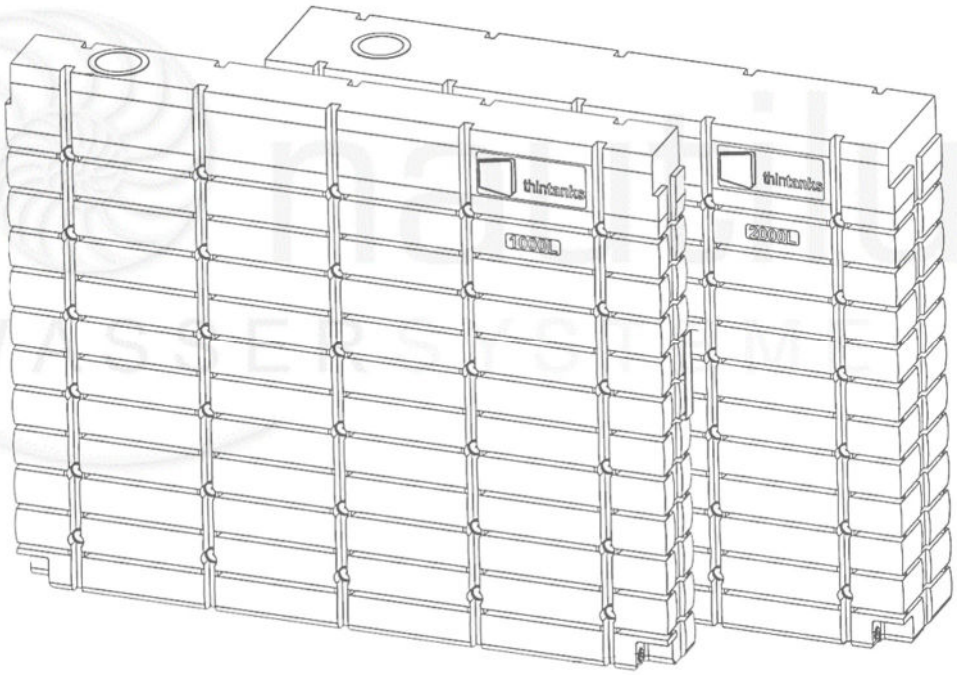
Assembly instructions

Polyethelene rainwater tank

ThinTanks™ series

1000 L / 2000 L

Version 02-2025



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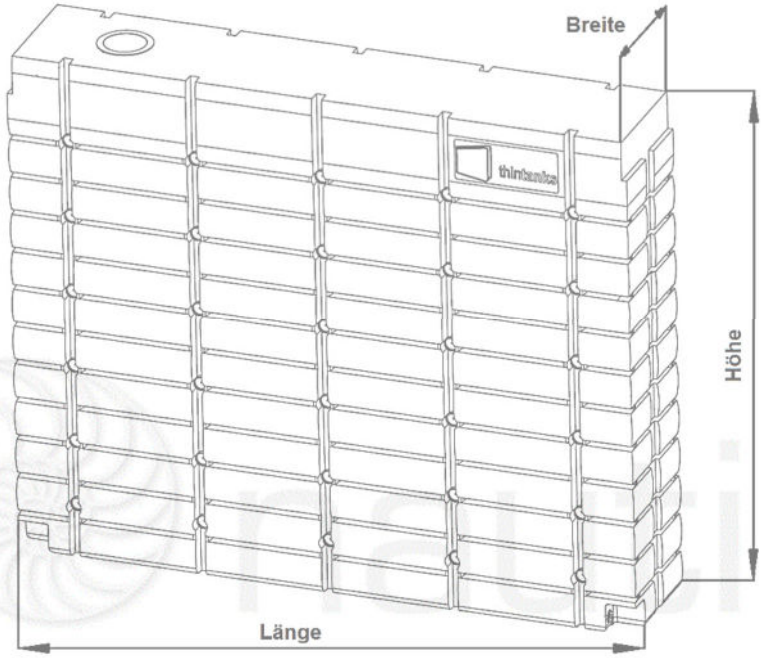
1 Scope of application

The rainwater tank of the brand ThinTanks™ is designed to store rainwater for subsequent use in garden irrigation.

