Behälter und Systemlösungen Tanks and System Solutions

UNIQUE.WORLDWIDE

Industrial and Municipal Waste Water Treatment
Process Water Solutions
Waste-to-Energy
Anaerobic Sludge Digestion
Biogas Plants
Gas and Thermal Storage
Bulk Storage Solutions
Slurry Storage

Industry, Communities and Agriculture

Tanks and System Solutions
for a wide variety of applications

FAMILY-OWNED COMPANY ////////////////////////////////////

Commitment for the Future

With over 65 years of experience in metal construction, LIPP has developed from a small workshop into an industrial enterprise operating on an international basis. Projects have been carried out in over 80 countries. On-site, we realize tanks and systems safely and in the shortest possible time. We produce tanks with a variable height and variable diameter of 5 to 40 meters using our unique onsite manufacturing technology.
We are a highly innovative middle-sized family business in Baden-Württemberg. Inventiveness, innovation and development are part of the DNA of our company.

The invention of the LIPP Double-Seam-System over 55 years ago has laid the foundation for our entrepreneurial success. Important milestones have been the development of the VERINOX® patented material and the intensive research work on biogas technology.
In the last fifteen years our business activities have expanded from mainly agricultural biogas plants to large projects for industry and municipalities. The company has made significant progress in certification of quality requirement and standards. In the past few years alone, we have developed three new products: a digester with a central agitator, a new type of buffer storage tank and tanks for drinking water. There is considerable potential for further development.

We know that success can only be maintained in the future with consistent progress. We will face the challenges of the future and view them as an opportunity to explore new development potential. We want to continue to take the technological lead in tank construction worldwide.

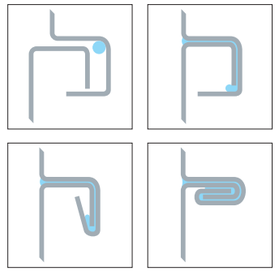
„Traditional, innovative and determined – shaping the future together with our employees and customers.“

Leon and Manuel Lipp

UNIQUE //

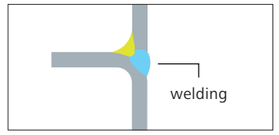
The System

LIPP® Double-Seam-System



When connecting the steel strips using the LIPP Double-Seam-System, the steel profiles are joined by folding them together twice. The automated process developed by LIPP back in 1970 enables a tight connection to be made with a smooth internal wall for the storage of solid, liquid and gaseous substances.
It ensures optimum storage, regardless of the type of substrate.

LIPP® Welding Technology



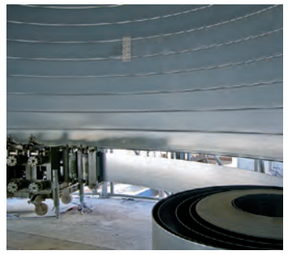
The LIPP Welding Technology is an automated process that offers dimensional flexibility. This involves joining steel strips together with two seams by means of a combined welding process. The patent and know-how developed by LIPP enables tanks made from stainless steel, e.g. for drinking water and tanks made from black steel, e.g. for storing oil.

PATENTED
EP 3 078 790

TÜV SÜD

TÜV NORD

AVIS TECHNIQUE CC FAT
VERINOX
n°17.1/18-332_V2 published on 15/06/2022

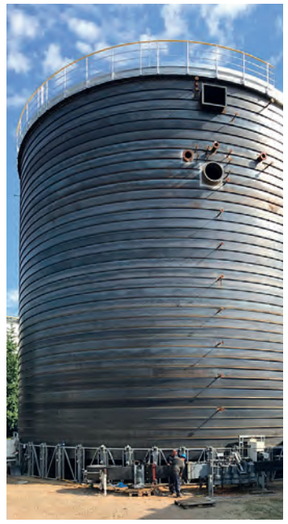


FLEXIBLE //

The Assembly

Characteristically LIPP digesters and tanks are built top-down, starting with the roof on top of the tank. Due to the spiraling-up all intrusions and openings can be installed at low lewels, ensuring an easy, safe and fast construction.
Transportable installation machines and individually shop-fabricated components guarantee the same quality level for any installation site in the world.

