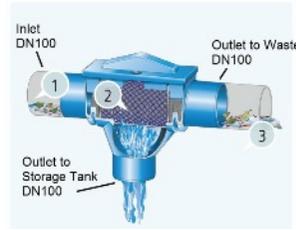


## Sensible add-on equipment



### Filter

Either a pre-tank filter like the Rainus (left) or in-tank filter like the Compact Filter (right) ensures debris is removed from rainwater before storage.



### Submersible Pump



The SteelPump XAJE80P is a submersible clean water pump with anti-blocking system and dry run protection with automatic restart. It comes with a non-return Valve (NRV) that you screw into the water inlet. We suggest you combine the SteelPump with a short (30cm) Floating Intake (not shown).

### Pump to Turret Hose Set



The Pump to Tank Turret Hose Set connects to the the 1.25" outlet of the SteelPump to the tank turret via a hose. We suggest taking the stored water out through one of the flat faces of the tank (a hole will need to be drilled).

### Calmed Inlet



A Calmed Inlet at the bottom of your water tank will ensure that the water flowing into your tank will not disturb the settled sediment. The shape of the Calmed Inlet means that water is pushed upward into the tank. The upward flow of the water into the tank oxygenates the stored water.

All items can be purchased from [celticwater.co.uk](http://celticwater.co.uk)



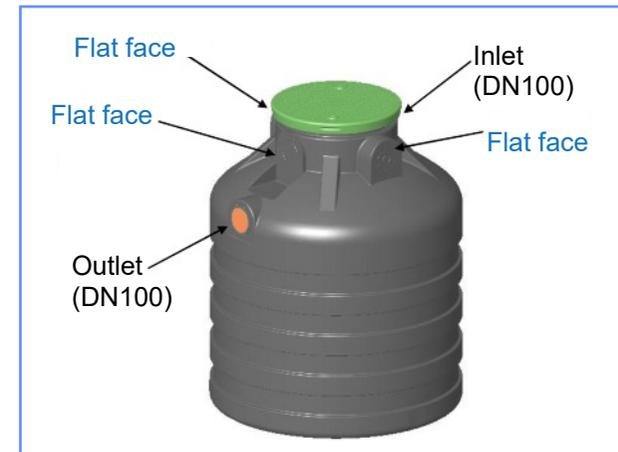
Celtic Water  
Unit 9, Parc Teifi  
Cardigan, SA43 1EW

Tel: 01239 777001  
Email: [sales@celticwater.co.uk](mailto:sales@celticwater.co.uk)  
OFFICE HOURS: 9am to 5pm Monday to Friday

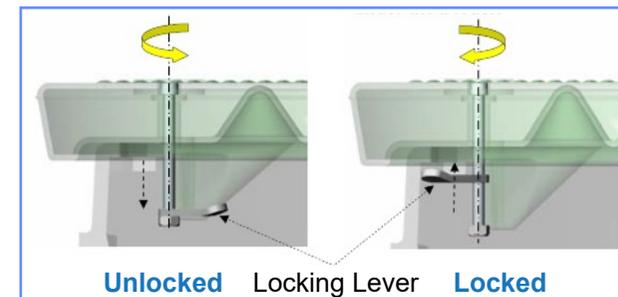
## 1000L Underground Water Storage Tank Installation Instructions

PRODUCT NO  
SP08066

This compact underground tank is perfect for people who want to harvest and store rain water underground. The tank is seamlessly moulded in one piece from black, food-safe PE plastic, very thick-walled and extremely dimensionally stable. The 55cm manhole chamber has a 48cm opening.



The tank arrives with the double-insulated green lid with child-proof lock screwed on.



## Components

The 1000l tank comes with the following components as standard:

- 1000l Tank
- Lid (screwed down)

## You will also need:

- DN100 Pipe
- Back fill material (sand, pea gravel, soil without stones)

## Optional Accessories

- Rainwater Filter
- Submersible Pump with Floating Intake
- Pump to Turret Set
- Calmed Inlet