2 Overview volumes, dimensions, empty weights



Volumes	Length	Height	Width	Weight
1000 litre	2395 mm	1975 mm	255 mm	96 kg
2000 litre	2395 mm	1975 mm	470 mm	135 kg

3 Scope of delivery

The standard scope of delivery of the ThinTank 1000 L/2000 L includes the following components:
- Rainwater tank ThinTanks™ with pre-assembled side overflow including lip seal DN50 and 2x connection thread 1“
- Accessories in a separate box include:
    - 1 x filter basket (self-assembly in connection: inlet Ø 165 mm)
    - 2 x screw plug 1" including sealing ring for self-assembly
    - 1 x Allen screwdriver 17x177mm
    - 2 x wall bracket for wall mounting

Optional additional accessories:
- ThinTanks™ connection set, consisting of 2 x 1" connecting pieces, 2 x worm thread clamps, 0.5 m PVC hose
- 30 x plugs (plugs for closing the openings)
- ThinPots as a set of 4 or 8 including ThinPots adapter for planted decoration

Optional material to be provided by the customer:
- Material for making the floor foundation
- Post for free-standing installation (70x70x2400mm, alternatively 60x40x2400mm, standard fence posts)
- Irrigation systems for drip hose to be routed in the Thintanks™ braces and for automatic watering of the ThinPots, also serves to attach the ThinPots (alternative mounting option with poles to be provided on site)
- Suction pump for 1" connection
- external water tap (commercially available)

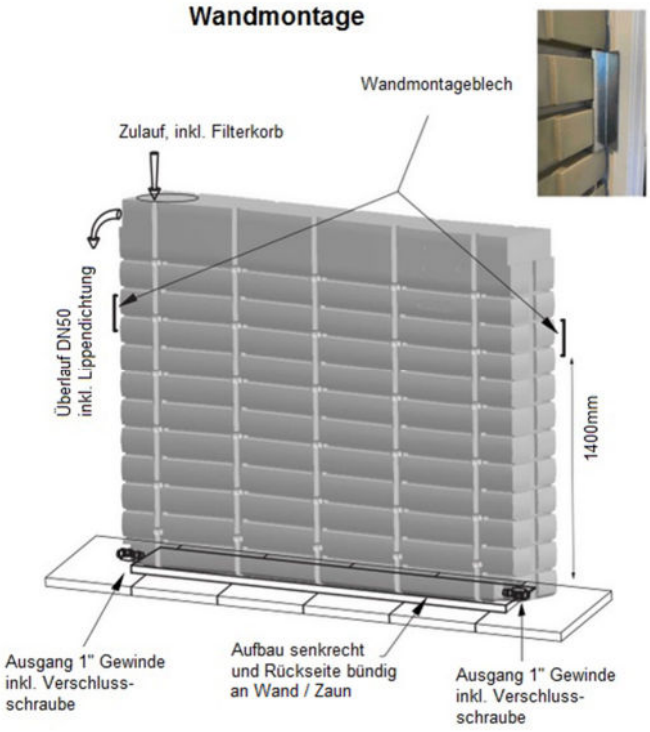
4 Assembly

4.1 Subsoil / base plate

It is important that the ThinTanks™ are placed on a firm, stable and level foundation that does not settle or move when wet. The ground can be slightly sloping along its length (with a gradient of approx. 1%); the ground must be level on the broadside.
A suitable base plate can be made with concrete or paving slabs.

4.2 Wall mounting

1 On an existing pavement, in front of a fence or wall, the ground must be built up to ensure the front of the tank is vertical and the back of the tank is flush with the fence or wall.
2 Place the tank on the level ground and fix it to the fence or wall at both ends using the wall brackets included in the delivery. Place brackets approximately 1400 mm above the base. The wall brackets must be fixed to the wall at both ends of the brackets using suitable screws and plugs, depending on the wall condition.
3. The wall brackets are required to ensure that the tank(s) cannot be accidentally pulled down by human hands.

