

Industrial Storage Tanks





The CGH Group has many years of experience in the design and production of tanks for industrial applications and produced to customer's specifications.

Tanks for a wide range of industrial applications which include:

- **Storage or Process tanks**
- **Single or Double wall tanks**
- **Underground or Aboveground installation**
- **Atmospheric tanks**
- **Capacities ranging from 10 m³ to 100 m³ with diameter sizes 1900, 2500, 2900 mm**
- **For the storage of flammable liquids such as:**
 - Tanks for Fuels and fuel additives
 - Tanks for Crude oil
 - Tanks for Solvents
 - Tanks for Bitumen
 - Tanks for Process chemicals
- **To store corrosive and/or toxic liquids such as:**
 - Tanks for Sulfuric acid
 - Tanks for Hydrochloric acid
 - Tanks for Sodium methoxide
 - Tanks for Methanol and ethanol



Aboveground LPG tanks

- Aboveground, horizontal, single skin tank made of P355 steel
- Capacity up to 100 m³, diameters: 1900 mm, 2500 mm, 2900 mm
- Medium: LPG
- Design in accordance with Directive PED/2014/68/EU according to AD2000 or EN13445 standards
- Pressure 15.6 bar - standard, optional 17.6 bar
- Corrosion protection with a class C3M coating
- Working temperature -20 / +40°C
- Other requirements as required



Underground LPG tanks

- Underground, horizontal, single skin tank made of P355 steel
- Capacity up to 100 m³, diameters: 1900 mm, 2500 mm, 2900 mm
- Medium: LPG
- Design in accordance with Directive PED/2014/68/EU according to AD2000 or EN13445 standards
- Pressure 15.6 bar - standard, optional 17.6 bar
- Corrosion protection with polyurethane
- Working temperature -20 / +40°C
- Other requirements as required
- **LPG-Flex®** - the safest & most cost efficient pipework for your higher pressure LPG & (bio)methane installations



Tanks for corrosive liquids

- Underground, horizontal, double-wall tanks.
- Capacity 100 m³, diameter 2900 mm
- Medium: corrosive liquids
- Norm: EN12285-1
- Working pressure: atmospheric
- Operating temperature: -20°C / +50°C
- The tanks are equipped with to a dry leakage detection system. The external tank is coated with polyurethane, the inner tank shell is pickled and passivated.



Tanks for supplying power generators

- Aboveground, horizontal, double-wall tanks, made of S235 steel
- Capacity Up to 100 m
- Medium: diesel
- Norm: EN12285-2
- Working pressure: atmospheric
- Operating temperature: -20°C / +50°C



Tanks for asphalt and bitumen

- Aboveground vertical, single-wall tanks, made of S235 steel
- Medium: asphalt / bitumen
- Norm: AD 2000
- Working pressure: atmospheric
- Operating temperature: 0°C / +180°C
- The tanks are fully prepared for a heating system. The all-around insulation is on the top covered with a second dished end.



Aviation fuel tanks

- Aboveground, horizontal, double-wall tanks, made of S235 steel
- Medium: JET A1 aviation fuel
- Norm: EN12285-2
- Working pressure: low pressure (up to 0.5 bar)
- Operating temperature: -20°C / +50°C
- The tank's piping are made of 304 stainless steel. They are equipped with ladders and platforms painted with class C4M paint. The insulation thickness is 100 mm.



JET A1 tank

- Aboveground, horizontal, double-wall tank, made of S235JR steel
- Medium: JET A-1 aviation fuel
- Norm: EN12285-2
- Working pressure: atmospheric
- Operating temperature: -20°C / +50°C
- The tank is made with a 3% slope to lead the water to the lowest point. The tank is inside equipped with a floating suction pipe. 100% internal corrosion protection is achieved with epoxy paint suitable for aviation fuel. The large cabinet houses the pumping equipment



Tanks for aviation fuel

- Aboveground, double wall tanks, made of S235JR steel
- Medium: Aviation fuels
- Norm: EN12285-2
- Working pressure: atmospheric
- Operating temperature: -20°C / +50°C
- Tanks made with a slope of 1%
- Combined working platform for both tanks with access stairs.



