UNDERGROUND TANK
FOR WATER STORAGE FROM 10 TO 20 M3
POLYETHYLENE (PE)

SIMOP
EQUIPEMENTS POUR L'ENVIRONNEMENT

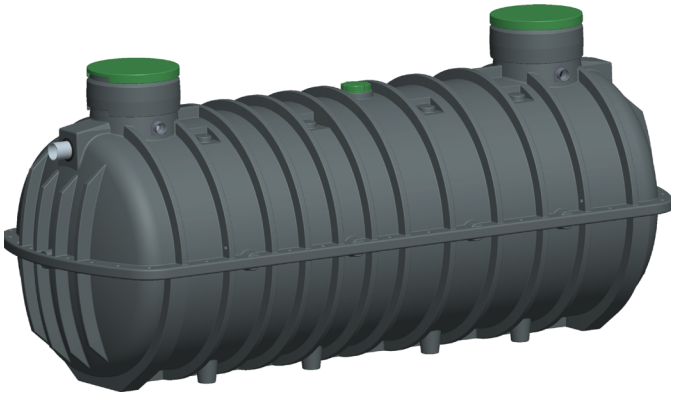
Redonnons le meilleur à la terre

6327

1 Technical definition

Underground storage tank in black high-density reinforced polyethylene for non-food use or for density 1 runoff.

This tank has been designed and manufactured to withstand earth pressure when completely empty, even in hydromorphic soils, with a maximum water level of 1 metre above the bottom of the tank. For higher water levels, we offer polyester tanks (see data sheet 6323). Tank made of linear medium-density polyethylene



2 Maintenance

The tank requires no special maintenance.

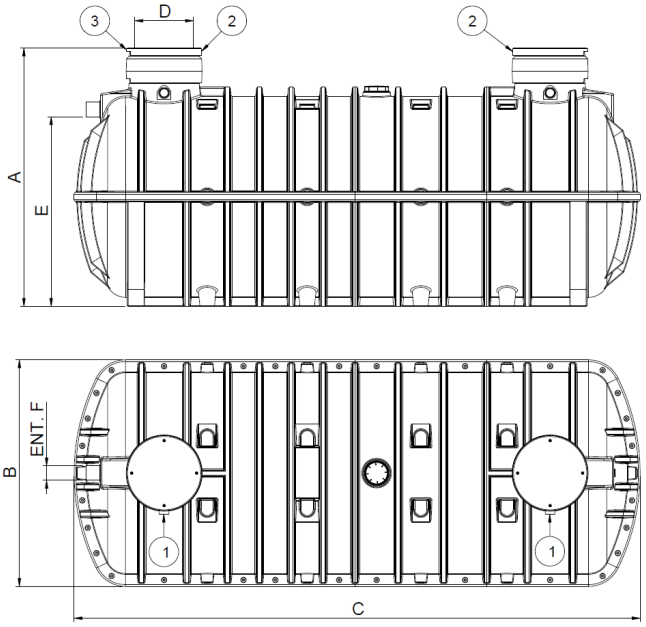
It simply needs to be drained and cleaned periodically. We recommend checking the piezometer to ensure that the groundwater level does not exceed 1 meter above the bottom of the tank.

3 Drainage

Complete emptying at the end of summer, with cleaning and suction of deposits at the bottom of the tank before refilling in winter.

4 Guarantee

WarrantyThe vat room is covered by a 10-year anti-corrosion warranty.



