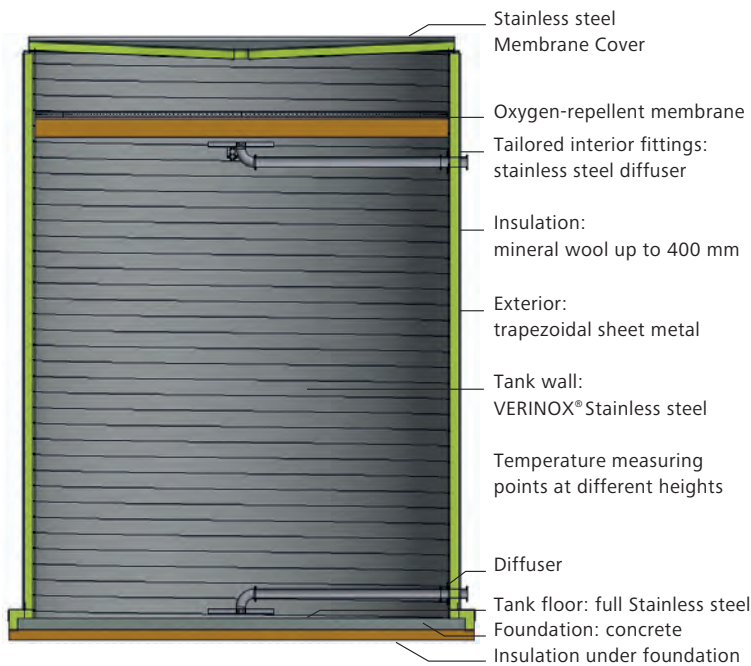




LIPP® Thermal Storage Tank for heat storage



Major advantages

- Tank-inside and interior fittings in stainless steel
- No ongoing operating costs
- Incl. safety systems
- Long durability
- Low-maintenance
- Tailored to individual requirements
- Infinitely variable in diameter and height
- Same quality worldwide
- Short construction time



Technical data

Volume

From 200 to 2,000 m³

Diameter/Height

Infinitely variable from 4 m
Optimized diameter/height ratio

Height

Variable, up to approx. 20 m

Storage medium

Heating water according to VDI 2035 or AWG 510

Operating pressure

atmospheric/ventilated
Maximum pressure: 5 mbar
Minimum pressure: -2,5 mbar
Other pressures on request

Operating temperature

Up to 95° C

Materials

Tank wall

VERINOX® Stainless steel is a galvanized base material combined with a stainless steel 304 layer on the tank-inside.

Tank bottom

Stainless steel 304
Thickness: 0.8 – 1.0 mm

Tank roof

Membrane cover
Stainless steel 304
Thickness: 0.8 – 1.0 mm

Components

Interior fittings, manhole, diffusers, nozzles etc.
made of stainless steel 304

Construction

Tank wall

LIPP Double-Seam-System; automated on-site fabrication

Tank bottom

Concrete foundation and insulation

Tank roof

Free supported stainless steel membrane
Insulation 100 – 400 mm
Water-proofing and rain collecting system

Tank exterior

Insulation: mineral wool 200 – 400 mm
Cladding: trapezoidal sheet metal in standard RAL color

Certifications and Qualifications

LIPP is ISO 9001:2015 certified. We are specialized manufacturer according to § 19 German Water Act and DIN-EN 1090-2 EXC 3. We are paying particular attention to the durability of our products, a professional execution and a solid workmanship in every detail due to qualified and certified technicians in house and on-site

Design and Manufacturing

Verifiable structural calculations according to EURO CODE III in connection with DIN EN1090-2

Documentation

Verifiable structural calculations, foundation plans, installation plans and as-built drawings as well as Operation and Maintenance manuals



PRODUCTINFO

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