On-site welded stainless-steel 1.4301, 1.4571 or 1.4162
for Application:
. Potable water
. Chemicals/pharma
. Food industry



On-site welded carbon steel
for Application:
. Thermal storage tanks
. Bulk silo
. Cruede-oil storage tanks

VARIABLE //

Our Materials

LIPP offers a range of metallic materials suitable for use with a wide variety of media, from pure water to problematic and aggressive substances. Those materials range from galvanised/black steel through the combination material VERINOX® to high-alloy stainless steels.
Stainless steel VERINOX® is a patented, award-winning combination material that offers the properties of high-quality stainless steels, e.g. 1.4301, 1.4571 or 1.4539, at the cost of galvanised steel and has been in use for more than 30 years. The highest quality and longevity of materials are our top priorities.

Shop-welded stainless steel membrane
for Application:
. Gas-tight tank cover
. Stainless steel floor-system

Our Products for Industry, Communities and Agriculture

LIPP® Digester Systems

LIPP KomBio®-Reactor
from 100 to 3.500 m³

The patented LIPP KomBio®-Reactor, a digester with integrated gas storage, is working substrate flexible. The surrounding steel shell additionally protects the gas accumulator from wind, UV-radiation, and bad weather conditions, while the roof decreases the required heat output during winter.

LIPP® Universal Digester
from 100 to 7.000 m³

The LIPP Universal Digester does not have an integrated gas accumulator and is used for larger plants for industry and municipalities in connection with separate gas-storage.
Panel heating and insulation are fitted on the outside and are easily accessible. The tank is covered by a self-supporting stainless steel diaphragm roof and can be equipped with multiple lateral mixing solutions.

LIPP® UniCentralmix Digester
from 100 to 7.000 m³

Designed for industrial and municipal applications. Equipped with a free-supporting stainless steel membrane roof. Operating pressure up to 25 mbar and either with a central agitator or lateral mixing systems.

LIPP® Eco Digester
from 100 to 10.000 m³

The flexible LIPP Eco Digester for use in industry and agriculture can be adapted to individual requirements and customer demands. With a wide variety of different tank roofs to choose from, tank solutions with or without an integrated gas accumulator can be offered.

LIPP® Storage Tanks

Bulk Material Storage
Thermal Storage Tank
Gas Storage Tank

LIPP® Thermal Storage Tank
from 200 to 6000 m³

The LIPP Thermal Storage Tank is a customized solution to effectively store excessive heat from biogas plants, biomass heating plants, solar plants or other heat sources. The tanks are fabricated on site using the LIPP® Double-Seam-System, or the new LIPP® Welding Technology.

LIPP® Gas Storage Tank
from 50 to 5.000 m³

LIPP developed a special system for depressurised dry gas storage for its separate gas storage tanks, characterized by high functional and operational reliability.
A highly dependable method that requires less maintenance and provides for a longer service life of the storage device.

LIPP® Large Silos
15.000 m³ and bigger

They are impermeable and protect the bulk material against humidity. Their smooth inner wall is an advantage from which specific storage media benefits, for example grain, wood chippings, soybeans and cement.

LIPP® Liquid Storage Tanks

Rain Reservoir
Water Tank
Buffer Tank
Waste Water Tank
Sludge Holding Tank
Aeration Basin
Trickling Filter Plant
Secondary Settling Tank
Mixing and Surge Tank
Fermenter
Landfill Leachate Storage
Process Vessel

LIPP® Liquid Storage Tanks
from 100 to 10.000 m³

LIPP offers professional solutions for plant- and tank construction, for the storage and treatment of liquids as well as flexibility regarding the size, the choice of material and the equipment. LIPP is specialized according to § 19 WHG (Water Resources Act) and pays particular attention to the long service life of their products, professional execution and a solid construction to the last detail.

Tank Refurbishment and Volume Expansion
On-site assembly of tanks in all sizes is possible with the help of a mobile crane, which lowers the tanks on or in a steel or concrete basin, preventing elaborate and cost-intensive reconstruction work.

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UNIQUE.WORLDWIDE

POWERFUL //

The Advantages

Flexible Building Technology
Efficient On-Site Assembly
Short Construction Period
Low Investment Costs
Maximum Tightness
Long Operating Life
High Quality
Little Assembly Space Requirement

Conception.
Planning.
Installation.
Service.

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