

Description

Rainwater filter for larger roof areas. Filter for installation in a concrete ring (Ø 1200 mm). Normally standard concrete shafts are used. The filter can be delivered to the site yet pre-assembled in the shaft.

Two step cleaning system, gives a high level of filtering efficiency, independent of flow rate.

Due to the steep inclination of the filter cartridge the dirt is continuously cleaned away into the sewer. The connection to the sewer is installed at the shaft. The dirt falls down on the bottom of the shaft and is washed away with the next strong rainfall.

Relative connection capacity according to DIN 1986 for roof areas up to 2300 m². Because of a Bypass-Installation a bigger area can be Connected.

Inlet rainwater 2 x DN 250

Outlet into storage DN 150

Outlet into sewer DN 250

Height difference between inlet and outlet 320 mm.

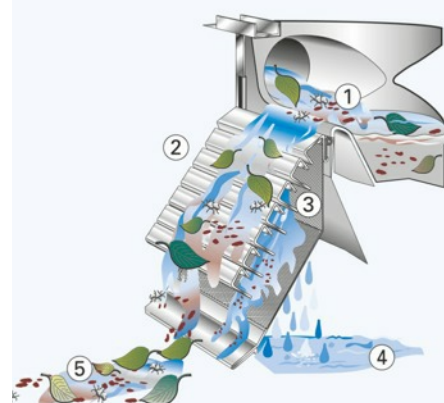
The filter has to be cleaned periodically depending on the contamination. We recommend 1-2 times per year.



How it works

1. As water arrives the level builds up and flows over tops the filter lip, so ensuring it is distributed evenly across the whole width of the filter cascade.
2. The largest dirt particles flow over the primary filter and fall to the bottom of the shaft.
3. Pre filtered water then flows over the secondary mesh filter. Due to the innovative structure of the 3P sieve mesh, any dirt is washed directly to waste which means the filter is highly self cleaning and low maintenance. Debris cannot sit on 3P Filters.
4. The cleaned water is being absorbed in the lower tank and directed through a tube DN 150 outlet.

5. Dirt goes to the sewer through the shaft.



Technical Data

Filter according to DIN 1989-2, Type C

Connection inlet: 2 x DN 250

Outlet into the storage: DN 150

Outlet into the sewer: DN 250

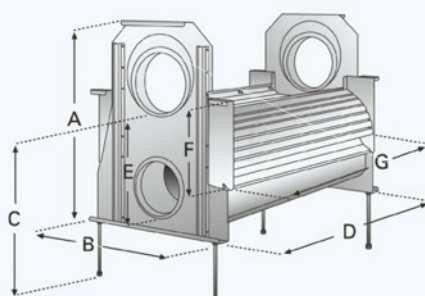
Height difference between inlet and outlet 320 mm.

Material Filter Coarse: Stainless steel 4016

Material Filter Sieve: Stainless steel 1.4301

Mesh size: 0.4 x 1 mm

Legs = Thread rods M10 with screw nut made of stainless steel, Length 250 mm

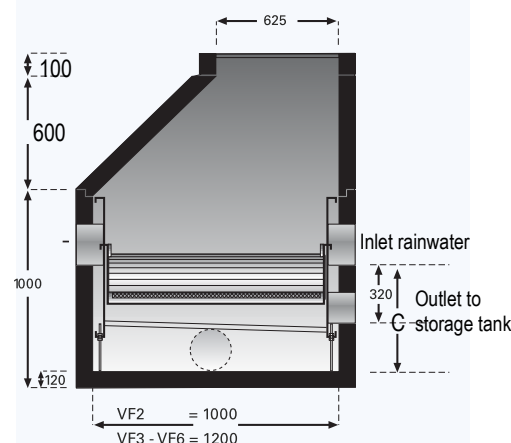


Weight: 39.5 kg D 980 mm

A 670 mm E 320 mm

B 540 mm F 275 mm

C 525 mm G 880 mm



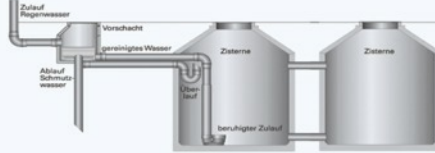
Example

Installation of a filter in a pilot shaft.



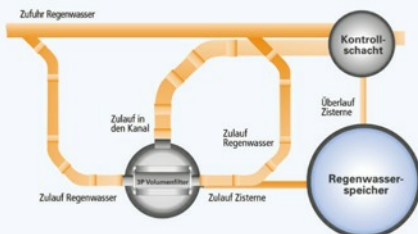
Example

Installation of the filter in front of several concrete tanks which are situated in a row.



Optimal Installation

If the size of the roof or the pipe diameters vary from the specifications/requirements, the installation can be made according to the DIN as demonstrated below.



Advice:

The filter can be supplied with only one inlet if required. Please indicate in order. The hole then will be closed with a blind.

Packing Unit:

m³-Carton: 2 piece

Pallet: 3 pieces

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