

AQUAfilter

RAINWATER FILTER
General instructions

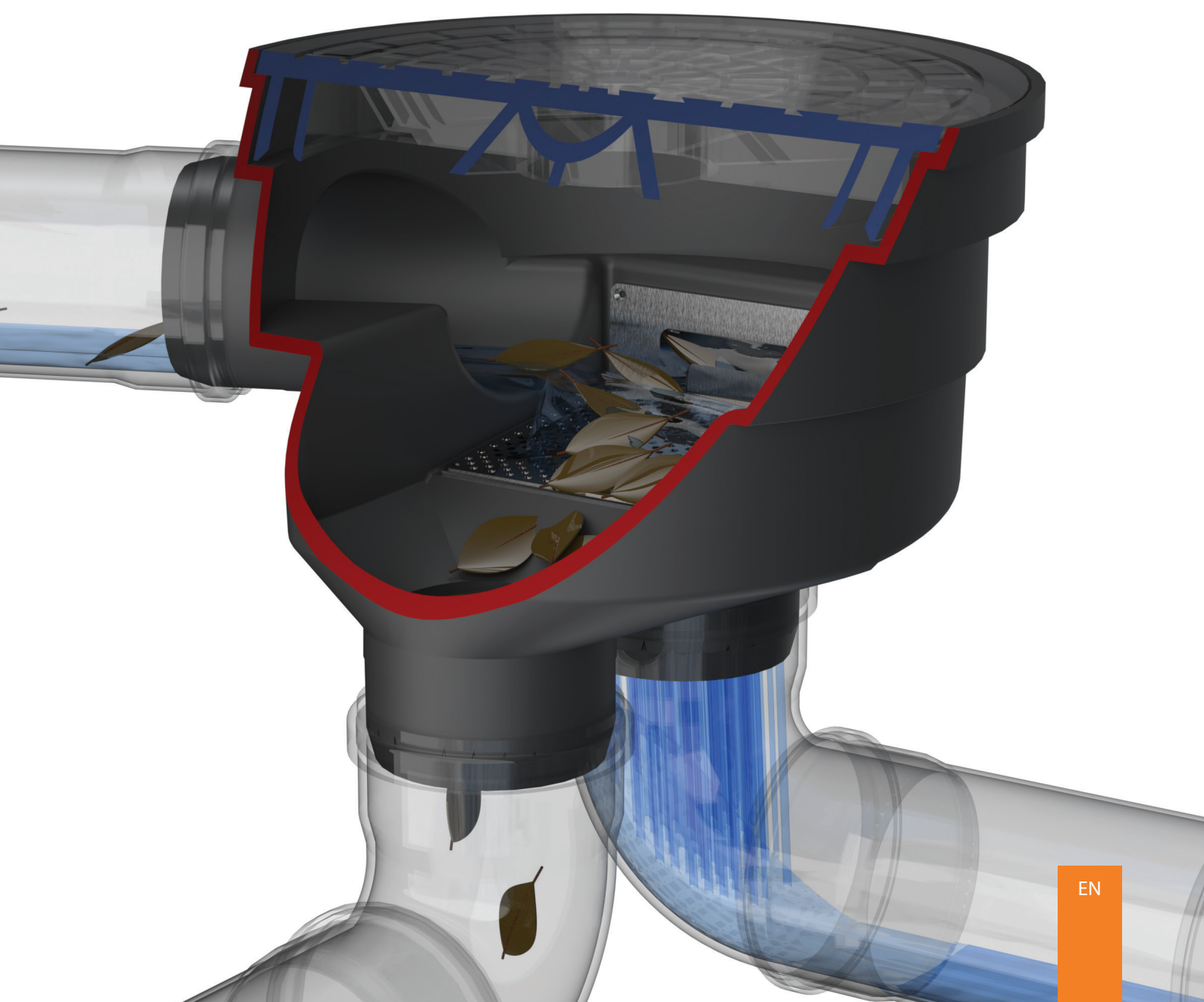




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1 Bill of materials

The filter kit includes the following components:

