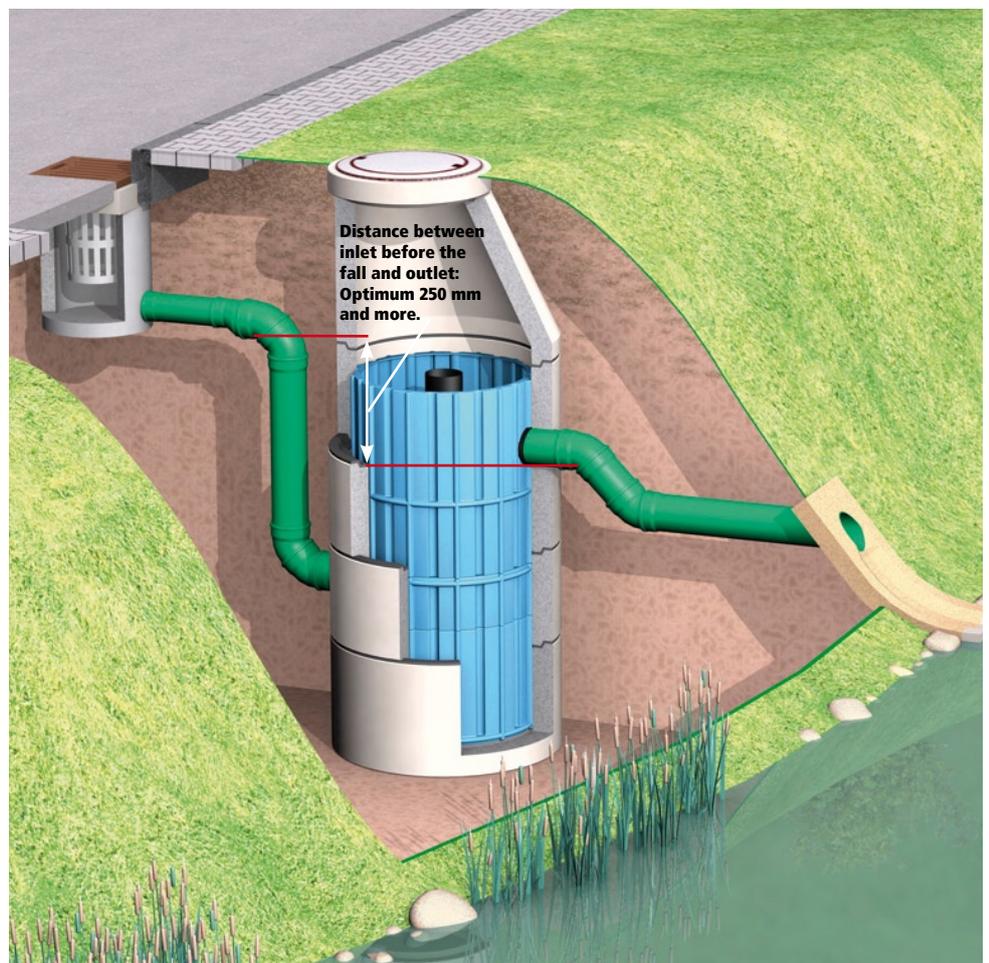


Installation of a 3P Hydrosystem 1000 in a concrete shaft according to DIN 4034-1



Please check the following before installation: The filter has to be installed with a so called „fall“. This means that the tube (inlet rainwater) is led down shortly before the shaft and can be connected as described with the lower connection. Ideally if the distance from the base of the inlet pipe to the base of the outlet should have an invert difference of 250 mm or more.



1. Excavation of the pit and support of the wall should be according to the local regulations. If in doubt consult an Engineer

Form of a horizontal bedding (between 10 and 150 cm) of sand and concrete.



2. Place the bottom section of the shaft and check it is in a horizontal position.

Adjust the opening of the inlet to the required position.



3. For placing the upper part of the shaft perfectly, we recommend to fix a mark on the upper and bottom part.



4. Put on the shaft ring with the outlet opening.

The angle between inlet and outlet must be exactly 180°.

All sections of the shaft have to be set with appropriate sealings. Consult your supplier or manufacturer.



5. Lower the PE filter shaft inside the concrete shaft.

Observe the correct location of the inlet and outlet, so that the tubes can be connected easily.



6. After installing the plastic shaft the transport lifting bar has to be removed.

To do this you have to remove both locking devices on the left and on the right and then remove the bar out of the openings.

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7. Connect the inlet pipe.

Install the bend upwards.

Close the gap between shaft and tube with a special foam or other sealing mechanism, as appropriate for your shaft type.



8. You partly have to fill in and consolidate the building pit.

We recommend covering the filter so that dirt cannot get inside the filter whilst backfilling.



9. Connect the outlet pipe. Seal up the gap between outlet pipe and shaft with a special foam or other sealing mechanism, as appropriate.



10. The T-piece (oil barrier) is set once again on the outlet pipe, please secure the T-piece with the threaded bolt.

Ensure by adjustment, at the inlet slots are located at the bottom side.



11. Begin installing the buoyancy control system exactly above the outlet, then locate the remaining three plates at quarter circle positions around the shaft. 4 angles are included in the delivery. Fasten them to the wall of the cistern with strikerplates.



12. Locate the additional bypass pipe into its correct position. After that place any shaft rings, cone and chamber covering.

Important advice!
Please note!

The 3P Hydrosystem must be protected against dirt ingress during installation.



1. There must not be any contamination above the filters. Please cover or remove the filter elements. Do not allow contaminated water and dirty water into the connected system after the installation of the filter shaft. Dispose of it professionally (pump out the shaft).

2. Take care: Should the pavement be treated on the area which has to be drained, please note that no joints or mortar droppings enter the system. This leads to an immediate blocking of the filter elements, which have to be cleaned extensively or exchanged. The costs will have to be borne by the site management.

Remove the filter elements before and dispose of the foul water (generated from flushing the surface area) with pumps. The Hydrosystem surface area shaft can be cleaned with a high pressure cleaner.

3. The sealing rings that the filter elements rest upon have to be cleaned before installing the filter elements.