

FUEL TANKS

for power backup systems



Belly tanks



Belly tanks are used as backup fuel storage tanks to supply emergency power generators for data centres. They can be designed to carry the weight of a generator or a container and can also be placed next to the unit. CGH also supplies cylindrical tanks.

With belly tanks, data centres can operate for extended periods during power blackouts, which is essential for maintaining operational continuity and minimizing the risk of data loss or service disruption.

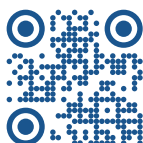
CGH manufactures belly tanks in both standard container sizes and in sizes specified by the customer. At the customer's request, the tanks can be fitted with insulation and heating.



Technical specifications

- Single or double skinned, rectangular tanks made from S235 steel
- Optional sloped tank bottom
- Standard anti-corrosion protection – C3M – optional C4M/H, C5M/H
- Internal coating also available
- Can be supplied with electronic leak detection system
- Number, size and location of fittings to be determined during the design phase with the client
- Tanks are CE marked according EN1090.

Belly tanks are often supported by larger underground double skinned tanks. Ask CGH for advice.



Our typical tank sizes and capacities range from 10 to 50 m³.

Width	Length	Height	Usable capacity
[mm]	[mm]	[mm]	[m ³]
2438	6058	600	6,1
2438	9125	1200	18,5
2438	12192	1910	39,4
3000	13000	800	21,6
3000	14000	1000	29,1
3000	14600	1100	33,4
3200	9000	800	16,0
3200	16000	800	28,4
3600	12300	600	18,4
3640	12730	530	17,0
3900	20000	700	37,9
4000	13110	800	29,1
4000	14602	1100	44,6

*Other sizes are available upon request, including those designed for standard 20" and 40" containers, as well as customized footprints tailored to specific requirements.

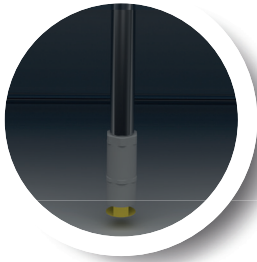
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Foot valve with stainless steel filter

Installed at the end of the suction pipe, it prevents fuel backflow and protects the system from impurities with an integrated stainless steel filter.



Overfill prevention valve

An automatic valve installed at the tank inlet, designed to shut off fuel flow once the maximum liquid level is reached. Suitable for use with diesel, HVO, AdBlue® and water.



Vent valve

Ensures proper venting by equalizing pressure during the filling and emptying processes, protecting the tank from structural damage.



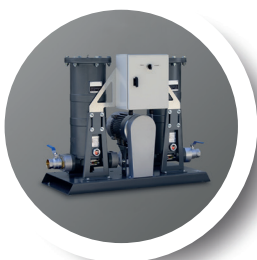
Electronic level gauge with alarms

A level indicator with a backlit display, providing realtime readings in both litres and percentages. Features include audible and visual alarms, a 4-20 mA output and weather-resistant housing (IP65).



Interstitial space monitoring probe

Monitors the interstitial space between tank walls and activates both visual and audible alarms in the event of a leak, vacuum leak detection system is also available.



Fuel polishing system

This system removes solids, water and sediment from diesel or HVO, protecting fuel quality and equipment.

Separate systems prevent cross-contamination.