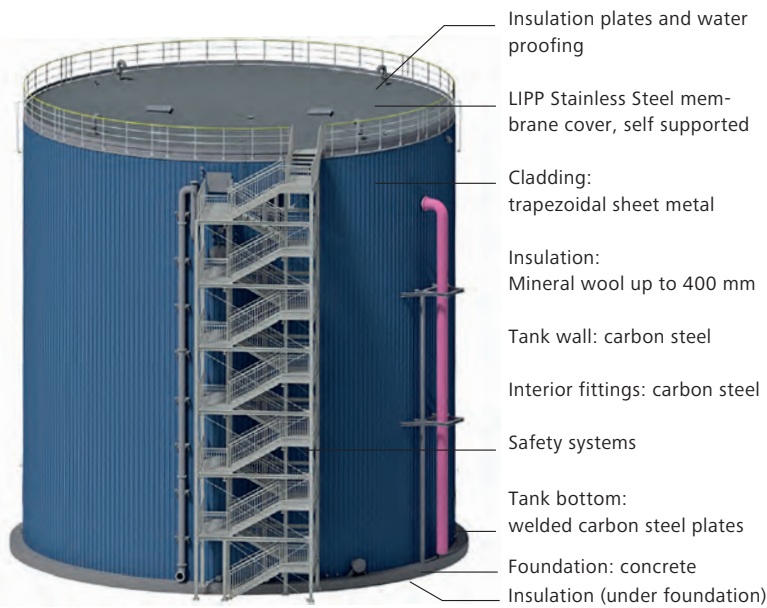






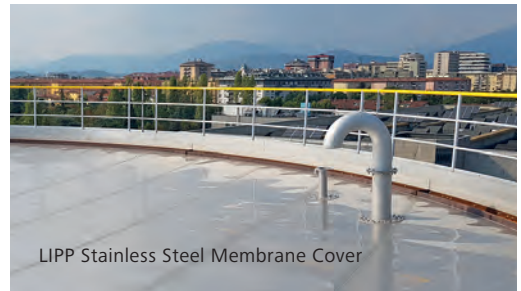
# LIPP® Thermal Storage Tank for heating water



- Insulation plates and water proofing
- LIPP Stainless Steel membrane cover, self supported
- Cladding: trapezoidal sheet metal
- Insulation: Mineral wool up to 400 mm
- Tank wall: carbon steel
- Interior fittings: carbon steel
- Safety systems
- Tank bottom: welded carbon steel plates
- Foundation: concrete
- Insulation (under foundation)

## Major advantages

- No ongoing operating costs
- Long durability
- Low-maintenance
- Tailored to individual requirements
- Infinitely variable in diameter and height
- Same quality worldwide
- **Only horizontal welds**



LIPP Stainless Steel Membrane Cover

### Technical data

**Volume**

From 1,500 to 6,000 m<sup>3</sup>

**Diameter/Height**

Infinitely variable from 8 m; Optimized diameter/height ratio

**Height**

Variable

**Storage medium**

Heating water up to 95° C 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**

Carbon steel grade: as required  
Material thickness: 3 – 10 mm

**Tank bottom**

Carbon steel grade: as required  
Thickness: 5 – 10 mm

**Tank roof**

SS 304 or 316L  
Thickness: 0,8 – 1,5 mm

**Components**

Interior fittings, Manhole, diffusers, temperature sleeves etc.  
In specified carbon steel grade

### Construction

**Tank wall**

Automated LIPP Welding Technology MAW welding, horizontal

**Tank bottom**

Concrete foundation and insulation underneath  
Manually welded carbon steel plates, anchored on concrete  
Welding connection between floor and tank wall

**Tank roof**

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

**Exterior wall**

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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