

OVERGROUND TANK TECHNICAL DATA SHEET

Model: CLY 1000 V 090

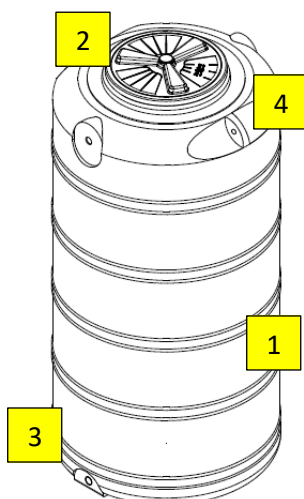
CALYPSO



Description

Tank in mass-colored polyethylene, protected from the action of ultraviolet rays for the storage of not particularly aggressive liquids, built in the technique of rotational molding with constant thickness of the walls of vertical type. The tank is equipped with a $\varnothing 400$ female bayonet cap with waterproof non-watertight seal and a vent so that the tanks are never subjected to pressures that differ significantly from the hydrostatic pressure and operate at atmospheric pressure. Included are no. 3 non-toxic brass inserts, co-molded, with 1" diameter female thread for eventual connection of pipes, valves or fittings for filling and/or emptying of the tank with relative o-ring placed on the internal wall of the closure cap in correspondence of the vent's thread.

Product standard configuration



- 1 Storage tank
- 2 Inspection/load cap
- 3 Brass inserts 1" F/F
- 4 Lifting eyebolts

Function and use

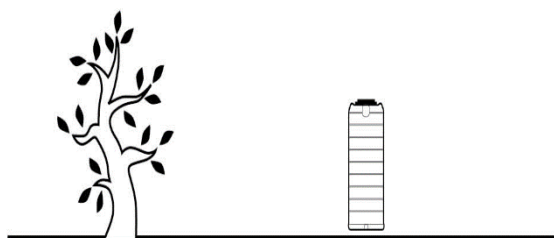
Container for outdoor use for the containment of liquids compatible with polyethylene.

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

The positioning of the outdoor tanks must be done on a flat, uniform, horizontal surface (max slope 4 ‰) and with a width equal to or greater than the base of the tank.

The external operating temperature range is -20°C + 60°C . However, we recommend not to exceed 50°C .

The tanks can be drilled at the existing flat parts for the insertion of pipes or fittings.



Standards and certifications

Compliant with the standards:

Regolamento n. 1935/2004 CE

Direttiva 2002/72/CE

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

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

D.M. n 174 del 06/04/2004

Drinking water suitability:

Rapporto ARPAM n 45/VR/14 del 29/10/2014

Rapporto ARPAM n 46/VR/14 del 29/10/2014

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 to completely fill the tank but dimensional stability is not ensured. The average thickness of the walls is made in relation to the volume and shape of the tank.

DATASHEETS

Dimensional

Model	Vol.	Le x W	h	Caps Ø 40	Vents
	lt	cm		cm	n.
CLY 1000 V 090	1.000	Ø 90	185	1	1

Notes:

- Dimensions and heights of products made of PE by rotational molding can have a tolerance of +/- 3%

Available and recommended accessories

- Lip gasket
- Overflow cap
- Bulkhead fitting

GRN Y....

TUB Y GRN....

RPP Y..



OVERGROUND TANK MAINTENANCE



Installation

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

Use and maintenance

The tanks are generally supplied without having undergone any internal and external treatment (washing etc ...). It is therefore necessary to carry out at least one internal washing with water and detergents or soaps specific to the type of use, where necessary. Finally rinse thoroughly with drinking water.

For the storage tanks it is necessary to carry out the following operations at least yearly:

- Check that an excessive layer of silt has not formed in the bottom of the storage tank and, if necessary, clean the tank with water jet cleaning and disinfection with sodium hypochlorite.
- Check the effectiveness of any loading and / or unloading nozzles inserted on the flat parts of the same.
- Verify the absence of deformations on the surface of the tank.

For every operation of maintenance and management of the system, please follow the appropriate manual.



BLUE OVERGROUND TANK CERTIFICATION OF CONFORMITY

Model: CLY 1000 V 090



Outdoor tanks are used for the containment and storage of rainwater, domestic wastewater, drinking water, landfill leachate and all liquids compatible with polyethylene etc ... as indicated in the product data sheets (STC 01). They are made of polyethylene, by means of the rotational "molding" system and comply with the requirements of the following Standards:

Regolamento n. 1935/2004 CE
Direttiva 2002/72/CE
D.P.R. 777/82 e s.m.i.
D.M. 21/03/73 e s.m.i.
D.M. n 174 del 06/04/2004
Rapporto ARPAM n 45/VR/14 del 29/10/2014
Rapporto ARPAM n 46/VR/14 del 29/10/2014

Suitability to contact with food according to directives 95/31/CE and 96/77/CE

The blue PE material used for the manufacturing of the tank complies with the global and specific migration limits and the specific restrictions of the test conditions of the IIP accredited laboratory where the analyzes are carried out and certified in the IIP TEST REPORT - TEST REPORT N ° 0821LP / 2021 of 20/10/2021 which can be viewed in the Company.

IMPORTANT:

- position the tank on a smooth and clean flat surface (max slope 4%) and distance it about 10 cm from walls and obstacles.
- Do not bury the tank, FOR ABOVE GROUND USE ONLY.

WARNINGS

External operating temperature $-20^{\circ}\text{C} \div +60^{\circ}\text{C}$, Recommended not to exceed 50°C .

Carefully check the compatibility of PE with the main chemical substances, indicate in the "chemical substances compatibility" table and contact the technical department if necessary.

The sizing of the underground tank is calculated for the containment of liquids with $p = 100\text{ kg} / \text{m}^3$, do not exceed this value.

The loading inspection cap is of the bayonet type with a waterproof and non-watertight seal, equipped with a vent: to ensure correct operation of the same during the tank filling and emptying operations.

Clean the container of any machining residues that may be present or formed.

STARPLAST declines any responsibility concerning Title V of Legislative Decree 152/06 whenever the correct choice of plant solution authorized by the competent body, the correct management procedure of the purification process and inadequate use of equipment and of the artifacts making up the plant itself.

For the correct installation, management and maintenance procedures, please refer to what is indicated in the specific booklets attached to the supply.

TECHNICAL OFFICE

Technical Department Manager


Pierluigi Dell'Onore