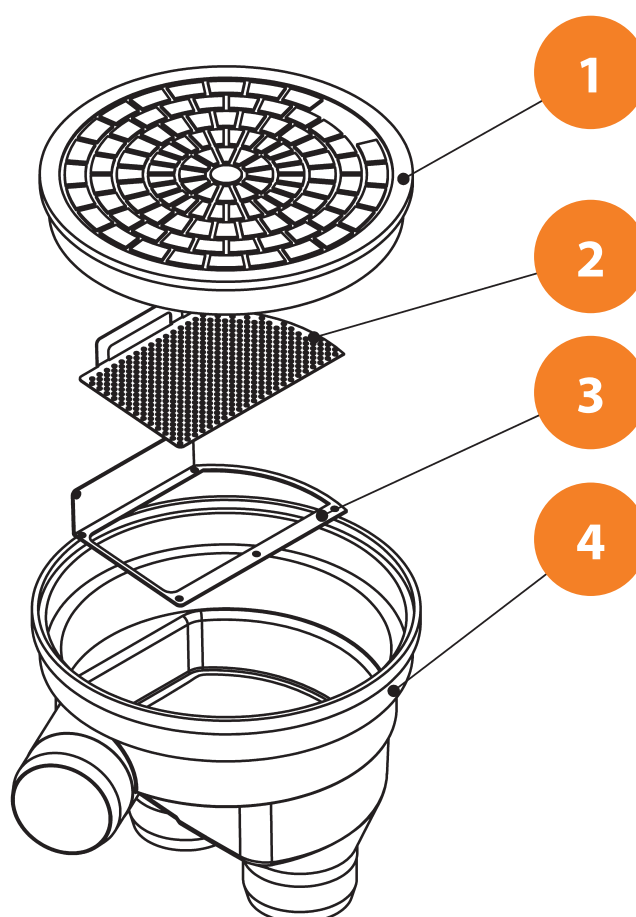


Figure 1

- 1 Cover
- 2 Filter mesh with handle
- 3 Mesh frame
- 4 Filter – collection chamber

2 Applications

The rainwater filter is intended for mechanical cleaning of rainwater from surfaces up to a maximum of 250 m². It is installed between the pipe from the DN110 groove and the water tank. With proper installation and included cover, the chamber is suitable for walking loads.

