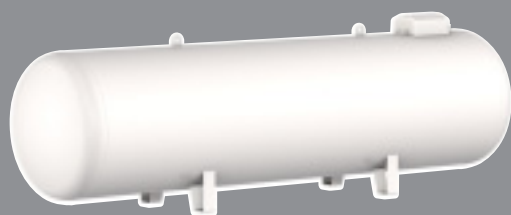
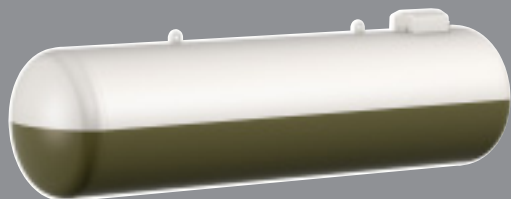


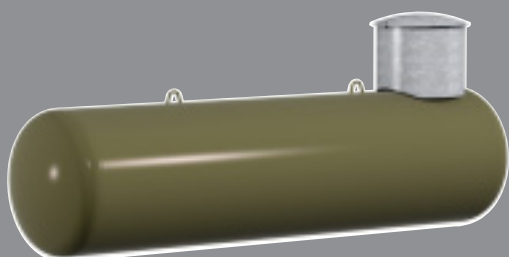
DESIGN  
MANUFACTURE  
SUPPLY



ABOVE GROUND



SEMI SUBMERGED



BELOW GROUND

## LIQUID PETROLEUM GAS TANKS

◆ CONTENTS	PAGE
◆ Specialist for liquid petroleum gas tanks	2/3
◆ Production and quality	4/5
◆ Custom range and liquid gas tanks	6
◆ Tables and technical data	7

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## Flamco

### Flamco UK Limited

Unit 4, St. Michael's Road  
Lea Green Industrial Estate  
St. Helens, Merseyside WA9 4WZ  
United Kingdom  
Phone: +44 1744 818 100  
Fax: +44 1744 830 400  
info@flamco.co.uk  
www.flamco.co.uk

### Flamco STAG GmbH

Production facility  
Berliner Chaussee 29  
39307 Genthin  
Deutschland  
Tel.: +49 3933 821.0  
Fax: +49 3933 2472  
info@flamco-stag.de  
www.flamco-stag.de

### Flamco Wemefa GmbH

Steinbrink 3  
42555 Velbert  
Deutschland  
Tel.: +49 2052 887 04  
Fax: +49 2052 887 44  
info@flamco.de  
www.flamco.de

### Flamco Flexcon s.a.r.l.

BP 77173  
95056 Cergy-Pontoise Cedex  
France  
Tel. : +33 1 342 191 91  
Fax : +33 1 303 782 19  
info@flamco.fr  
www.flamco.fr

### Flamco b.v.

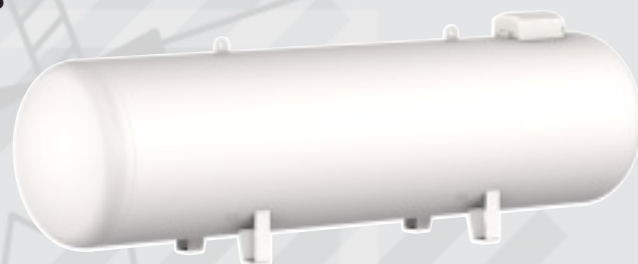
Postbus 115  
2800 AC Gouda  
Nederland  
Tel.: +31 182 591 800  
Fax: +31 182 522 557  
info@flamco.nl  
www.flamco.nl



## Flamco

Liquid Petroleum Gas tanks

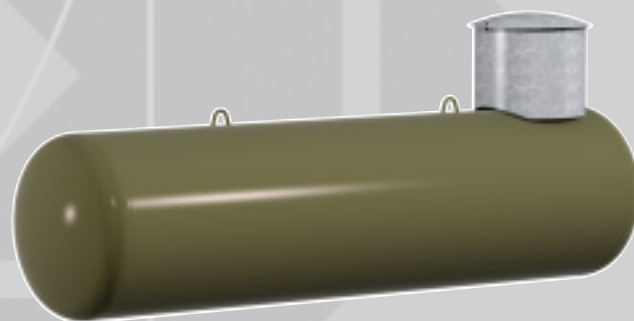
DESIGN  
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SUPPLY



