

# Storage Tanks

For PU foam production industry



- TANKS FOR ISOCYANATES STORAGE
- TANKS FOR POLYOLS STORAGE
- TANKS FOR PENTANE STORAGE
- TANK ACCESSORIES

The logo for CGH Group features a stylized graphic of two overlapping loops, one blue and one yellow, to the left of the text 'CGH' in a large, bold, black sans-serif font. Below 'CGH' is the word 'Group' in a smaller, italicized, black sans-serif font.

**CGH**  
*Group*



*Tanks for PU foam & insulation industry*



## ***Tanks for foam industry***

The CGH Group is deeply committed to the automotive, furniture, and general construction industries. Our diverse range of tanks, designed for polyols, isocyanates, and pentane storage, finds extensive use.



# Tanks for Polyols and Isocyanates Storage

Polyols and isocyanates tanks are commonly used in the foam industry, particularly in the production of polyurethane foam. Polyurethane foam is a versatile material used in a wide range of applications, including insulation, furniture, automotive interiors, and more. The production process involves combining polyols (a type of alcohol) with isocyanates to create the foam.

## Technical data

- Aboveground, vertical, single-skin tank made of S235 steel.
- Production according to the AD2000 norm.
- Internal anti-corrosion protection with oil ensuring the cleanliness of the medium.
- The tanks are painted with C3M corrosivity class in various colours depending on the stored medium.
- Pressure: ambient.
- Working temperature: +10/+35°C
- **Other conditions on request**

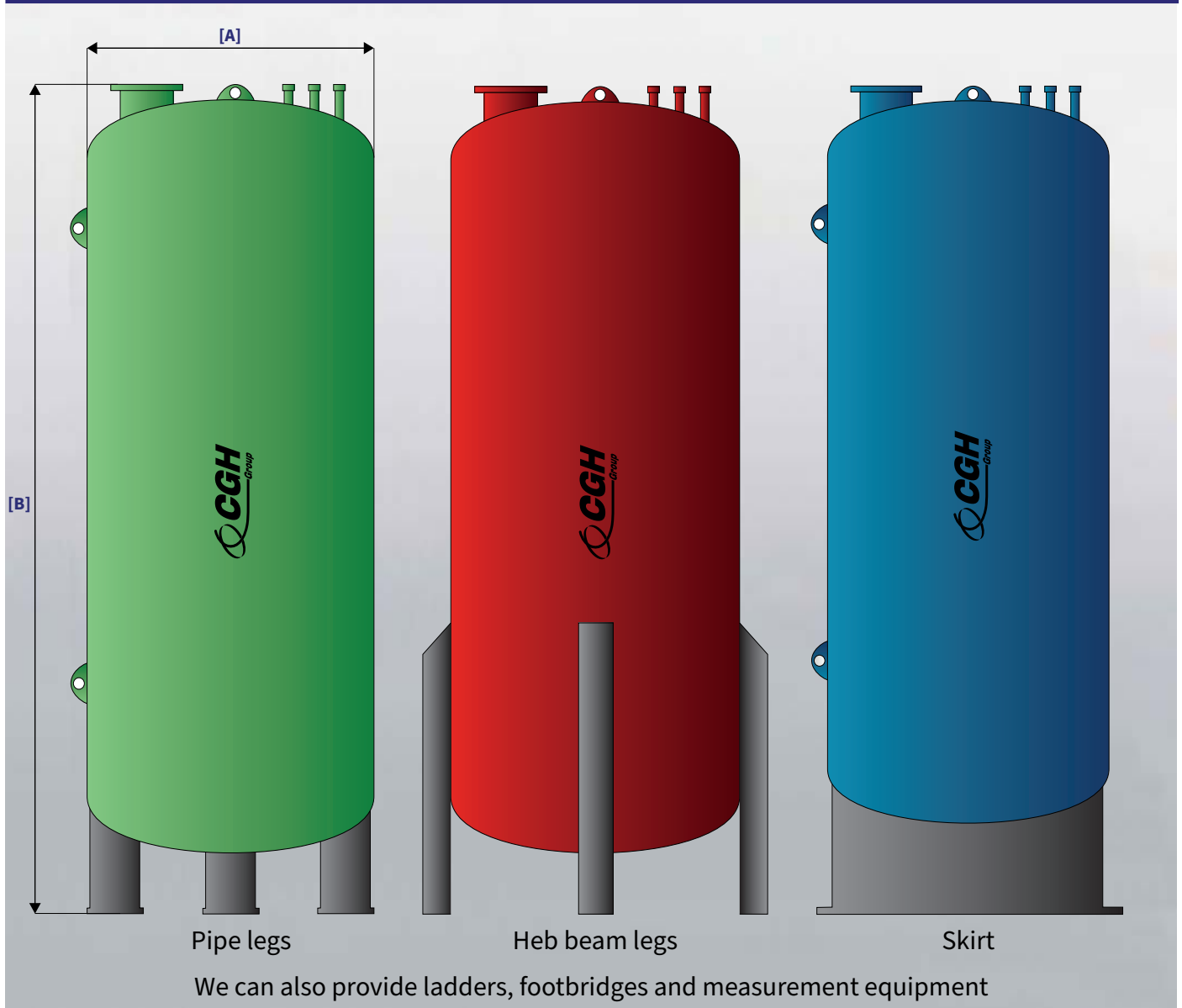
## Safety

Polyols and isocyanates tanks from CGH fulfill safety requirements. We hold all necessary certificates to manufacture such tanks issued by Notified Body.