3 Dimensions

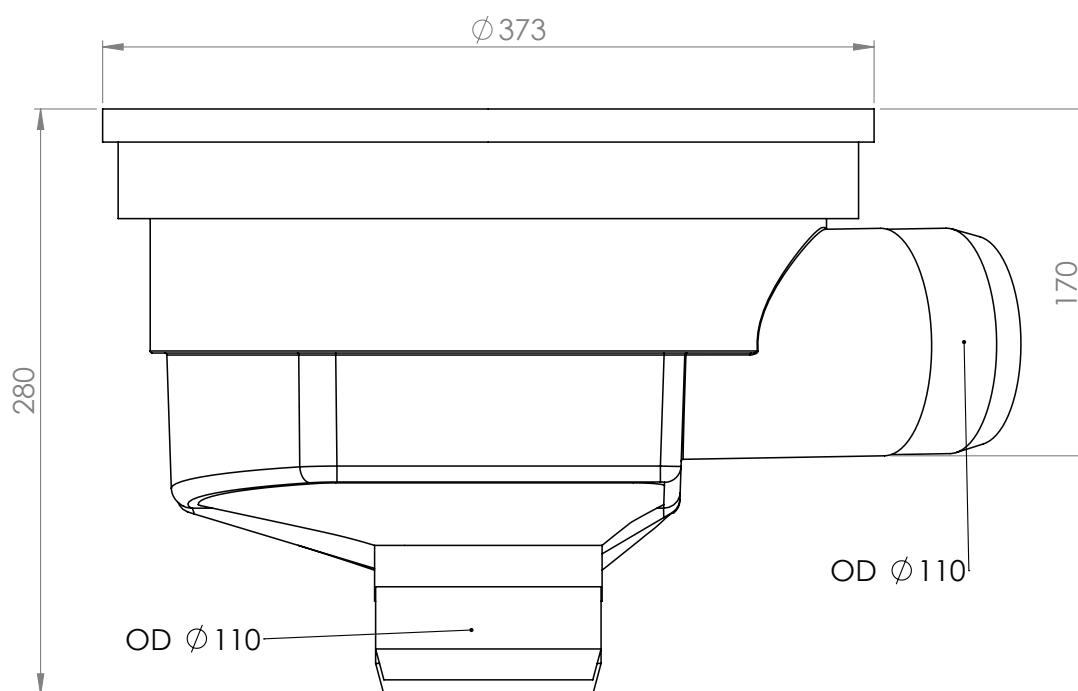


Figure 2

4 Description of operation

The filter separates coarse particles, such as leaves, grass, branches, etc., by means of a filter mesh to which water from the roof or other surface flows. Through the mesh, the purified water flows into the tank, while the remaining materials remain on the sieve and are washed into the overflow drain. It is manufactured in accordance with the DIN 1989 standard.

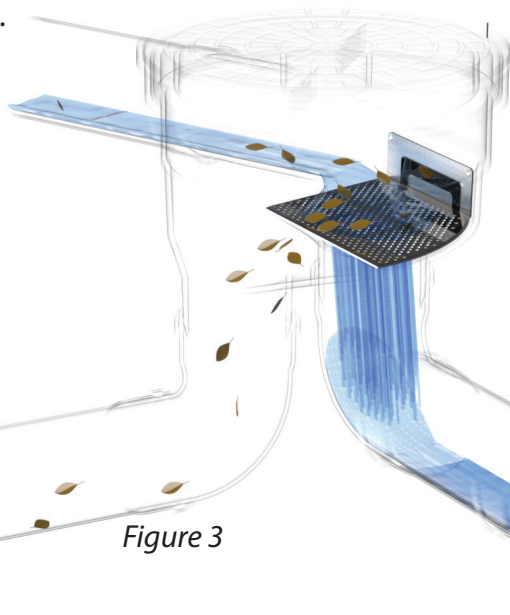


Figure 3

5 Installation

In addition to the shaft, the following elements are required for installation:

- minimum 1 x PVC sliding coupling 110,
- 2 x PVC elbow 110/90,
- optional: extension ring.

The listed components are not included in the filter package.

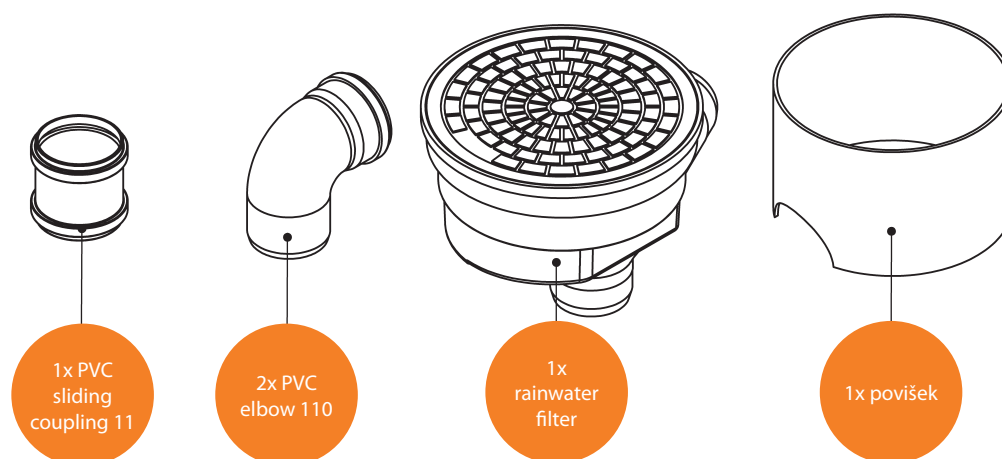


Figure 4

A suitably hardened and stable layer of backfill material with a height of at least 100 mm (Figure 5) must be provided under the filter. The backfill material should be compact and frost-resistant. Gravel 0/32 is recommended. Excavated soil must not be used as a substrate.

Before backfilling, place the chamber in the provided space, adjust it to the horizontal position (Figure 6) and connect it to the pipe system. Then, gradually backfill and harden the surface around the pipe and chamber. The last 100 mm can be backfilled with earth. Also check the filter mesh setting (make sure to use appropriate protective equipment such as work gloves, as the filter mesh may be sharp).