ABOVE GROUND



SEMI SUBMERGED



BELOW GROUND

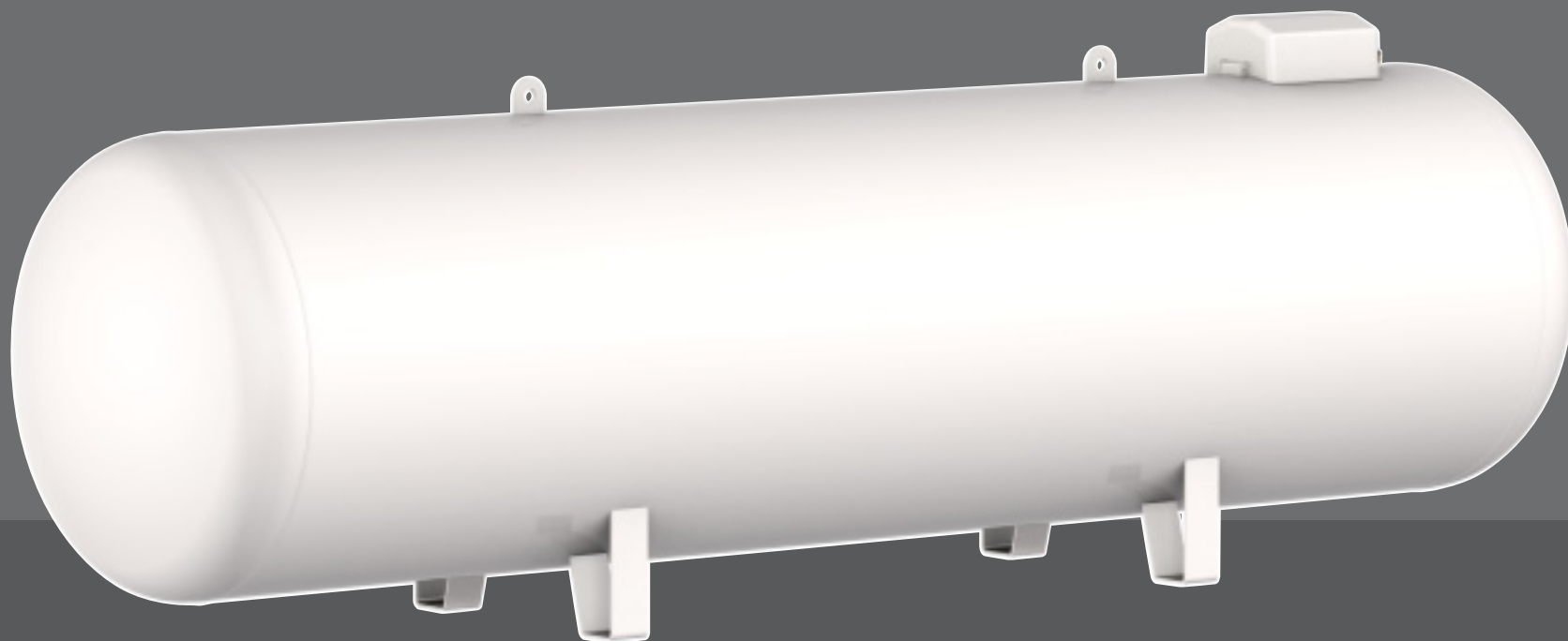
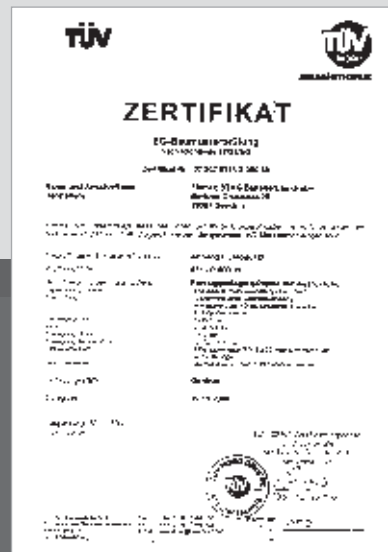




**Flamco**

**Flamco: International specialist for liquid petroleum gas tanks**

The Flamco Group manufactures high specification vessels and accessories for many sectors of industry, of which the storage of liquid petroleum gas is the fastest growing market. Flamco prides itself in offering a complete service where advice, quality and flexibility in design are the foundations of success.



Above ground storage tank for liquid petroleum gas to EN 12542

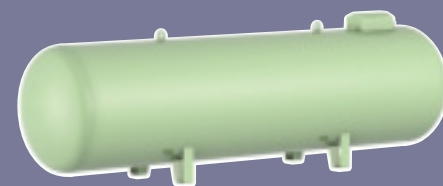
**FLAMCO PROVIDE THE FOLLOWING SERVICES:**

- ◆ Design and production of new liquid petroleum gas tanks.
- ◆ Conversion and refurbishment of used tanks.
- ◆ Production of custom tanks to exacting specifications.



1. Production plant, St Helens

2. Production plant, Genthin



FLAMCO  
LIQUID PETROLEUM GAS TANKS

Based in Germany Flamco STAG has over 50 years experience in manufacturing tanks. STAG joined the Flamco Group in 1994, continues to evolve its manufacturing methods of specialist products, resulting in a modern efficient organisation with a diverse range of high quality products.

