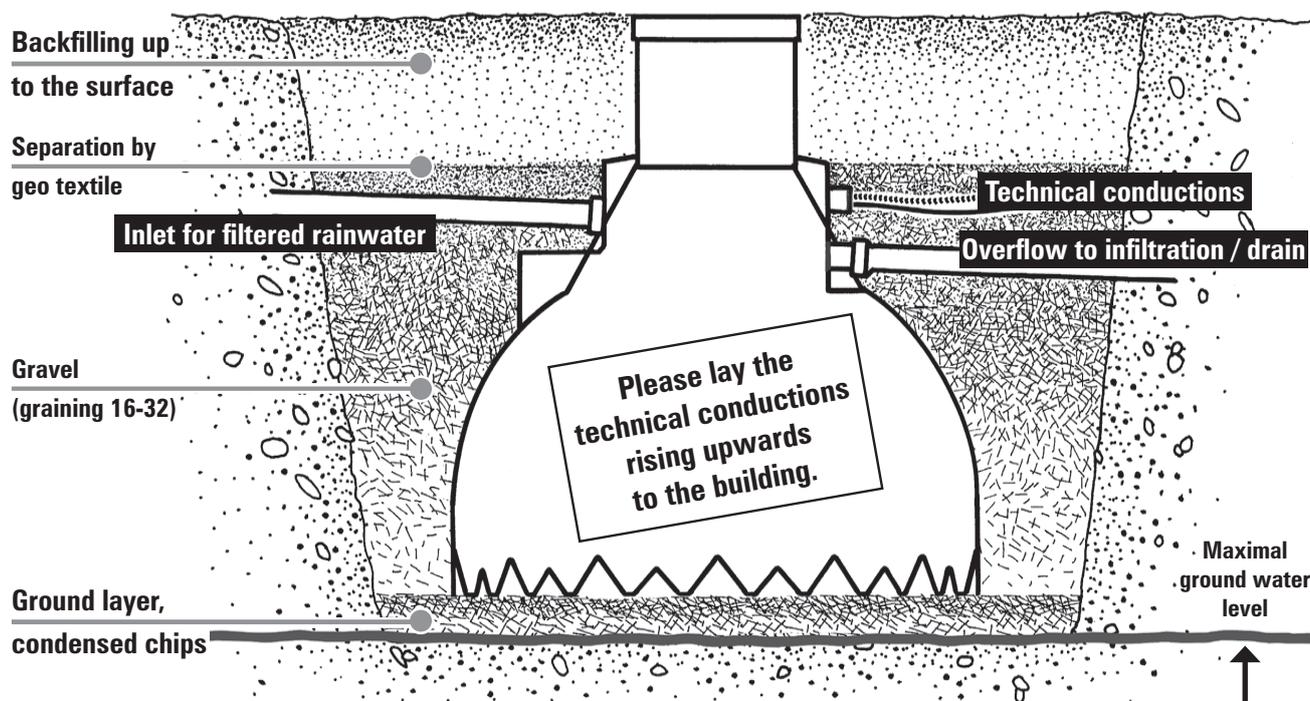


WISY-Rainwater Storage Tank Installation guide for basic equipment



❶ Excavation and digging depth

Take care of enough safety distance to the house foundation as well as of best and short tube connections. The digging depth please derive from the table (see backside, measure B + 20 cm). Up to the base of the excavation no groundwater or underground waterlayer is permitted (see picture).

Important note! Plastic tanks cannot be used below maximum groundwater level or in zones with underground water layers.

In case of a high density of the underground (f.i. loam / clay soil) take care of a secure drainage of seeping water.

❷ Making the excavation and ensure building site security in accordance with DIN/UVV

The excavation can be digged round or square (diameter 3 m minimum) according to the safety instructions.

❸ Making the ground layer

Bring in ca. 20 cm of fine chip and condense highly (Vibrator).

❹ Lifting down the tank

Use the two steel eyes of the final ring to lift down the tank into the pit by wire or crane. The tank has to be lined up horizontal (spirit level)..

❺ Installations inside the tank

All installations inside the tank such as installation of tubes, calming inlet, overflow, potable water feed or other technical devices (pumps, suction hose etc.) have to be done now. For this the protection lid of the respective opening shall be removed.

❻ Start filling up the pit up to the tube connctions

To fix the tank and for to avoid deformation fill the tank to one third with

water before filling up the pit for 50 cm layerwise around the tank, using gravel (16-32 graining). After that fill in the tank another third of water. Then fill up the pit around the tank, using gravel (16-32 graining), up to the height of the connection tubes. For to fill the pit don't use sand!

❼ Connecting the tank to tubes and technical conductions

For this connect the belonging tubes (filtered rainwater & infiltration pipe / drain pipe) to the tank. In setting zones the tubes are to arrange flexible with tube-fittings in S-form (view from above). Electric wires and technique lines (as suction hose etc.) can to be led through the technical conductions watertight by using the WISY wall bushing (Assecoires WD 2110).

❽ Go on filling up

After all connections are done cover the pipes with a layer of ca. 10 cm gravel. Beside the pipes go on filling up the pit, using gravel (16-32 graining).