Diesel tank

- Underground, horizontal, double-wall, multi-compartment tank, made of S235 and S355 steel
- Medium: diesel
- Norm: EN12285-1
- Working pressure: atmospheric
- Operating temperature: -20°C / $+50^{\circ}\text{C}$
- An option that is available the tank is strapped on a speedframe which increases the safety of handling during transport. The speedframe serves as reinforcement of the anchoring slab in the excavation. Lifting slings and guiding ropes are provided so that the tanks can be installed in the excavation without that a person needs to access it.



Tank for heavy oils

- Aboveground, vertical, double-wall tank, made of S235 steel
- Capacity 100 m^3 , diameter 2900 mm
- Medium: heavy oil component
- Norm: AD 2000
- Working pressure: atmospheric
- Operating temperature: -20°C / $+60^{\circ}\text{C}$



Heating Oil tanks

- Aboveground, horizontal, double-wall tanks, made of S235 steel
- Volume 10 m^3 , diameter 2000 mm
- Medium: heating oil
- Norm: EN12285-2
- Working pressure: atmospheric
- Operating temperature: -10°C / $+50^{\circ}\text{C}$
- The tank is equipped with heating cables and a 100 mm thick thermal insulation, density 60 kg/m^3 , covered with aluminium sheets.



Engine oil tanks

- Aboveground, single-wall vertical tank, made of S235 steel
- Medium: engine oils
- Norm: AD 2000
- Working pressure: atmospheric
- Operating temperature: -39°C / $+18^{\circ}\text{C}$
- The tanks are equipped with heating cables and a 100 mm wool insulation (60 kg/m^3) covered with aluminum sheets.



Tank for fuel additives

- Aboveground, horizontal, single-wall tank, made of S235/S355 steel grade
- Medium: fuel additives
- Norm: EN12285-2
- Working pressure: atmospheric,
- Operating temperature: -20°C / $+50^{\circ}\text{C}$
- The tank supports are made of S235 steel with corrosion protection.



Tanks for ethanol

- Underground, horizontal, double-wall tanks, made of S235 steel
- Norm: EN12285-1
- Working pressure: atmospheric
- Operating temperature: -29°C / $+50^{\circ}\text{C}$
- The tanks are equipped with two DN300 nozzles for the installation agitators. They have Weights & Measures approved liquid level probes for operation in a customs warehouse.



Biofuel Tanks

- Aboveground, horizontal, double-wall tanks, made of S235 steel
- Medium: biofuel
- Norm: EN12285-2
- Working pressure: atmospheric
- Operating temperature: -20°C / $+50^{\circ}\text{C}$



Pyrolysis oil tanks

- Underground, horizontal, double-walled tank made of S235 steel
- Medium: pyrolysis oil
- Norm: EN12285-1
- Working pressure: atmospheric
- Working temperature: -20°C / $+50^{\circ}\text{C}$
- Adaptation of the tank to a dry leak detection system. From the outside, the tank is protected against corrosion with polyurethane
- Additional anti-corrosion protection inside is painting the 90° wide strip at the bottom of the tank, which will avoid corrosion of the bottom of the tank and facilitate its cleaning. Recommended painting due to increased contamination with sulfur compounds.



Hot water storage tank

- Aboveground, vertical, flat bottom tank, made of S235/S355 steel
- Medium: hot water
- Norm: AD 2000
- Working pressure: atmospheric
- Operating temperature: -29°C / $+90^{\circ}\text{C}$
- The tank is equipped with heating cables and insulated with a 100 mm thick wool layer. It is equipped with a ladder and platform. The tank is protected with an anti-corrosion paint.



Methanol tanks

- Above-ground, horizontal, double-walled tank made of S235 steel
- Medium: methanol
- Norm: EN12285-2
- Working pressure: up to 0,5 bar
- Operating temperature: -20°C / $+50^{\circ}\text{C}$
- Tanks are made to corrosion resistance painting system. Internal anticorrosive coating matched to the medium.
- The tank is equipped with a dedicated vent valve with an integrated flame arrestor.