1. Ventilation D100
2. Lid to be put down
3. Integrated free-standing extension (Ref. RH2/6030)
4. Lifting rings

Reference	Volume	A	ø B	C	ø D	E	ø F	Number of belts (options)
FSE2/6327/10	10 000 L	2840	2490	3480	600	2085	160	3
FSE2/6327/12	12 000 L	2840	2490	4000	600	2085	160	3
FSE2/6327/15	15 000 L	2840	2490	4782	600	2085	160	4
FSE2/6327/17	17 000 L	2840	2490	5332	600	2085	160	4
FSE2/6327/20	20 000 L	2840	2490	6232	600	2085	160	4

Options	
RH2/6030	Screw-on polyethylene extension. Height 300 mm
CA3/6394/10T	Anchoring belt 10T 10M

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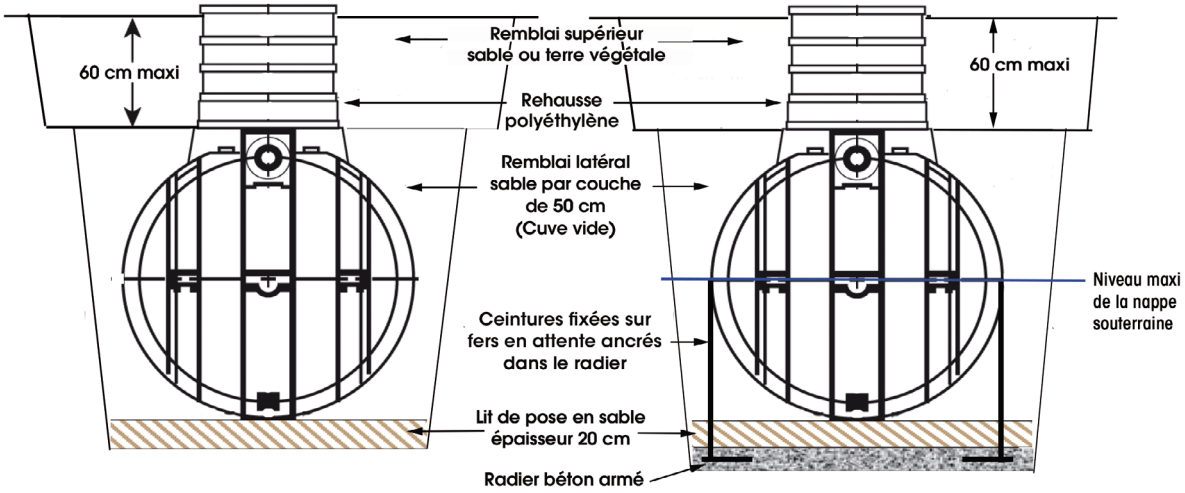
INSTALLATION ON NON-HYDROMORPHOUS GROUND
NO CLAY
WITHOUT GROUNDWATER

LAYING ON HYDROMORPHIC SOIL AND/OR CLAY
MAXIMUM GROUNDWATER LEVEL
= 1 meter maximum / tank bottom



5 Handling

Tanks must be handled using chain slings to be hooked onto the lifting rings located on top of the shell, and with lifting equipment suited to the volume of the tank.
• Chain slings must be supplied by the installer.
• Provide access to means of transport adapted to the location

6 Earthworks

Please note: the height of the tank must be calculated in such a way as to ensure that the height of the groundwater table does not exceed 1 meter above the bottom of the tank.

Create a separate excavation for each tank and, if necessary, draw down the groundwater table until backfilling of the unit is complete.

The walls of the excavation must be approximately 50 cm all around the tank. The bottom of the embankment must be at least 4 m from the tank.

7 Creation of a protective slab

Just above the upper generatrix of the tank, build a self-supporting reinforced concrete slab on stabilized, undisturbed ground all around the excavation in the following cases:

1. In case of backfill more than 60 cm above the upper generatrix of the tank.

2. In case of punctual overload due to the passage of vehicles at less than 4 m from the edge of the excavation.

3. When using concrete sockets.

4. In case of overloads due to extreme climatic conditions.

This slab must rest on the stabilized, undisturbed ground around the excavation.

Please note that before the protective slab is laid, the tank must be backfilled with sand and then completely filled with water.

8 Anchoring belts

It is imperative to use the appropriate belts, when fastening them around the tank and on the irons. They must not be subjected to excessive tension in order to maintain the cylindrical shape of the tank.

1 juillet 2024