❾ Running a test with the complete installation

Now check the correct functions of all the installations. **Note ! Check : rainwaterinlet, filter, calming inlet, overflow to infiltration / drain, drain backflow valve, all belonging tubes, function of all technical device (pump, dry-running protection, potable water feed, level indicator etc.).**

❿ Finally fill up the excavation to ground level

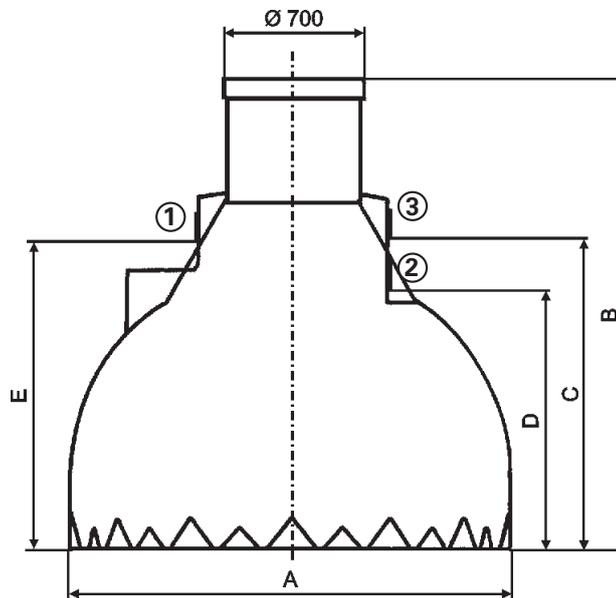
Fill now the pit with gravel up to ca. 20 cm beneath ground level. The last 20 cm cover with a layer of soil. Filling up the pit has to be done immediately to avoid infiltration of seeping water while the pit is still open. Compacting the surface has to be done carefully manually. Separation between layers of gravel and soil by geo textile.

Basic Notes:

The WISY rainwater tanks made of PE are suitable for placing outside up ground and in the ground as well as inside cellars and halls.

WISY-rainwatertanks are of a defined height, which can be adapted variable to the desired level of the earth's surface by adding a prolonging tube or shortening the man hole. The height can be prolonged or cut by maximal 30 cm. If the man hole is prolonged more than 30 cm and the tank is installed deeper in the ground WISY can't give any guarantee.

For placing the tank outside up ground it should be ordered as 'black' to avoid the growth of algae.



- ① Rainwater Inlet
- ② Overflow to infiltration or drain
- ③ Technical conductions

Art.-No.	Volume	Diameter A	Installation depth B	Technical conductions C	Infiltration/drain connection D	Rainwater inlet E
RS 1000 / RS 1010	4 m ³ (1,000/gallons)	Ø 2150 (7 ft.)	2340 (7.7 ft.)	1580 (5.1 ft.)	1375 (4.5 ft.)	1550 (5.1 ft.)
RS 2000 / RS 2010	5 m ³ (1,300/gallons)	Ø 2350 (7.7 ft.)	2480 (8.1 ft.)	1645 (5.4 ft.)	1360 (4.5 ft.)	1600 (5.3 ft.)
RS 3000 / RS 3010	6 m ³ (1,500/gallons)	Ø 2350 (7.7 ft.)	2730 (8.9 ft.)	1910 (6.3 ft.)	1610 (5.3 ft.)	1850 (6.1 ft.)

All sizes (in mm / ft.) are liable to manufacturing fluctuations. The dimensioning of the tube and bushings reference to the bottom of the pipe.

Rainwater storage tank, basic equipment

Art.-No.

Rainwater storage tank with final ring, child safety device and accessible cover of aluminium or cover of steel which carries cars, **without** WFF, smoothing inlet and Multisiphon

- 4 m³-Volume, passable on feet RS 1000
- 4 m³-Volume, carries cars RS 1010
- 5 m³-Volume, passable on feet RS 2000
- 5 m³-Volume, carries cars RS 2010
- 6 m³-Volume, passable on feet RS 3000
- 6 m³-Volume, carries cars RS 3010

Accessoires

Art.-Nr.

- Extension tube for rainwater storage tank (PE), to raise the inspection opening to ground level. Ø 70 cm (2.3 ft.), length at demand RV 1010
- Extension tube for vortex fine filter (PP), to raise the inspection opening to ground level. Ø 30 cm (11.8 in), length 50 cm (1.6 ft.) WV 1010
- Intermediate ring for rainwater storage tank. Necessary to connect the extension tube RS 1020
- Final ring with TÜV tested child safety device. Necessary to connect steel or aluminium cover RA 1020
- Steel cover, zinc-plated, non-slip, carries cars according to ATV A127 RS 1030
- Aluminium cover, non-slip, passable on feet according to DIN 1989-3 RS 1031
- Tank connection set, to connect two tanks to one unit. RS 1040
Consists of: two tank-bushings of brass and 2 m (6.5 ft.) flexible tube DN 40 (1.6 in.)
- Seepage sieve for vortex fine filter VS 0304



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