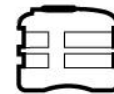


CORRUGATED UNDERGROUND TANK DATA SHEET

Model: SEI CC 1000 AG

SERBATOIO

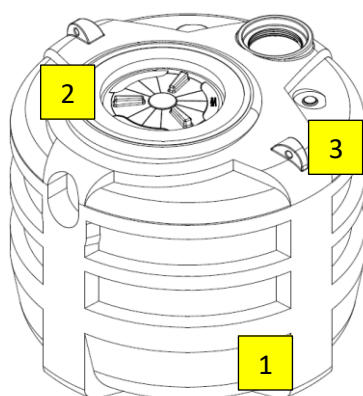


Description

Polyethylene tank for the storage of not particularly aggressive liquids, built in the rotational moulding technique with constant wall thickness, corrugated underground model.

The tank has a structure reinforced by means of vertical and horizontal ribs and is equipped with a $\varnothing$ 400 male bayonet cap with non-watertight sealing and venting so that the tank is never subjected to pressures that deviate significantly from the hydrostatic pressure and is therefore suitable for operation at atmospheric pressure.

Product standard configuration



1 Corrugated tank

2 Inspection cap

3 Lifting eyebolts

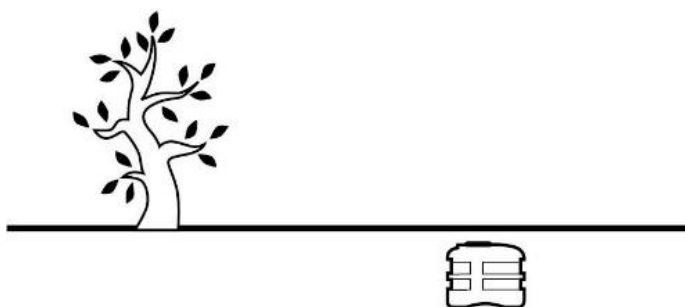
Function and use

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

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

Positioning of the underground tanks must be done on a flat, even, horizontal surface that is equal to or larger than the base of the tank. The sides of the excavation must be at least 30 cm larger than the external dimensions of the tank. The external operating temperature range is -20°C $+60^{\circ}\text{C}$. However, we recommend not exceeding 50°C .

Tanks can be drilled at the flat parts present for the insertion of pipes or fittings.



Via dell'Artigianato, 43 / 61028
Mercatale di Sassocorvaro Auditore (PU)
+39 0722 079201

info@starplastsrl.it
www.starplastsrl.it
Starplast srl



Standards and certifications

They respect the requirements of:



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. 823LP/2021 of 20/10/2021

Sizing

The sizing of the underground tanks was carried out by verifying the mechanical strength of the geometry when subjected to the working conditions. The structural analysis of the geometries was conducted through the creation of a finite element calculation model and through experimental crush tests performed on the finished product. The tank was then dimensioned to withstand a maximum overburden load of no more than 40 cm with topsoil. In the case of the containment of liquids with $\rho > 1,000 \text{ kg/m}^3$ it is necessary to carry out additional preventive tests in order to ensure its regular mechanical stability.

DATA TABLE

Dimensional

model	Volume	Le x W	h	Caps		Vents
				Ø 400	Ø 600	
	litres	cm		nr.		nr.
SEI CC 1000 AG	1.050	Ø 130	103	1	-	1

Notes:

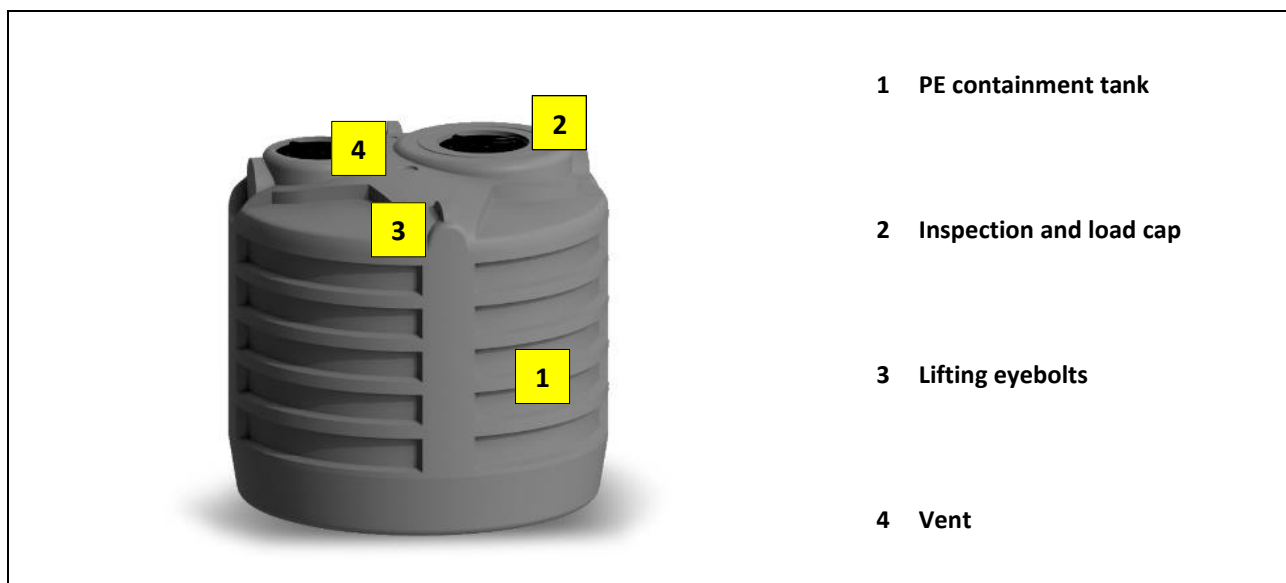
Heights and dimensions of rotationally moulded PE products may have a tolerance of +/- 3%.

Available and recommended accesories

- Extension PRO X 400
- Telescopic manhole CHI Y 600-400
- Lip gasket GRN Y....
- Overflow pipe TUB Y GRN....



UNDERGROUND TANK MAINTENANCE



Installation

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

Place the tank on a smooth, clean flat surface and distance it at least 30 cm from the walls of the excavation or any obstacles.

When using the tank outdoors, check the instructions in the manuals.

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 inner surface of the tank at least 48 hours after filling.

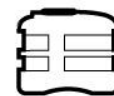
For all maintenance and operation of the system, please refer to the appropriate manual.



GREY UNDERGROUND TANK CONFORMITY CERTIFICATION

Model: SEI CC 1000 AG

SERBATOIO



Underground 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 grey 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 where the tests are carried out and attested in the IIP -TEST REPORT N° 0823LP/2021 dated 20/10/2021 which can be viewed in the Company.

IMPORTANT:

- Place the tank on a flat surface and carefully follow the instructions in the handling and installation booklet enclosed with the delivery.
- Do not place the tank outside USE ONLY UNDERGROUND.

Warnings

External operating temperature $-20^{\circ}\text{C} \div +60^{\circ}\text{C}$, 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 dimensioning of the tank to be buried is calculated to withstand a maximum covering load with vegetal soil for a thickness of no more than 40 cm (walkability).

Always ensure that the vent is connected before loading and emptying the tank, and only check that the inspection cover is properly closed after filling.

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

Technical Department Manager

Pierluigi Dell'Ontè



Via dell'Artigianato, 43 / 61028
Mercatale di Sassocorvaro Auditore (PU)
+39 0722 079201

info@starplastsrl.it
www.starplastsrl.it
Starplast srl

