



### 3P Twin Filter

Without bracket No. 1000650

With wall bracket No. 1000650BR



Available in Black only

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### Installation Instructions 3P Twin Filter

The connected area is a function of the local rainfall intensity and amounts for each country/area.

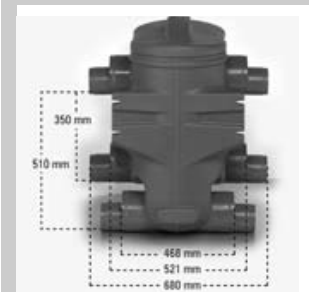
The 3P Twin Filter can be installed below ground in a chamber or above ground in frost-free regions mounted on a wall.

#### Connections

Rainwater supply  
2 x DN110/DN150

Rainwater reservoir supply  
2 x DN110/DN150

Dirty water connection  
2 x DN110/DN150



### Cleaning and Maintenance

#### Cleaning:

Spray the inside of the filter with water, clean the sump. Remove the filter inserts and rinse with water.

High-pressure cleaners may also be used with care.



Afterwards unscrew the filter mesh with an allen key (hex key).

To degrease the mesh fabric (pollen, heating oils etc) the mesh can be thoroughly cleaned using a mild detergent and a brush.



Rinse well, re-insert the mesh with allen key. Replace the cascade inserts into the filter housing.

Push down fully until refusal.

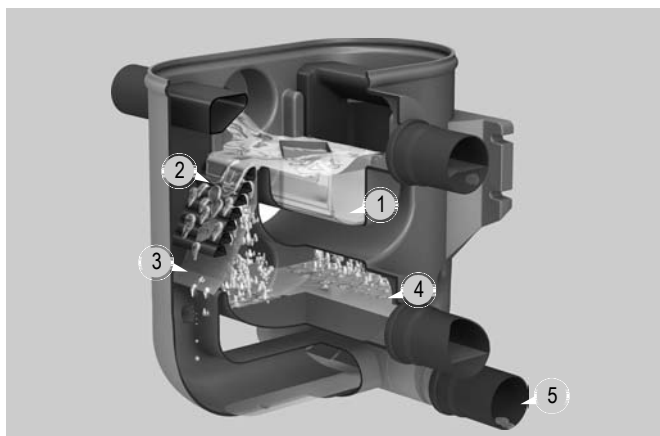
#### Maintenance Frequency

In the first year, check the filter every three months or so to obtain an idea of the degree of contamination.

Subsequently clean as required, at least twice a year is recommended.

### IMPORTANT INFORMATION

**The filter unit must be installed horizontally in order to function correctly.** If the filter is tilted to the sides or to the front/back, water will not pass evenly over both filters equally.



The 3P Twin Filter can be installed in an underground chamber or outside in frost-free regions directly on a wall.

Due to its 2-stage cleaning principle, it has a high degree of efficiency independent of the volume of flow.

The filtered-out dirt is continuously flushed to waste due to the steep inclination of the filter inserts.

The clean water is collected in a sump and directed to the storage reservoir.

### Functioning principles

1. Incoming rainwater is collected in the Inlet Sump and evenly directed over both sides via the cascades = weir over principle.
2. Pre-cleaning over the cascade slats. Coarse dirt is directed straight to the waste system over the cascades.
3. Pre-cleaned water is then guided to the filter mesh screens (mesh size is 0.65mm). The dirt passes to waste via the bottom connections off the special woven mesh structure and the steep inclination of the mesh.
4. The cleaned water is collected in the central sump and directed to the rainwater storage tank via one or both Connections.
5. The filtered-out dirt is flushed to waste via the shaft or pipe outlet.
6. The outlet to waste must be at least as big as the inlet.

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### Position of the connections

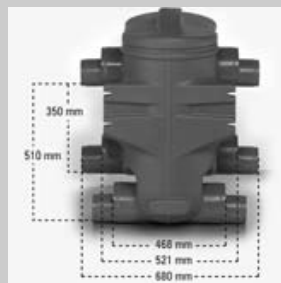


#### Rainwater supply connection to Reservoir connection:

Height difference: 350mm (directly underneath one another)

#### Rainwater supply connection to Waste connection:

Height difference: 510mm (offset by 160mm)



Connections for above and below ground installation can be optionally DN110 or DN150 and either on one or both sides.

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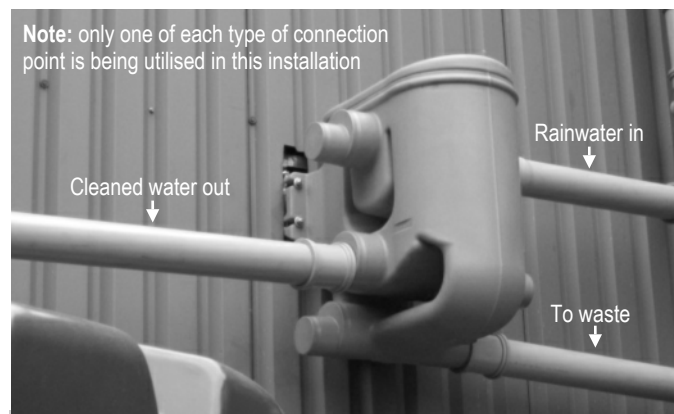
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### Installation general instructions

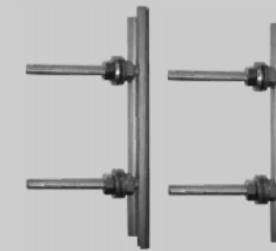
Select the required openings for the supply and drain lines. In doing so, observe the following points:

1. Determine the diameters of the connected pipework, check twice and then saw off the appropriate blank ends.
2. When installing the pipes, pay attention to the height differences and position of the connections, see panel on opposite page. At least a 2m "flat" pipe run is recommended to the inlet.
3. The filter MUST be installed horizontally to ensure perfect functioning.

Note: only one of each type of connection point is being utilised in this installation



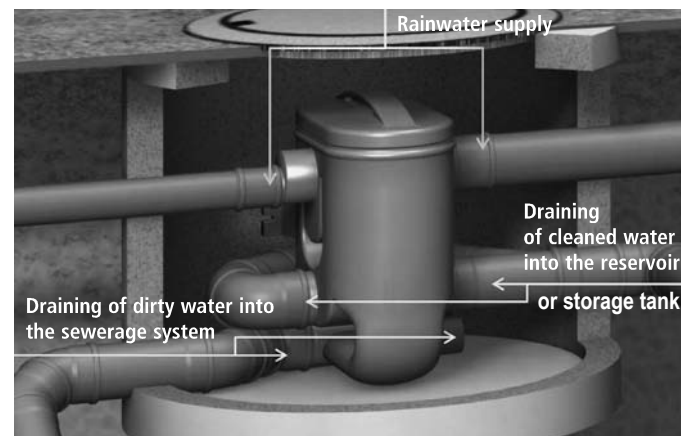
### Installation above ground



Wall mounting brackets item no 1000655

The wall mounting brackets for the Twin Filter (item no 1000655) are strongly recommended for wall installation. The stainless steel brackets are fastened to the wall at the desired height and can be used for fine adjustments.

Push the filter rear side first into the recesses provided and fix using the supplied washers and nuts. Adjust the brackets to **ensure filter sits horizontally** for optimal functioning.



### Installation below ground

DO NOT install directly in the ground. Standard concrete shafts with a diameter of 1000mm can be used. Seal off the openings in the concrete shaft either with seals or wall foam or concrete. Pay particular attention to soil compression around the pipes to ensure no ground settlement. The Filter Inserts must be easy to remove and re-install.