

**Description:**

Rainwater filter for bigger roof areas.  
 The Twin Filter can be installed in a pilot shaft or in frost-protected regions directly on the wall. Normally standard concrete shafts are used (Ø 1000 mm). The filter can be delivered to the site pre-installed in the shaft.  
 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 cleaned water is collected in a tank and directed into the storage.

Connection capacity for roof areas up to 700 m<sup>2</sup>.  
 Because of a Bypass-Installation a bigger area can be connected.

Max. Flow Rate Sieve insert 3,0/sec  
 = 10,8 m<sup>3</sup> cleaned water per hour.

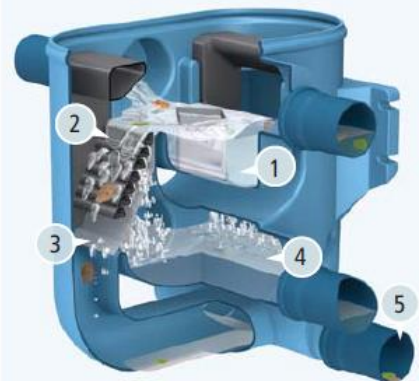
Rainwater inlet: 2 x DN 110/ DN 150  
 Tank inlet: 2 x DN 110/ DN 150  
 Outlet into sewer: 2 x DN 110/ DN 150

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 two cascades.
2. Pre cleaning through the cascades. Largest dirt particles are 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.
4. The cleaned water is being absorbed in the middle tank and directed through one or the two connections into the storage.
5. Dirt goes to the sewer through the shaft.



**Technical Data:**

Rainwater inlet: 2 x DN 110/ DN 150  
 Tank inlet: 2 x DN 110/ DN 150  
 Outlet into sewer: 2 x DN 110/ DN 150

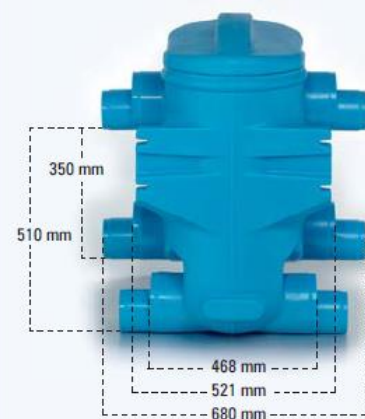
Height difference between inlet and  
 a. outlet into the storage: 350 mm  
 b. outlet into the sewer: 510 mm

Housing and cascade material: Polyethylen

Filter cartridge: Stainless steel 1.4301

Mesh size: 0,65 mm

Weight: 16 kg



**Example 1:**

3P Twin Filter installed in a concrete shaft.



**Text for invitation of tenders:**

Pos.	Quantity	Article	Price in €
1.1	_____	<p>3P Twinfilter Filter made of Polyethylen for the installation in a pilot shaft (Ø 1000 mm). Inlet rainwater optional 1 or 2 x DN 110/ DN 150. Outlet into storage optional 1 or 2 x DN 110/ DN 150. Outlet into sewer optional 1 or 2 x DN 110/ DN 150. Height difference between inlet rainwater and outlet into storage 350 mm. Height difference between inlet rainwater and outlet into sewer 510 mm. Filter insert with integrated fine filter 0,65 mm, material sieve netting: stainless steel Connection capacity according to DIN 1986 for roof areas up to 850 m<sup>2</sup>.</p>	_____
1.2	_____	<p>Concrete shaft for 3P Twin Filter including installation of 3P Twin Filter. Inner diameter 1000 mm, Height 75 cm, Cone Ø 100/60-60h with Goebel lid resilient up to 5t. Shaft has to be equipped with Forsheda Seals corresponding to the connections.</p>	_____