

Tanks for asphalt and bitumen





Asphalt and bitumen tanks

Bitumen tanks are designed for storing and heating asphalt (bitumen), which is a material used mainly in road construction in bitumen plants.

In modern production facilities, bitumen tanks can be integrated with automatic dosing systems that precisely control the amount of asphalt in the production processes of asphalt mixtures.



Asphalt and bitumen tanks

The tanks are designed to operate efficiently at ambient temperatures ranging from 0 °C to +50 °C, with bitumen operating temperatures of up to +180 °C. They operate at atmospheric pressure.

Tanks can be equipped with:

- 200 mm thick thermal insulation for optimal thermal performance and product protection
- Transport frame for insulated tanks
- Heating systems - electric heaters or heating coils
- Mechanical mixer to maintain bitumen homogeneity
- External ladder, platform with railing
- Asphalt level measurement systems

Our advantage is the highest quality product, achieved thanks to modern technology:

- Heinrichglück's automatic production line, ensuring precise assembly
- Internal and external welds made using the submerged arc welding method using the highest quality welding materials
- Rigorous quality control includes non-destructive testing of welded joints



Technical data

- Tanks with pipe legs or skirts made in accordance with the AD 2000 standard or DIN6618
- Material: carbon steel
- Tanks with capacities from 40 m³ to 100 m³
- Surface of carbon sheets Shot-blasted to Sa 2.5 according to PN-ISO 8501-1
- Tank ambient temperature: 0/+50 °C
- Tank operating temperature: 0/+180 °C
- Working pressure: atmospheric
- Other parameters available upon request



Vertical aboveground tank

Aboveground, vertical, single wall on skirt with a capacity of 80 m³ and a diameter of 2900 mm, made of carbon steel (S235JR).



Horizontal aboveground tank

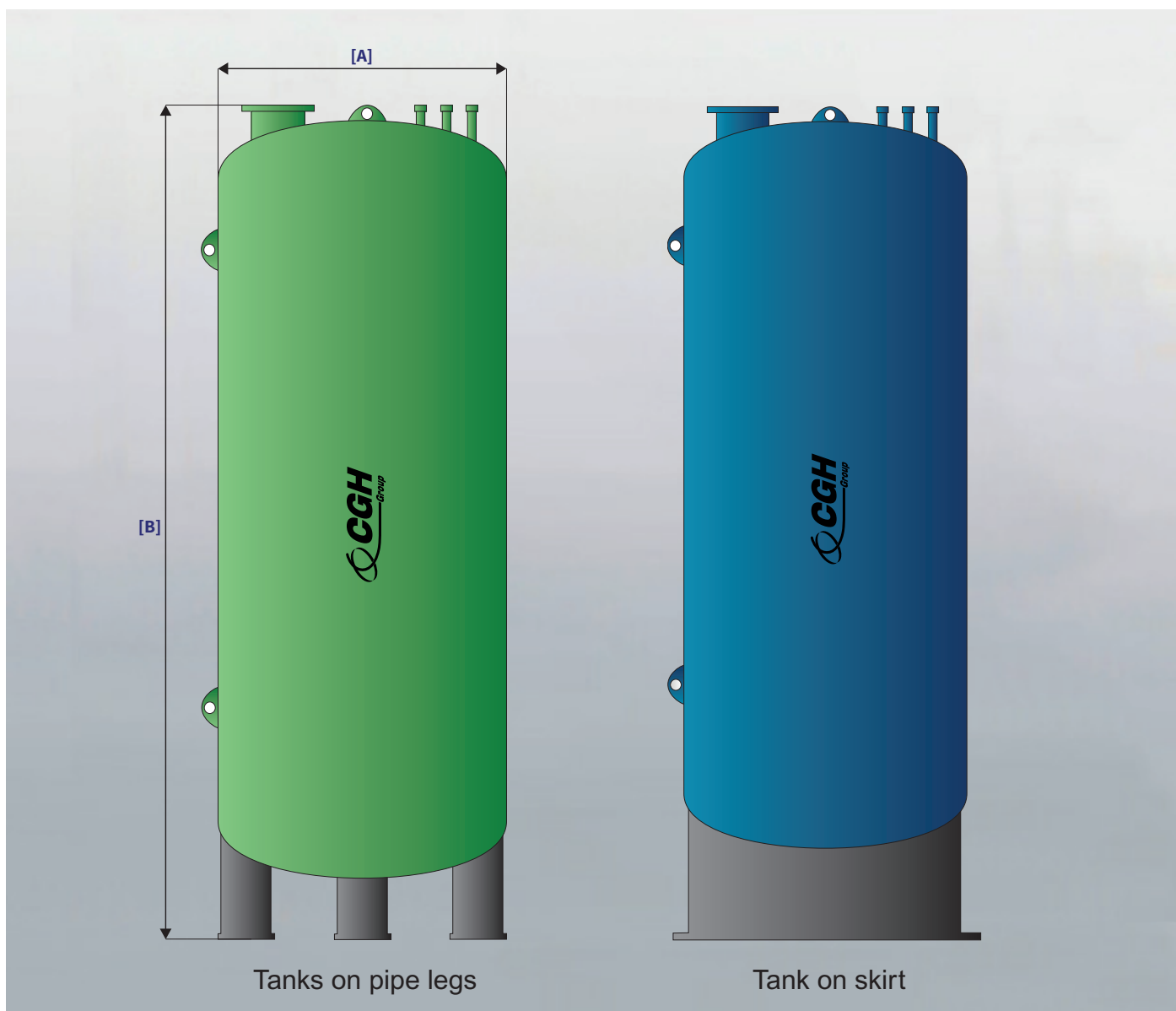
Aboveground, horizontal, single wall tank, with a capacity of 60 m³ and a diameter of 2500 mm, made of carbon steel (S235JR) and mounted on legs. Equipped with a ladder with a common platform connecting four tanks, an oil coil, mixers, a level indicator and thermal insulation with mineral wool 200 mm thick and 80 kg/m³ density.