The Flamco Group has facilities worldwide with its own production plants in Germany, the Netherlands, the United Kingdom and China.

Flamco Group sales organisations are established in Germany, Switzerland, Poland, Denmark, Sweden, the Netherlands, Belgium, France, the United Kingdom and China and is represented by associates on every continent.



◀ **Your requirements, our solutions**

As a solution provider, Flamco STAG are pleased to be involved at any stage from concept to installation.

▲ **Design and Production**

Our experienced team of design and production engineers ensure the satisfactory delivery of each and every customer requirement.

**Flamco is committed to providing the very best service.**



# Flamco

## Computer aided design and manufacturing with a robust quality assurance system

Using the very latest production methods, Flamco manufacture liquid petroleum gas tanks of all types and sizes.

Flamco supply above ground liquid petroleum gas tanks to DIN EN 12542, up to 13 m<sup>3</sup>, and below ground liquid petroleum gas tanks to DIN EN 14075 up to 13 m<sup>3</sup> as standard. Complying with modules B and D of the Pressure Equipment Directive (97/23/EC, CE-mark). The quality assurance system complies with DIN EN ISO 9001:2000 for the development and manufacture of pressure/storage tank systems.

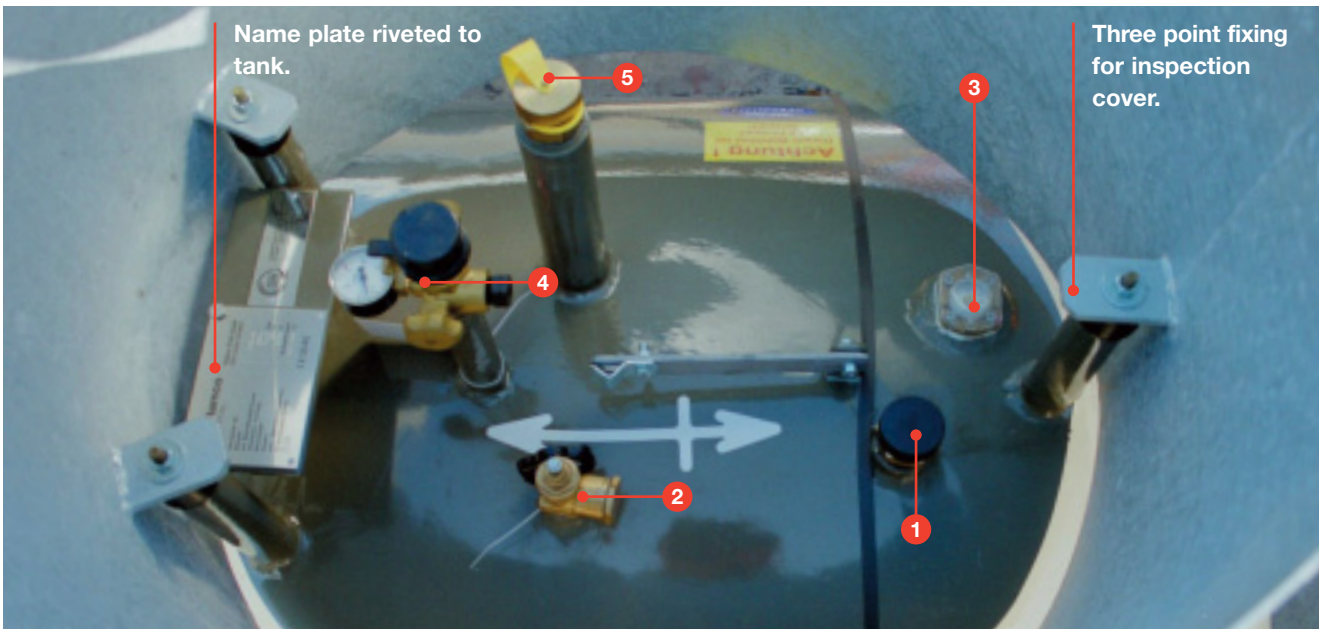


1.  
Internal tank safety valve (anti-vacuum valve), with plastic protective cap. Internal thread, 1" NPT, external thread, M 48 x 1.5.



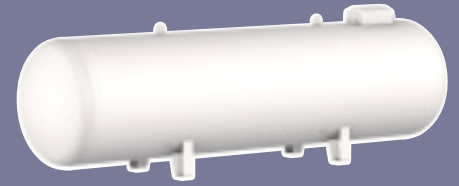
- A.** Computer aided welding of 'standard' tanks.
- B.** Production facility for custom tanks.
- C.** Shell rolling.





Name plate riveted to tank.

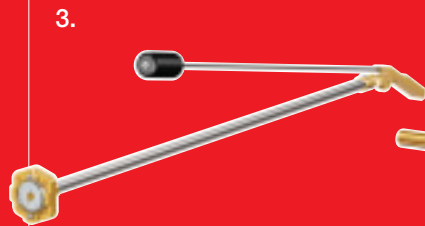
Three point fixing for inspection cover.