48 tanks manufactured for insulation production Company from USA



# Capacities and Variants



## Tanks dimensions and weights

Tank Capacity	Tank Diameter [A]	Tank Height [B]	Tank Weight
[m <sup>3</sup> ]	[ø]	[mm]	[kg]
20	2000	8000	2930
20	2500	5350	2870
30		4500	3810
40		9700	4750
50	2900	9600	6200
60		11000	7120

Other sizes up to 300m<sup>3</sup> are available upon request.



# Tanks for Pentane, Cyclopentan, Isopentane

Pentane is commonly used as a chemical blowing agent in the production of foamed materials, particularly in the manufacture of polyurethane foams. A chemical blowing agent is a substance that is introduced into a material to produce gas, which leads to the formation of bubbles or pores in the material. In the case of polyurethane foams, pentane helps to create the cellular structure of the foam.

## Technical data

- Pentane tanks are usually underground, horizontal, double-walled tank, made of S235 steel.
- Production according to EN 12285-1 norm, class C.
- Surface preparation by abrasive blasting to Sa 2.5
- For underground tank anticorrosive protection – PUR coating resistant to puncture 10 kV
- Working temperature: -20/+35°C
- **Other conditions on request**

## Safety

Pentane tanks from CGH fulfill safety requirements of storage.  
We hold all necessary certificates to manufacture such tanks issued by Notified Body.



# Capacities and Variants



## Tanks dimensions and weights

Tank Capacity	Tank Diameter [A]	Tank Length [B]	Tank Weight
[m <sup>3</sup> ]	[ø]	[mm]	[kg]
20	2000	6870	3482
20	2500	5100	4315
30		7100	5749
40		9021	7250
50		11021	8685
60	2900	13021	10200
50		8700	9500
60		11000	10962
80		13130	13993

Other sizes up to 300m<sup>3</sup> are available upon request.





**Tank**  
accessories

 **CGH**  
Group



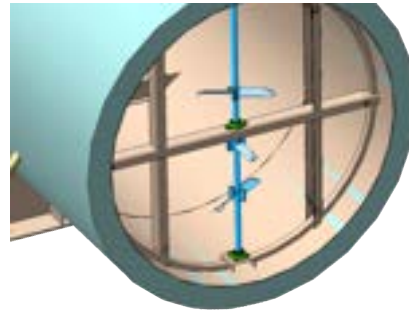


# Tank Accessories

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## Mixers

- For vertical and horizontal tanks
- Custom solutions for variety of applications
- For high- and low-viscosity media



## External Ladder

- Ladders with safety cages
- Resting platform for high tanks
- Platform on top of tank with railing
- Galvanized



## 2x2m Platform

- Hot-dip galvanized
- Safe solution for horizontal tanks
- Allows access to manhole and nozzles
- With safety entrance gate



## Railing

- Hot-dip galvanized
- Allows access to all nozzles on top dished-end
- Safe and comfortable solution for vertical tanks
- Optional connecting platforms between tanks

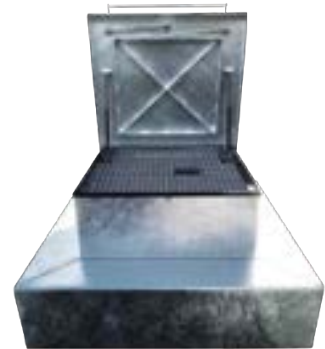


# Tank Accessories

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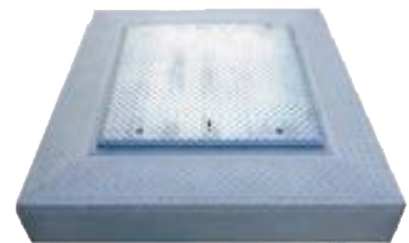
## Sumps for Green Area

- Providing access to manholes of an underground tank
- Polyurethane coated, primer coated or galvanized
- Various cover materials: hot-dip galvanized steel
- Anti-slip cover surface – checker plate



## Concrete Shaft Cover

- Allows for unrestricted traffic flow
- Waterproof, protected against rain water
- Equipped with a hot dip galvanized steel cover
- Outer surface made of corrugated plate eliminates slipping
- A concrete anti-slipping kerb



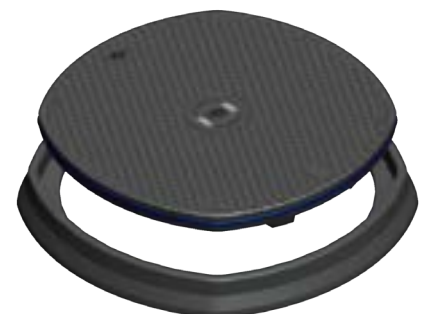
## Anchor Bands

- Steel clamps utilized to prevent tank from buoyancy from groundwater
- Quick and effective fixing of a tank to foundations
- The entire system is corrosion protected through galvanisation



## Mway Pro

- Designed for Class B (12.5t), C (25t), and D (40t)
- Anti-slip surface
- Light composite materials
- Noiseless in traffic
- Suitable for installation on public roads
- All composite covers are tested in accordance with EN 124:1994



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