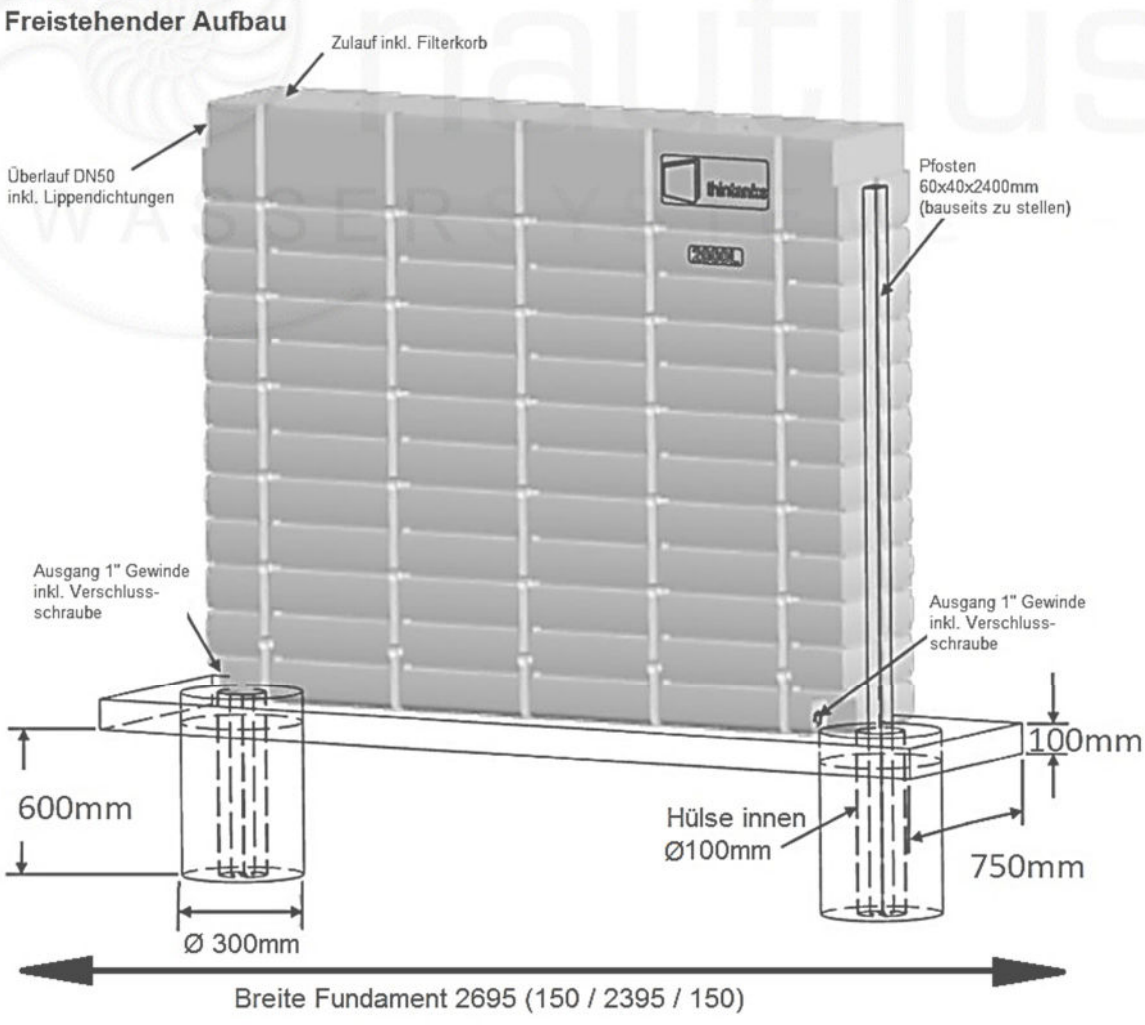


4.3 Freestanding installation

For freestanding assembly, 2 support posts with the dimensions 60 x 40 x 2400mm and 2 x sleeves DN100 (KG / PVC or PP pipe section) are required. These must be provided on site and are not included in the delivery.

