

Applications

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

Unlimited Tanks and System Solutions

- Industrial
- Municipal
- Agricultural





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 15 to 130 feet using our unique on-site manufacturing technology.

We are a highly innovative family owned business with its roots in Germany and US headquarters in Novi, MI. 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, the proprietary machines used in the LIPP Double-Seam-System and LIPP assembly processes 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 product applications: a digester with a central agitator, a new type of buffer storage tank and tanks for drinking water. We've also obtained NSF 61 certification for drinking water tanks. 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 and innovation lead in tank construction worldwide.

*"Traditional, innovative and determined
– shaping the future together with our
employees and customers."*

Leon and Manuel Lipp

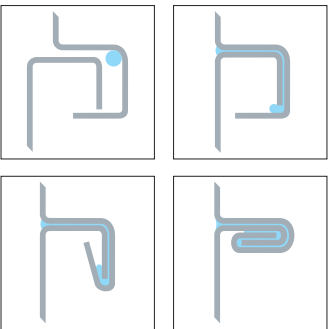


LIPP® Double-Seam-System
delivers superior structural
strength without bolts

UNIQUE //////////////////////////////////

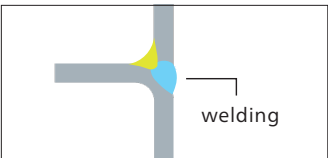
The System

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 delivers an air-tight connection 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 for drinking water and waste water applications and tanks made from black steel for storing oil.



Certified to
NSF/ANSI/CAN 61



FLEXIBLE //////////////////////////////////

The Assembly

LIPP digesters and tanks are built top-down, starting with the roof on top of the tank. Due to the spiraling-up, all penetrations and openings can be installed at low levels, 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.



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 galvanized/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 - 304, 316Ti or 904L; at the cost of galvanized steel and has been in use for more than 30 years. The highest quality and longevity of materials are our top priorities. LIPP's domestic US production and procurement facilitate compliance with BABAA.



On-site welded 304 or 316Ti
stainless-steel for:

- Potable water
- Chemicals/pharma
- Food industry



On-site welded carbon
steel for:

- Thermal storage tanks
- Bulk silos
- Crude-oil storage tanks



Shop-welded stainless steel
membrane for:

- Gas-tight tank cover
- Stainless steel floor-system

The image displays four large industrial digesters from LIPP, each with a different design and color. The first digester is white with a stainless steel diaphragm roof and is equipped with a central agitator. The second digester is yellow with a self-supporting stainless steel diaphragm roof and is equipped with multiple lateral mixing solutions. The third digester is green with a free-supporting stainless steel membrane roof and is equipped with a central agitator or lateral mixing systems. The fourth digester is blue with a flexible design and is equipped with a central agitator or lateral mixing systems.

LIPP® Digester Systems

LIPP KomBio®-Reactors

from 25,000 to 925,000 gallons

The patented LIPP KomBio®-Reactor combines a digester and integrated gas storage to handle a wide variety of substrates. 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 Digesters

from 25,000 to 1.8M gallons

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 Digesters

from 25,000 to 1.8M gallons

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 Digesters

from 25,000 to 2.6M gallons

The flexible LIPP Eco Digester for use in industrial, municipal, and agricultural applications 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.

A large, white, cylindrical industrial storage tank with a conical roof. A spiral staircase leads up to the top of the tank. A crane is positioned next to the tank, and a tall lattice tower is visible in the background. The tank has a small sign on its side that reads "MAGNETIC".

A large, white, cylindrical industrial storage tank with a spiral staircase and a smaller tank in the background. The tank has a metal railing at the top and various pipes and valves. A smaller, similar tank is visible to the left. The ground is paved, and there are some yellow safety markers.

A large, modern, dome-shaped building with a green and white facade, situated in a grassy field with young trees in the foreground. The building has a large, white, hemispherical roof and a green, ribbed cylindrical base. A red sign is visible in the foreground.

Process Vessels

A photograph of a wastewater treatment plant. In the foreground, there is a circular concrete structure with metal railings, possibly a walkway or a small basin. In the background, two large, cylindrical, metallic storage tanks are visible. The sky is blue with some clouds, and there is green grass in the foreground.

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.

POWERFUL //////////////////////////////////////

The Advantages

Stainless Steel

No Bolts or Welded Seams

Flexible Construction Technology

Efficient On-Site Assembly

Short Construction Period

Low Investment Costs

Superior Structural Strength

Long Service Life

High Quality

Minimal Assembly Space Required

Conception.
Planning.
Installation.
Service.

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