

## Description:

Rainwater filter for installation inside or on the rainwater tank. The 3P VF1 combi has the cleaned water outlet at the bottom of the filter and not on the lateral as the 3P VF1 Art. No. 1000500.

The filter insert can be removed easily for cleaning without the use of special tools. The filter sieve made of stainless steel must not be changed. It is cleaned with a brush and soap sud.

Connection capacity according to DIN 1986: for roof areas up to 387 m<sup>2</sup> at a rainfall intensity of 300 l/(sxha)

Height difference between inlet and outlet: 300 mm

The cleaned water can be used in washing machines, toilet flushing and garden watering.

The filter has to be cleaned depending on the contamination 1 - 2 times during the year

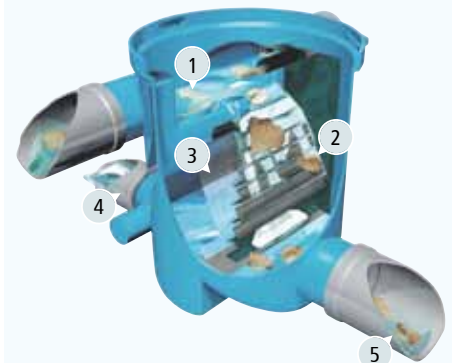


## How it works:

1. As water arrives the level builds up and is equally distributed across the cascade
2. Pre cleaning through the cascades, coarse dirt is led across the primary filter cascades directly to the sewer
3. Pre filtered water then flows over the secondary filter sieve (mesh size 0,65 mm) Due to the special mesh structure of the sieve, any dirt washes directly into the sewer which means the filter is self cleaning, with very low maintenance

4. Cleaned water flows to the storage
5. Dirt goes to the sewer

Illustration similar!  
Point 4 outlet to the bottom



## Technical Data:

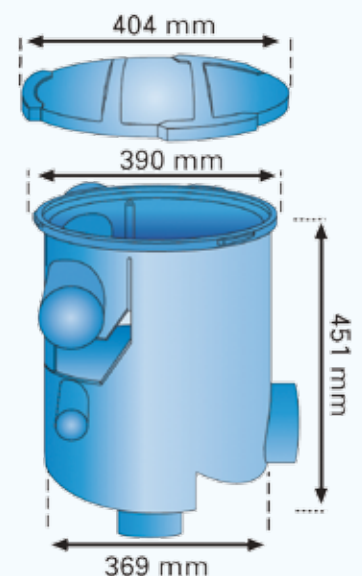
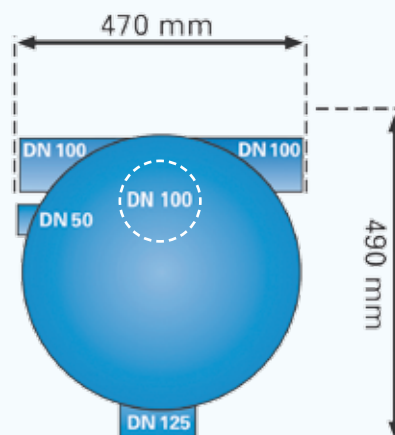
Filter according to DIN 1989-2, Typ C

Inlet rainwater: 2 x DN 100  
Outlet to storage: DN 100  
Outlet to sewer: DN 125

Height difference between rainwater inlet and outlet: 300 mm

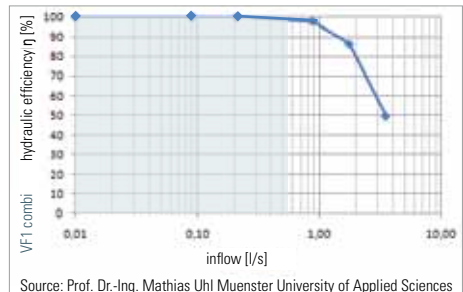
Housing material: Polyethylene  
Material filter cartridge: Stainless steel 1.4301  
Mesh size: 0,65 mm  
Material cascade insert: Polyethylene

Weight: 6,2 kg





**Example:**  
3P Volume Filter VF1 combi installed inside a shaft of a plastic tank. Special installation with Overflow Siphon mono



Source: Prof. Dr.-Ing. Mathias Uhl Muenster University of Applied Sciences

80% of the average intensity of rainfall in Germany is under 15 l/(sxha), resulting a volume flow rate of 0,58 l/s with a roof area of 387 m².

| Diameter of tube | maximum flow rate | connectable area max. 200 l/(sxha) | connectable area max. 300 l/(sxha) |
|------------------|-------------------|------------------------------------|------------------------------------|
| DN               | l/s               | m²                                 | m²                                 |
| 125              | 11,6              | 580                                | 387                                |

**Text for invitation of tenders:**

| Pos. | Quantity | Article   | Price in € |
|------|----------|---|------------|
| 1.1  | _____    | 3P Volume Filter VF1 combi<br>Filter for installation in rainwater tanks<br>Inlet rainwater: 2 x DN 100, Outlet to storage: DN 100, Outlet to sewer: DN 125<br>Height difference between rainwater inlet and outlet: 300 mm<br>Connection capacity according to DIN 1986: for roof areas up to 387 m² at a rainfall intensity of 300 l/(sxha) | _____      |
| 1.2  | _____    | 3P Telescopic extension for 3P Volume Filter VF1<br>Plastic (PE) shaft for the installation of the 3P Volume Filter VF1<br>Telescopic extension can be directly connected with the 3P Volume Filter VF1 with a bayonet fitting  | _____      |
| 1.3  | _____    | 3P Removal Handle for 3P Volume Filter VF1<br>For filter removal in deeper installations  | _____      |

**Accessory 1:**

3P Telescopic extension Art.-Nr. 1000560  
Plastic shaft for the installation directly in the ground

**Accessory 2:**

3P Removal handle Art.-Nr. 1000550  
For removal of the filter insert of the 3P Volume Filter VF1 in deeper installations



**Packing unit 3P Volume Filter VF1 combi:**  
Pallet: 16 pieces