

OVERGROUND TANK DATA SHEET

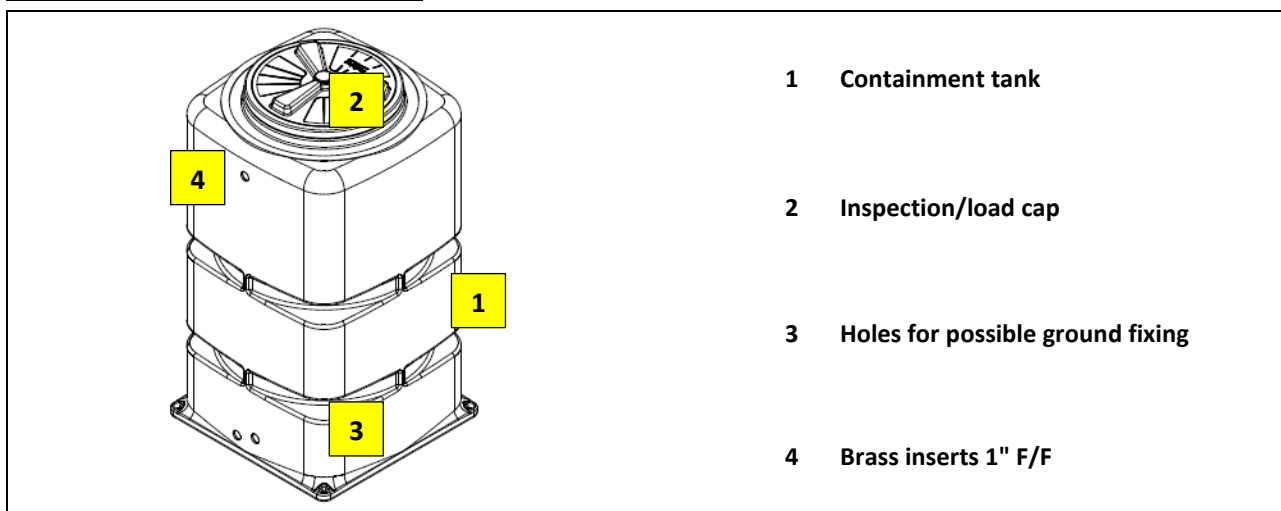
Model:	CLY 500 Q 070	CALYPSO	
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Description

Mass-coloured, ultraviolet-protected polyethylene tank for the storage of not particularly aggressive liquids, constructed using the rotational moulding technique with constant wall thickness, square type.

The tank is equipped with a $\varnothing$ 400 female bayonet cap with a non-watertight seal and vent so that the tanks are never subjected to pressures that deviate significantly from hydrostatic pressure and operate at atmospheric pressure. Included in the scope of supply are 3 non-toxic brass inserts, moulded, with female thread diameter 1" for possible connection of pipes, valves or fittings for filling and/or emptying the tank, with relative o-rings positioned on the inside of the cap in correspondence with the vent thread.

Product standard configuration

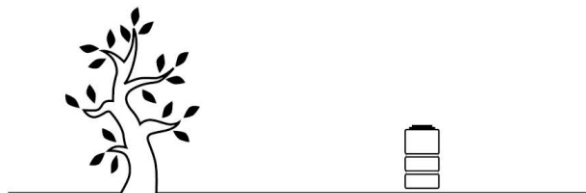


Function and use

Container for outdoor use for the storage of polyethylene-compatible liquids.

The tank can be used for the storage of: rainwater, first rainwater, fire-fighting storage, domestic waste water, landfill leachate, drinking water, etc.

The outdoor tanks must be positioned on a flat, even, horizontal surface (max. slope 4‰) and of a width equal to or greater than the base of the tank. The outdoor operating temperature range is -20°C +60°C. However, we recommend not exceeding 50 °C. Tanks can be drilled at the flat parts present for the insertion of pipes or fittings.



Standards and certifications

They respect the requirements:



Regulation n. 1935/2004 CE
 Regulation UE 2023/2006
 Regulation UE 10/2011
 Regulation UE 213/2018
 D.P.R. 777/82 e s.m.i.
 D.M. 21/03/73 e s.m.i.
 D.M. n 174 of 06/04/2004 e s.m.i.
 D.M. n. 63 of 10 March 2020 - CAM Construction
 2.3.5.1. Collection and reuse of stormwater
 D.M. n. 63 of 10 March 2020 - CAM Public Green
 Cap. H public green management - irrigation systems
 Technical specifications point 2: water reuse

Suitability for food contact:

Test report IIP nr. 821LP/2021 of 20/10/2021

Sizing

The sizing of the outdoor tanks was carried out considering the containment of liquids with $\rho = 1000 \text{ kg/m}^3$. For higher densities we suggest not filling the tank completely, but dimensional stability is not ensured. The average wall thickness is made in relation to the volume and shape of the tank.

