







WaterflowControl

WFC-FS-VF1-FF

First Flush Diverter VF1

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Description

- Rainwater filter for installation in rainwater tanks and also in the ground before the tank. Two step cleaning system, therefore 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 filter is frost resistant.
- 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 m² 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.



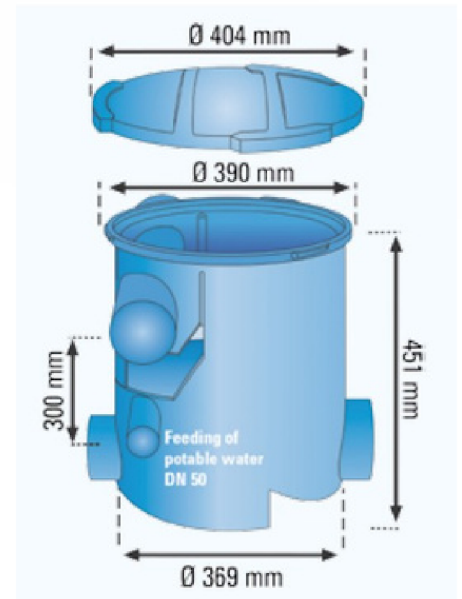
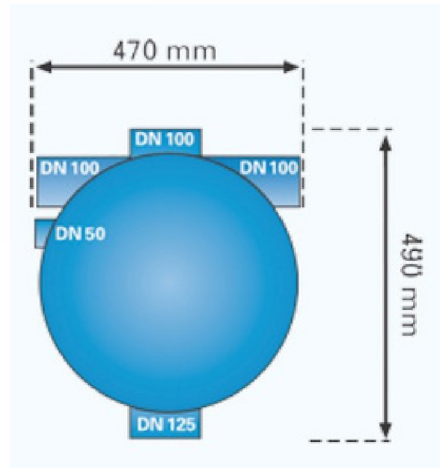
How It Works

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

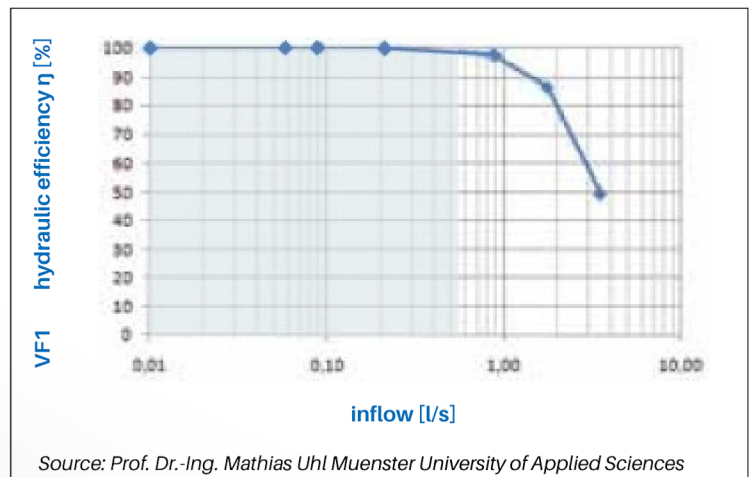


Technical Data

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 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: Installation before a concrete tank



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	m ²	m ²
125	11.6	580	387