

Description:

The smallest rainwater filter of 3P Technik for the installation in rainwater tanks made of polyethylene or concrete.

The 3P Kompakt Filter is to use where there is little room and no height difference between inlet and outlet.

Retro-fitting with 3P Backwashing Device PF + SF is possible. Inside the filter housing an opening is installed which can be used. The 3P Kompakt Filter is ideally suited for use in conjunction with a 3P Overflow Siphon Duo and the 3P Calmed Inlet.

Connection capacity according to DIN 1986: for roof areas up to 213 m²

All connections: DN 100

No height difference between inlet and outlet

Mesh size of filter cartridge: 0,7 x 1,7 mm

The cleaned water can be used in washing machines, toilet flushing and garden watering, in homes, in commerce, in public buildings and in industry.

Low maintenance, depending on the contamination several times during a year



How it works:

1. Rainwater is led onto the filter cartridge
2. The filter cartridge cleans the rainwater, the cleaned rainwater is led through the calmed inlet into the rainwater tank
3. Because of the smooth surface structure of the filter the dirt is quickly rinsed away into the sewer

Advice:

Due to the horizontal position of the filter cartridge, the filter gets dirty more rapidly than a filter cartridge with steep inclination. We therefore recommend using the 3P Backwashing Device and constant cleaning with detergent and brush in order to degrease the filter sieve (Pollen are containing much grease thus the water rolls off on the surface)



Technical Data:

Filter according to DIN 1989-2, Typ C

Inlet rainwater: DN 100
 Outlet to storage: DN 100
 Outlet to sewer: DN 100

Height difference between rainwater inlet and outlet: 0 mm

Housing material: Polyethylene
 Material filter cartridge: Stainless steel 1.4301
 Material Poly-Net: Polyethylene

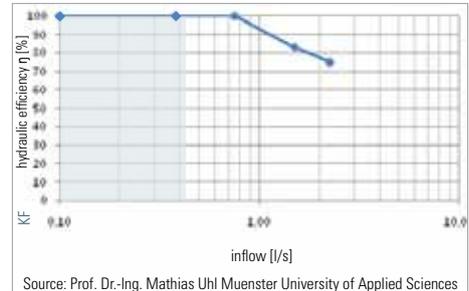
Mesh size: 0,7 x 1,7 mm

Weight: 1,4 kg



Example:

Installation in a concrete tank



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 0,32 l/s with a roof area of 213 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
100	6,4	320	213

Text for invitation of tenders:

Pos.	Quantity	Article	Price in €
1.1	_____	3P Kompakt Filter Rainwater filter for the installation in rainwater tanks, without height difference between inlet and outlet Inlet rainwater: DN 100, Outlet to sewer: DN 100, Outlet to storage: DN 100 Filter cartridge: made of stainless steel, Mesh size: 0,7 x 1,7 mm Integrated backwashing device possible Connection capacity according to DIN 1986: for roof areas up to 213 m ² at a rainfall intensity of 300l/(sxha)	_____

Accessory 1:

3P Backwashing Device PF + SF
Art.-Nr. 1000355
consisting of: 10 m of PE hole 16 mm with connection fittings and the 3P Backwashing Device, retro-installation possible



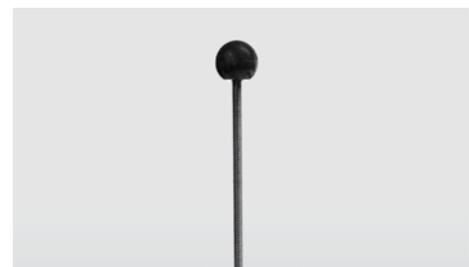
Accessory 2:

3P Automatic Backwashing Device
Art.-Nr. 1000356
consisting of: 3P Backwashing Device, Profi Connection Set and Programmable Timing Device



Accessory 3:

3P Removal Handle Art.-Nr. 1000550
For filter removal in deeper installations
Length: 50 cm



Packing unit 3P Kompakt Filter:

m³-Carton: 20 pieces
Pallette: 40 pieces