Attention: The recommended size of the foundation may not be sufficient in sandy areas. Seek advice from a local fencing contractor or civil engineer.

1 Mark the position of the support poles and dig the foundation holes 300mm in diameter and 600mm deep; and add a layer of gravel at the bottom for drainage
2 Lay concrete paving stones between the foundation holes; alternatively the concrete foundation can be poured
3 Position the sleeves for the support posts in the foundation holes and coat the outside with concrete
4 Once the concrete has set, the rainwater tank is placed onto the paving stones / concrete foundation and the posts put in position. To finish off, concrete is poured around the posts to fix them in place.



4.4 Installation of the connections

At the top of the tank is the pre-assembled filter basket for preliminary cleansing of the rainwater to be discharged. The downpipe can be installed via this filter. Where there is a risk of frost, care must be taken to ensure that the inlet pipe can be decoupled from the rainwater tank.

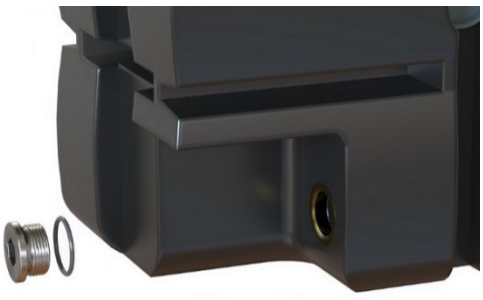
The drain connections 1" are located at the bottom of both end faces. They are sealed at the factory and can be easily opened using a drill. For closing the connections, a screw plug (Allen 17 mm hexagon) including an O-ring is included in the delivery.

The overflow is located centrally on the tank side 80mm from the top with a pre-mounted DN50 lip seal. The overflow can be connected here in hose or pipe form using commercially available materials.

5 Installation of the water intake

The ThinTank is equipped at the factory with a 1" threaded connection and mounted screw plug on both lower sides of the tank. Both sides can be connected for water withdrawal. Water can be withdrawn, for example, using a suction pump. Owing to the natural hydraulic pressure, it is also possible to connect a water pipeline with a tap. For the installation of the ThinPots, we recommend laying a drip irrigation line.

To connect the respective water withdrawal, loosen the cap on the desired side using an Allen key (17mm hexagon). The corresponding accessories can now be connected in the 1" threaded connection. (**Tip**: For ease of installation when connecting pieces with the external hexagon, we recommend connecting them before the final positioning of the tanks).



6 Mounting the optional plugs

Plugs can be ordered in the respective matching colour to close the pull-throughs. The plugs only serve as visual protection and have no technical effect.

For installation, the plugs can be inserted manually into the openings or carefully hammered in with the help of a round timber as a punch.

