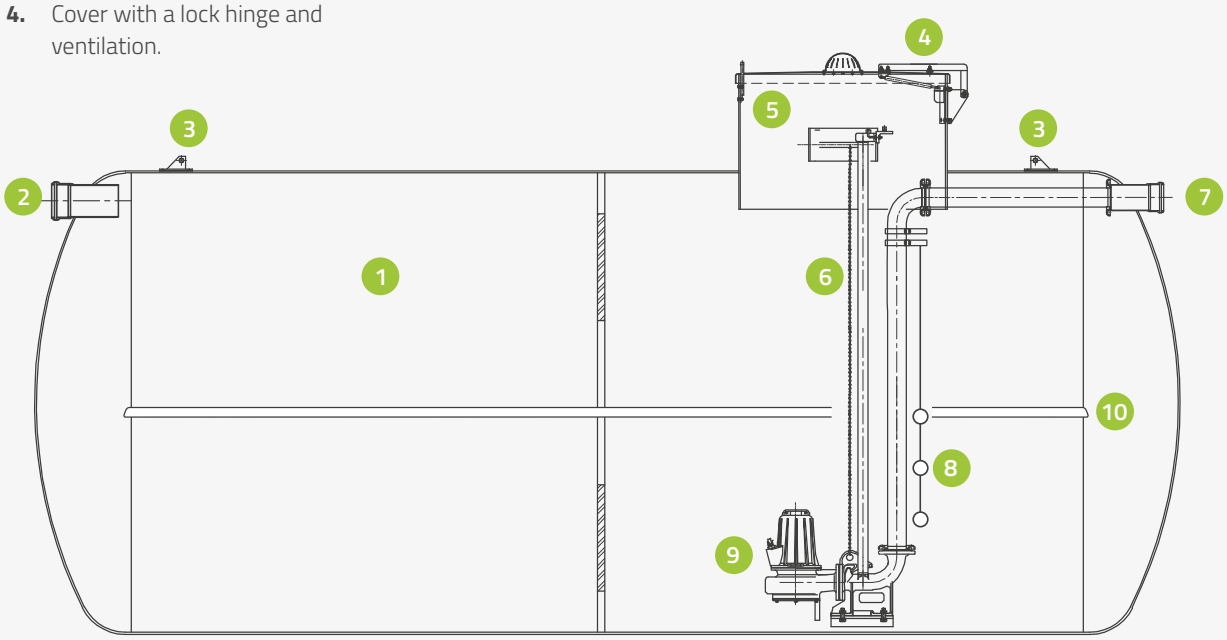
Irrigation Systems have specially designed grinder pumps, which cut up impurities into smaller pieces, thus preventing the pump and the irrigation cannons from clogging.
Place the irrigation cannons at a practical location in the field. Irrigation area should be at least the same size as the water collection area. Irrigation cannons are specially designed for water with impurities, preventing the system from stopping.

The pump can be raised up in the pump shaft.

The collection tank is a complete solution that includes a pump and uplift-resistance wings, which allow the tank to be installed in areas with higher ground water levels. The tank comes with a pre-installed pressure line, to which the further pressure line simply attaches to. The pump comes with coupling foot, making it possible to bring the pump up, without necessarily going into the tank, while control with sensors ensures a fully automated operation.

Tank equipment

1. Tank made from fiber-reinforced composite.
2. Tank's inlet.
3. Lifting lug.
4. Cover with a lock hinge and ventilation.
5. Shaft.
6. Guiding pipe.
7. Pump pressure line with a stop valve.
8. Service stage with level indicator.
9. Pump, pump coupling and pump foot.
10. Uplift resistance wing.

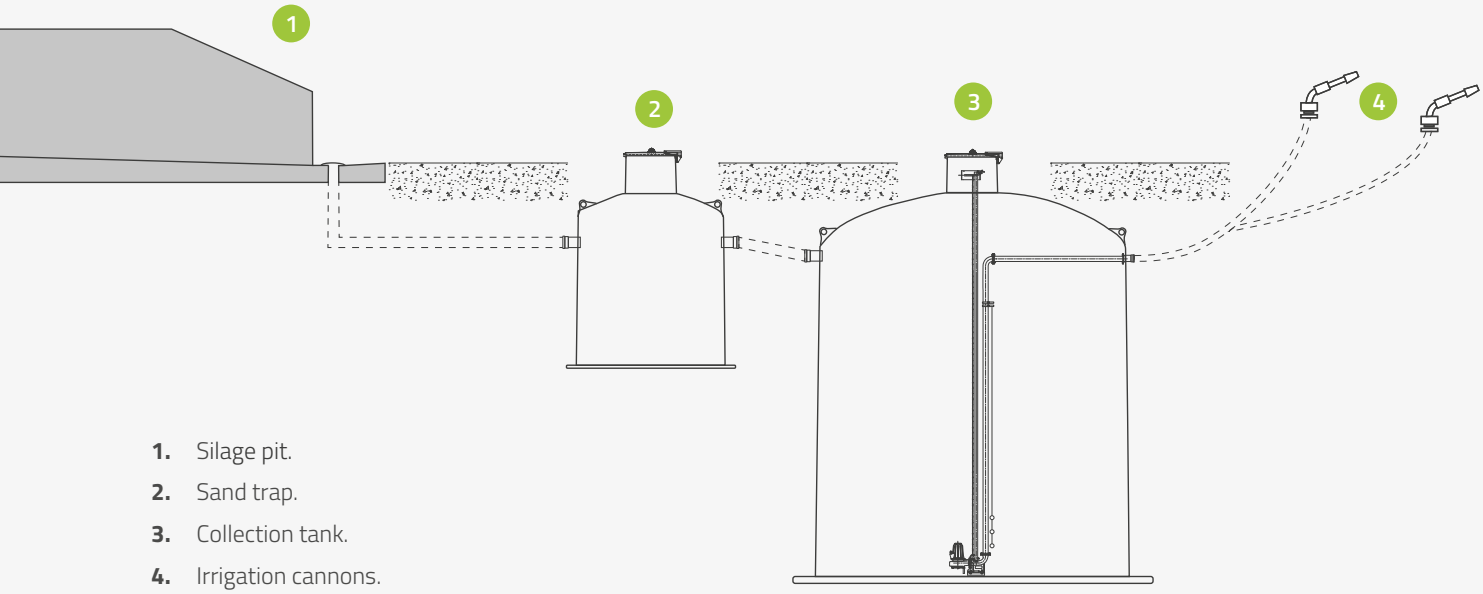


Fast installation and operation set up due to the light weight of the tank.

Benefits of Tunetanken Irrigation Systems

- Spares additional costs otherwise spent on water storage and distribution when collecting water in slurry tanks.
- The size of the system is tailored to your needs.
- The collection tank comes with a pre-installed pumping system.
- Fast installation and operation set up.
- Sand trap protects the pump, the pressure line and the irrigation system.
- Fiber-reinforced composite is corrosion resistant and chemically resistant.

How it works



1. Silage pit.
2. Sand trap.
3. Collection tank.
4. Irrigation cannons.

The sand trap and the collection tank are made from fiber-reinforced composite. A unique material which is also used for the manufacturing of highly strained products such as wind turbines, ships, aeroplanes and bridges. The Irrigation System is a complete solution that includes: a sand trap, a collection tank and a sprinkling system. The collection tank comes with a pre-installed pump as well as inlet coupling studs.

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 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 and more.

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.

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!

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