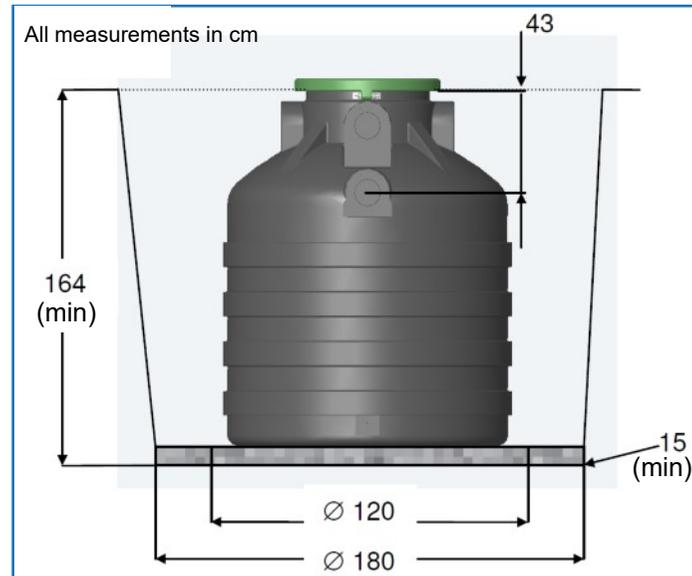
## To unlock the lid

turn the stainless steel screw approx 10 times to the left and tilt to lift. When locking ensure the lever is turned back up and so that it is under the rim.

If in any doubt during installation, please consult a professional tradesperson or the Technical Team at Celtic Water on 01239 777001, email [sales@celticwater.co.uk](mailto:sales@celticwater.co.uk)



## Excavation pit, and location



- Inlet and Outlet pipes should be on a down gradient of at least 3%.
- The tank should be positioned in the centre of the excavation.
- There should be 30cm between the tank and the pit wall.
- If two or more tanks are installed side by side, the gap should be at least 50cm between the tanks.
- Position as far from trees as possible. At the very least positioning should take into consideration the final tree crown size and the tank positioned so that there is no interference from the root system.
- The pit depth should allow an extra 25cm (which provides for a sand bed of 15cm below and 10cm above the tank).
- The base of the pit must be sufficiently stable and level (horizontal).
- For areas with a high water table, the tank needs to sit on concrete and be bedded in the concrete up to about a further 20cm.

**NOTE:** The tank lid, when tank is installed, can be walked on but is not designed to take vehicle weights. Do not install the tank on slopes.

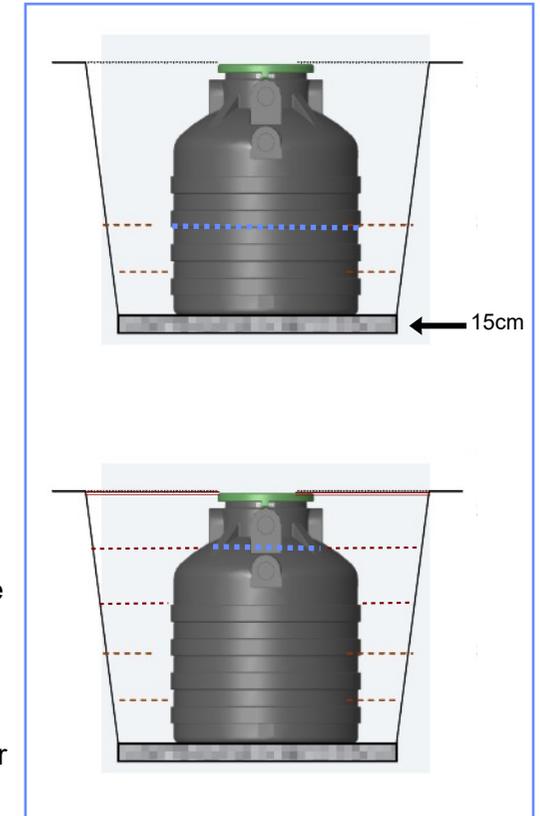
## Installation and backfilling

### Backfill material

Gravel sand or gravel with a grain size of 32mm. It is also possible to use excavation material, when it is easily to compress, permeable and free of sharp objects.

### Installation instructions

1. Compact a bed of 15 cm of sand at the base of the pit.
2. Place the tank on the bed of the pit. Ensure it lies flat over the entire surface, is vertical, and that a constant distance to the excavation edge is maintained.
3. Half fill the tank with water.
4. Filling with sand, pea gravel or soil with stones removed built up in layers of max.40cm.
5. Compact every layer.
6. When the excavation pit for the tank is half filled, fill the tank with water.
7. Continue backfilling and compacting as described under point 4.



If you don't have enough sand, gravel or soil free of sharp stones available to fill the whole excavation, ensure the tank is surrounded, at least 20cm thick all the way around, with the finer material and backfill with material excavated from the hole.



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