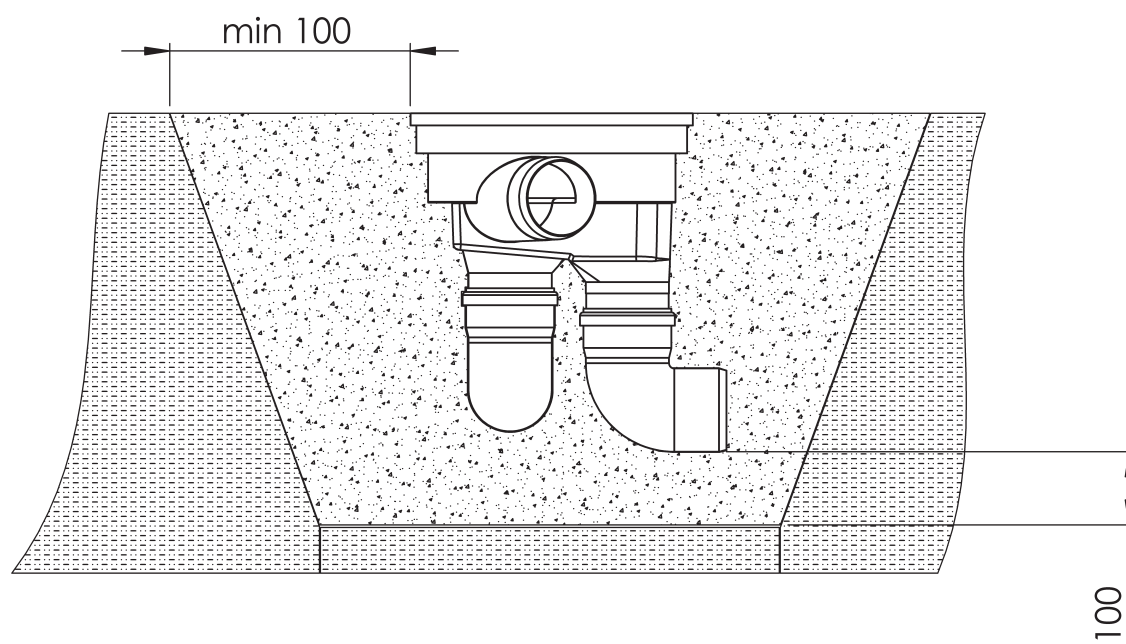


Figure 5

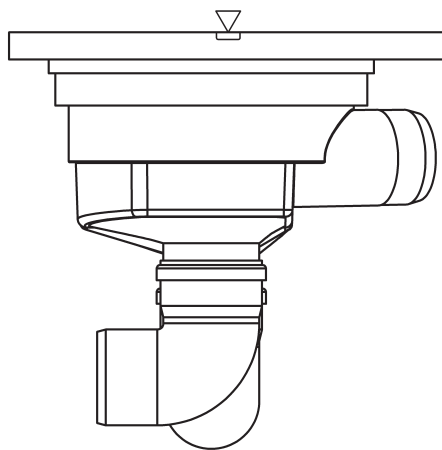


Figure 6

The filter can also be installed at a deeper depth, in which case it must be elevated using extension rings (up to a maximum height of 500 mm), as shown in Figure 7.

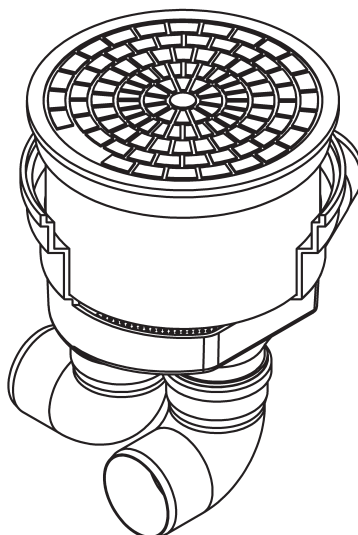


Figure 7

6 Maintenance

After the first installation, the filter must be examined several times, especially after major rainfall and during the winter. The interval of inspections also depends on the surroundings, e.g. whether there is a forest, meadow, etc. in the vicinity. When cleaning, remove the filter mesh and rinse with running water, and rinse the dried parts inside the filter with running water as well. When cleaning, make sure to use appropriate protective equipment such as work gloves, as the filter mesh may be sharp.