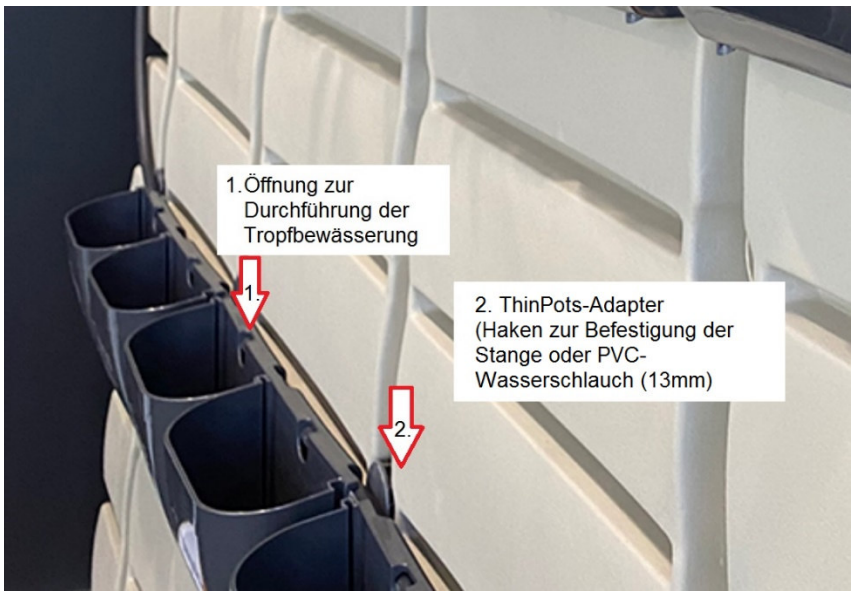
7 Mounting the ThinPots plant pots

The stylish ThinPots can be mounted on any side of the tank using the adapters supplied. We recommend mounting them with a drip irrigation line (available at most garden centres).

ThinPot adapter is inserted into the drainage opening.

The hook opening is open at the top and positioned horizontally.

The ThinPots can be suspended via this hook using a rod (13mm / 1/2") or the drip irrigation hose (13mm / 1/2"). The ThinPots have an opening at the back for laying the drip irrigation. For mounting, the ThinPots are hung over the hose or the alternative rod.

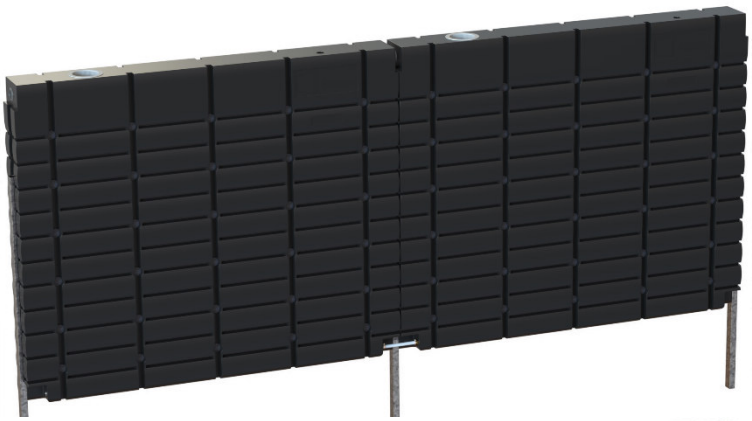


1. Opening for drip Irrigation
2. Thinpots adapter (hook to attach pole or PVC water hose (13mm))

Image: Installation ThinPots and connection options for drip irrigation system

8 Multi-container connection ThinTanks™

The ThinTanks™ are ideal for connecting several tanks, for example as a fence element or privacy screen. The freestanding installation is recommended. The tanks can be placed directly from both sides to a supporting post.



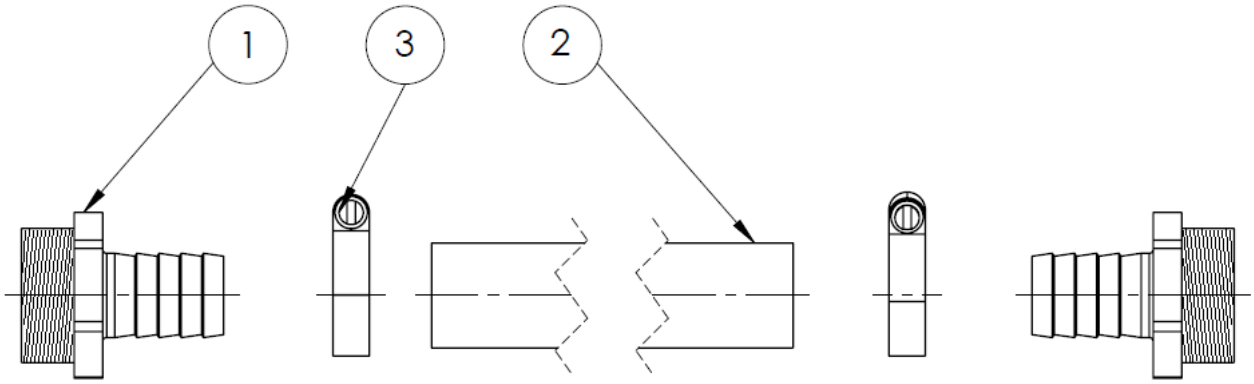
When installing using wall mounts, a distance of approx. 10cm must be maintained between the tanks due to the wall bracket.