asphalt
bitumen



Tanks capacities and types



We can also manufacture tanks in a horizontal working position.

Capacity	Diameter [A]	Height [B]	Tank weight on legs	Tank weight on skirt
V	D	H		
[m ³]	[mm]	[mm]	[kg]	[kg]
40	2 500	9 600	4 900	4 800
40	2 900	7 700	5 500	5 300
60		10 700	7 300	7 200
80		13 700	N/D	8 900
100		16 700	N/D	10 600

Other sizes up to 300 m³ are available on request.

**tank
accessories**

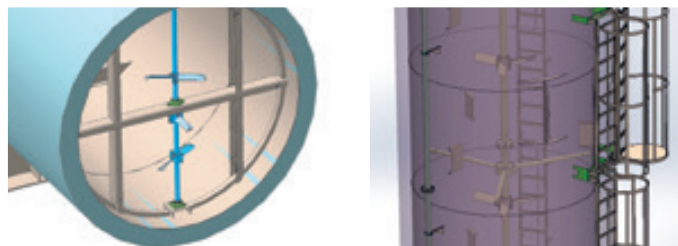




Tank accessories

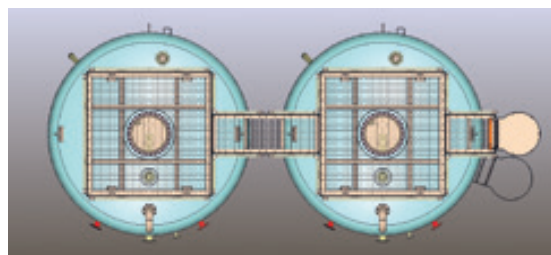
Mixers

- For vertical and horizontal tanks
- For media with high viscosities
- Customized to the individual needs of the customer



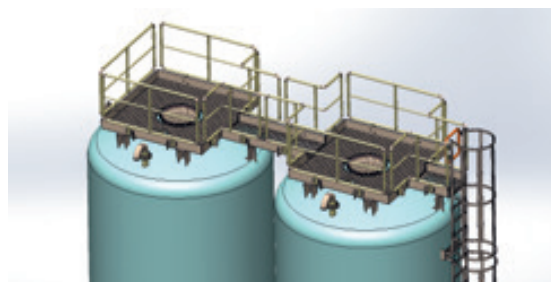
Platforms

- Safe solution for horizontal and vertical tanks
- Allows free access to manholes, nozzles and valves
- Optional connection of platforms between tanks
- Platforms with different anti-slip classes
- Hot-dip galvanized



Railings

- Safe and convenient solution for tanks with and without platforms
- Circular railings mounted directly on the tank or on a platform
- Profile railings mounted on the platform
- With a safe entrance gate
- Hot-dip galvanized or painted



External ladders

- Ladders with safety baskets
- Ladders with landing
- Hot-dip galvanized or painted



Tank accessories

Electric heating

- Main heater (turbo) 23 kW and supporting heaters 0.75 kW
- Equipped with regulation and temperature sensor

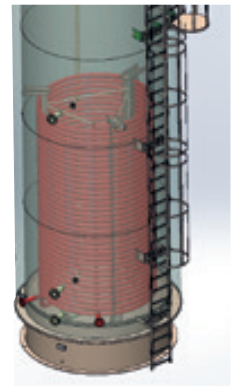
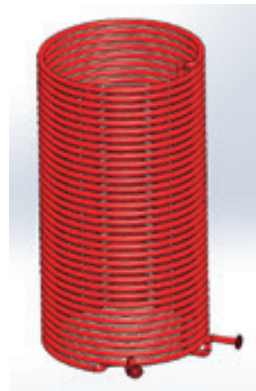


Oil or steam heating

- Solution for vertical and horizontal tanks
- Heating coil capacity and length adjusted to tank parameters

Example of heating coil parameters:

- Diameter DN80
- Working pressure 10 bar
- Working temperature 250 °C
- Material P265GH



Tank insulation

- For vertical and horizontal tanks
- Tank insulation 200 mm or 300 mm thick, with mineral wool
- Mineral wool with a density of 80 kg/m³ or 100 kg/m³
- Covering with trapezoidal sheet metal, optionally Al.Zn sheet metal
- Insulated upper dished-end





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