DATA TABLE

dimensional

model	Volume	Le x W	h	Caps Ø 400	Vents
	litres	cm		nr.	nr.
CLY 500 Q 070	500	67 x 67	124	1	1

Notes:

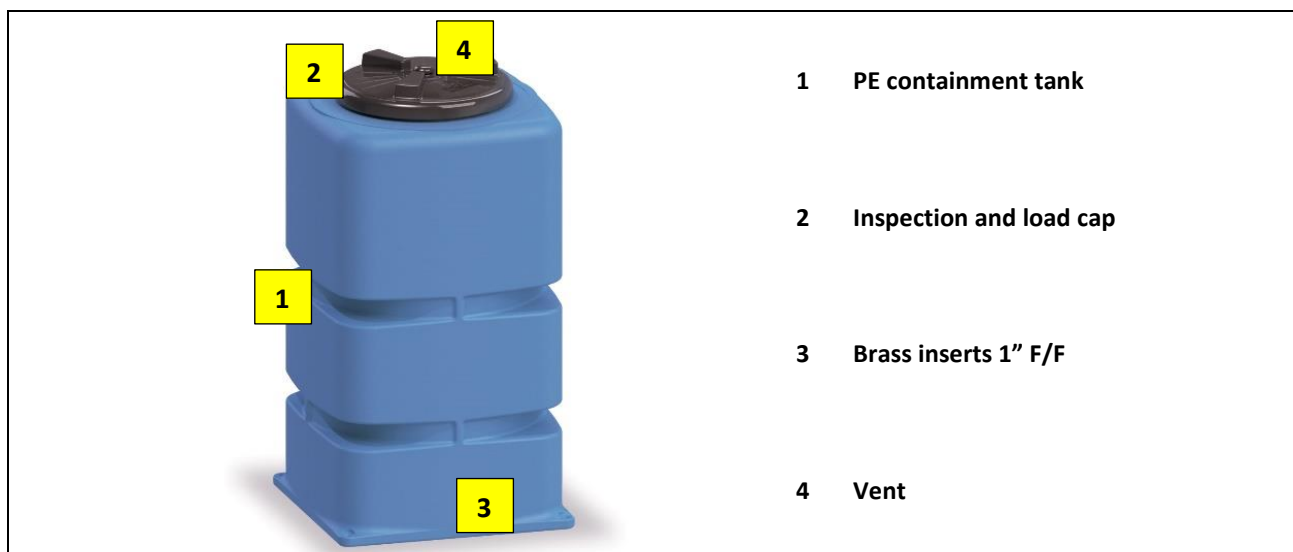
Heights and dimensions of items manufactured in PE by means of rotational moulding may have a tolerance of +/- 3%.

Available and recommended accessories

- Lip gasket GRN Y ...
- Overflow pipe TUB Y GRN ...
- Through-wall fitting RPP Y ...



OVERGROUND TANK MAINTENANCE



Installation

For installation, follow the instructions in our "Laying and Handling" manual.

Place the tank on a smooth, clean flat surface (max. slope 4 ‰) and distance it at least 10 cm from walls and obstacles. Do not place the tank underground, USE ONLY OUTDOOR.

Use and maintenance

Tanks are generally supplied without having undergone any internal or external treatment (washing, etc.....).

It is therefore necessary to carry out at least one internal wash with water and detergents or soaps specific to the type of use where necessary.

Finally, rinse thoroughly with drinking water.

For storage tanks, the following operations must be carried out at least once a year:

- Check the bottom of the storage tank for an excessive layer of silt and, if necessary, clean the tank with a water jet and disinfect with sodium hypochlorite.
- Check the effectiveness of any inlet and/or outlet nozzles fitted on the flat parts of the tank.
- Check that there are no deformations on the surface of the tank at least 48 hours after filling.

For all maintenance and operation of the system, please refer to the appropriate manual.



BLUE OVERGROUND TANK CONFORMITY CERTIFICATION

Model:	CLY 500 Q 070	CALYPSO	
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The overground tanks are used for the containment and storage of rainwater, rainwater, domestic sewage, drinking water, landfill leachate and all liquids compatible with polyethylene at atmospheric pressure according to the product data sheets (STC 01).

They are made of polyethylene using the 'rotational moulding' system and comply with the requirements of the following standards:

Regulation n. 1935/2004 CE

Regulation UE 2023/2006

Regulation UE 10/2011

Regulation UE 213/2018

D.P.R. 777/82 e s.m.i.

D.M. 21/03/73 e s.m.i.

D.M. n 174 of 06/04/2004 e s.m.i.

D.M. n. 63 of 10 March 2020 - CAM Construction

2.3.5.1. Collection and reuse of stormwater

D.M. n. 63 of 10 March 2020 - CAM Public Green

Cap. H public green management - irrigation systems

Technical specifications point 2: water reuse



Suitability for food contact according to Directives 95/31/EC and 96/77/EC

The blue PE material used to manufacture the tank complies with the global and specific migration limits and restrictions of the test conditions of the IIP-accredited laboratory at which the analyses are carried out and attested in the IIP -TEST REPORT N° 0821LP/2021 dated 20/10/2021 which can be viewed in the Company.

IMPORTANT:

- Place the tank on a smooth, clean flat surface (max. slope 4 ‰) and distance it at least 10 cm from walls and obstacles.
- Do not place the tank underground, USE ONLY OUTDOOR.

Warnings

External operating temperature -20°C ÷ +60°C, we recommend not exceeding 50 °C.

Before filling the tank with substances other than water, carefully check the compatibility of PE with the main chemical substances, indicated in the "chemical substances compatibility" table and contact Starplast's Technical Office if necessary. The tank is sized to contain liquids with $\rho = 1000 \text{ kg/m}^3$, do not exceed this value. The inspection or loading cap is of the bayonet type with a non-watertight seal, equipped with a vent: ensure its correct functioning during tank loading and emptying operations. Clean the container of any processing residues present or formed.

STARPLAST declines any responsibility concerning Title V of Legislative Decree 152/06 whenever the correct choice of plant solution authorised by the competent body, the correct tank management procedure and the inappropriate use of the product is not carried out.

For the correct installation, management and maintenance procedures, please refer to the appropriate booklets enclosed with the supply.

TECHNICAL OFFICE

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