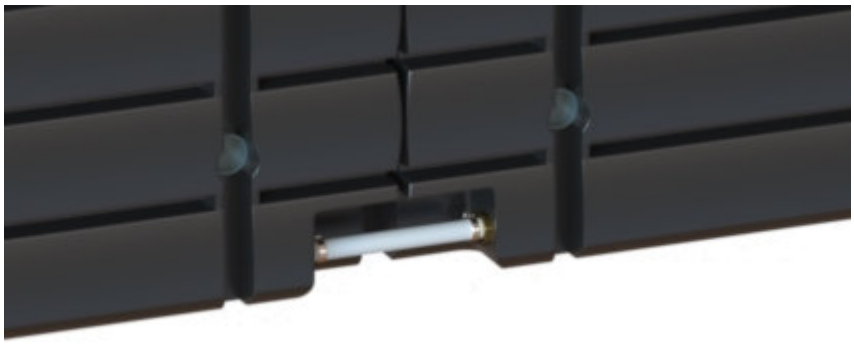
8.1 Mounting connection set

The following components are included in the delivery of the connection set (VT.0000.0010):

- 2 x connecting pieces DN19-G1“ (1)
- 0.5m PVC fabric hose DN19 transparent (2)
- 2 x Screw thread clamp D16-27 (3)

1. To connect the tanks, remove the screw plug on the respective tank side (Allen key 17mm)
2. Mount the connection piece on both connections (1) (Tip: For better sealing, we recommend using sealing tape to mount)
3. Position both tanks so that the distance between both connections can be defined. Shorten the PVC hose (2) to the required length.
4. Slide both hose clamps (3) over the PVC hose (2) and mount the ends of the hose on the connection piece (1). (Tip: by lightly heating the PVC hose, it is easier to slide it over the connection piece)
5. Tighten the hose clamps (3) on both ends.





Assembly example

9 Operation and maintenance

The ThinTank™ rainwater tank requires very little maintenance when properly installed.
Typical maintenance requirements include:

- Cleaning of the filter inserts every 3-6 months or based on the amount of dirt
- Removal of leaf debris from roofs and gutters every 3-6 months
- Checking the foundation for water accumulation
- Removal of the sediment layer at the bottom of the tank approx. every 2 years

9.1 Flushing the tank interior – removing the sediment layer

Approximately every 2 years, the rainwater tank should be rinsed to remove the sediment layer on the bottom. This is required to prevent clogging of the water connections. To flush the rainwater tank, remove the filter basket from the inlet. Empty the filter basket and rinse with clear water.
The connected accessories for water extraction must be decoupled so that the water is able to flow out unhindered.
Use a high-pressure cleaner. From above via the inlet opening, clean the tank bottom to remove the deposits.
Once the sediment and debris have drained, reconnect the connectors at the bottom and replace the basket filter back on top.

10 Winter provisions

The rainwater tank above ground must be protected against frost. This is done by emptying the rainwater tank completely before frost sets in. To do this, disconnect the connected accessories for water extraction to allow the rainwater to drain off. Please ensure protection of the foundation accordingly. It may be necessary to divert the rainwater. Disconnect the inlet downpipe from the rainwater tank during the entire frost period to prevent further filling. The drain connections also remain open.

The filter screen insert must be stored in a frost-proof location. One the period of frost has passed, the connections inlet and water withdrawal can be reconnected.

Note: Warranty claims for frost damage are excluded.