

Description

Rainwater filter for larger roof areas. Filter for installation in concrete ring (Ø 1200 mm). Normally standard concrete shafts are used. The filter can be delivered directly to site.

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 sewer connection is installed in the shaft. The dirt falls down to the bottom of the shaft and is washed away with the next strong rainfall.

Relative connection capacity for roof areas up to 1500 m².

A larger area can be connected using a bypass-installation.

Inlet rainwater 2 x DN 200

Outlet into storage DN 150

Outlet into sewer DN 200

Height difference between inlet and outlet 320 mm.

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



How it works

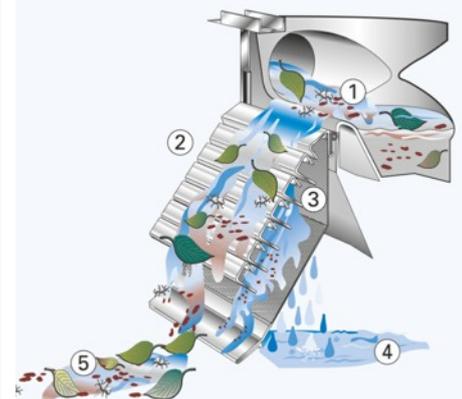
1. As water arrives the level builds up and flows evenly across the whole width of the filter cascade.

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 collected in the lower tank and flows to storage through the DN 150 outlet.

5. Dirt goes to the sewer through the sewer connection in the shaft.



Technical data

Connection inlet: 2 x DN 200

Outlet into storage: DN 150

Outlet into sewer: DN 200

Height difference between inlet and outlet 320 mm.

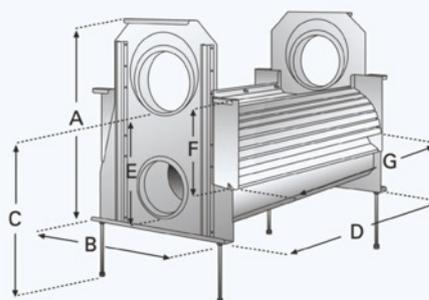
Material Filter Coarse: stainless steel 4016

Material Filter Sieve: stainless steel 1.4301

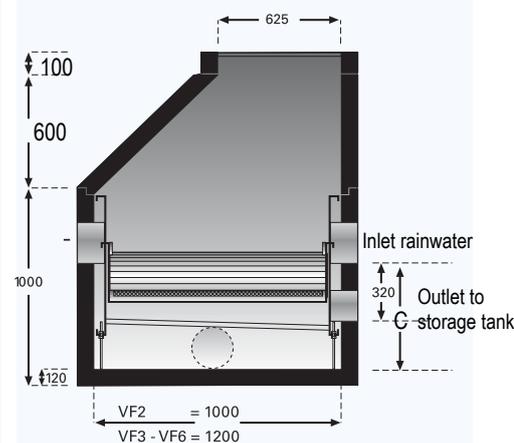
Mesh size: 0.4 x 1 mm

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

Weight: 33.2 kg



A 670 mm	E 320 mm
B 540 mm	F 275 mm
C 525 mm	G 880 mm
D 980 mm	



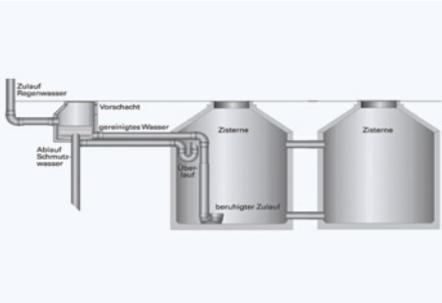
Example 1

Installation of a filter in a pilot shaft.



Example 2

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



Pos.	Quantity	Article	Price in £
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1.1		3P Volume Filter VF3	
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Filter for the installation in a concrete ring (\varnothing 1000 mm).

Inlet rainwater DN 200.

Outlet into storage DN 150.

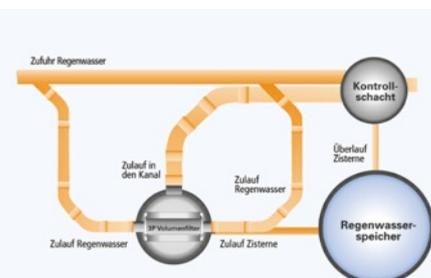
Height difference between inlet and outlet 320 mm.

Filter inserts with integrated filter sieve 0.4 x 1 mm, Material stainless steel

Connection capacity according to DIN 1986 for roof areas up to 1500 m².

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.

Advice

The 3P Volume Filter is equipped with only one filter unit. It can be converted into a VF4 by the removal of the baffle and addition of a second filter unit.

Packing unit

m³-Box: 1 piece

Pallet: 3 pieces