FLAMCO LIQUID PETROLEUM GAS TANKS



2. Liquid drain valve. Internal thread 3/4" NPT, external thread 3/4" NPT.



3. Level indicator for stationary tank, with plastic cap. Connector: brass flange with flange seal.



4. Gas drain point, overflow safeguard with limit indicator and pressure gauge. Internal thread 3/4" NPT, external thread 0.885 NGO.



5. Filler valve with hinged non-return valve and brass protective cap. Internal thread 1 1/4" NPT, external thread 1 3/4" ACME.



Above ground installations



Below ground installations



Semi submerged installations

**For above ground installations**

The liquid petroleum gas tank can be set up on any suitable ground. Any simple, pre-fabricated concrete slab is sufficient as a base.

**For below ground installations**

This configuration offers the best protection against outside influences, with a high-quality anti-corrosion epoxy-resin coating

**For semi submerged installations**

A compromise between the two other installations, where the lower half of the tank has a high-quality anti-corrosion epoxy-resin coating.

**There are no compromises with liquid petroleum gas tanks from Flamco.**



## Flamco Flamco custom tanks

*Flamco provides special tanks of all types up to a volume of 100 m<sup>3</sup>, for the storage or supply (filling stations) of liquid petroleum gas. New tanks are produced to the precise requirements of each customer / project. Additionally, Flamco offers a refurbishment / modification facility for existing tanks.*



Overhauled custom tank with bitumen coating.

New bitumen coated tank.

New epoxy coated tank.



## Flamco: delivering custom solutions



### Above Ground

Cylindrical steel tanks to DIN EN 12542, complete with welded feet, protective coating, safety, filling and gas drain valves, with fluid level gauge and overflow protection, as all per regulations. All supplied sealed and tested.

### Below Ground

Cylindrical steel tanks to DIN EN 14075, complete with protective coating, safety, filling and control gauges, gas drain gauge (protected with a lockable dome) with overflow safeguard, and contents gauge. All supplied sealed and tested.

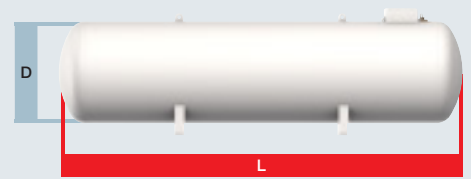
### Semi Submerged

Cylindrical steel tanks to DIN 4680 part 2, complete with gauges, protective coating, eye-line protective coating, safety, filling and control gauges, gas drain gauge (protected with a lockable dome) with overflow safeguard, and contents gauge all as per regulations. All supplied sealed and tested.

### Above ground liquid petroleum gas tanks

Nominal capacity in litres	D in mm	L in mm	Weight in kg	Capacity in kg
990	800	2170	260	440
2700	1250	2480	530	1200
4850	1250	4280	800	2100
6400	1250	5500	1100	2900
12990	1600	6880	2800	5750

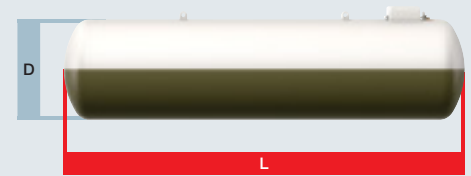
Protection against external corrosion  
 - Shot blasted to DIN 55928 part 4, grade Sa 2 1/2.  
 - Colour coating, RAL 9010 / 6019, min. coating thickness 120 µm.



### Semi submerged liquid petroleum gas tanks

Nominal capacity in litres	D in mm	L in mm	Weight in kg	Capacity in kg
990	800	2170	260	440
2700	1250	2480	530	1200
4850	1250	4280	800	2100
6400	1250	5500	1100	2900
12990	1600	6880	2800	5750

Protection against external corrosion  
 - Shot blasted to DIN 55928 part 4, grade Sa 2 1/2.  
 - Primed epoxy coating to DIN 4681 part 3.  
 Below ground and 100 mm above the horizontal axis - coating 1 mm in thickness.  
 Above ground and 100 mm above the horizontal axis - coating 100 µm in thickness.  
 - Topcoat RAL 9010 / 6017 / 6019 min. coating thickness 120 µm for top part of tank.



### Below ground liquid petroleum gas tanks

Nominal capacity in litres	D in mm	L in mm	Weight in kg	Capacity in kg
990	800	2170	260	440
2700	1250	2480	530	1200
4850	1250	4280	800	2100
6400	1250	5500	1100	2900
12990	1600	6880	2800	5750

Protection against external corrosion  
 - Shot blasted to DIN 55928 part 4, grade Sa 2 1/2.  
 - Outer coating to DIN 4681 part 3.

