

Instructions

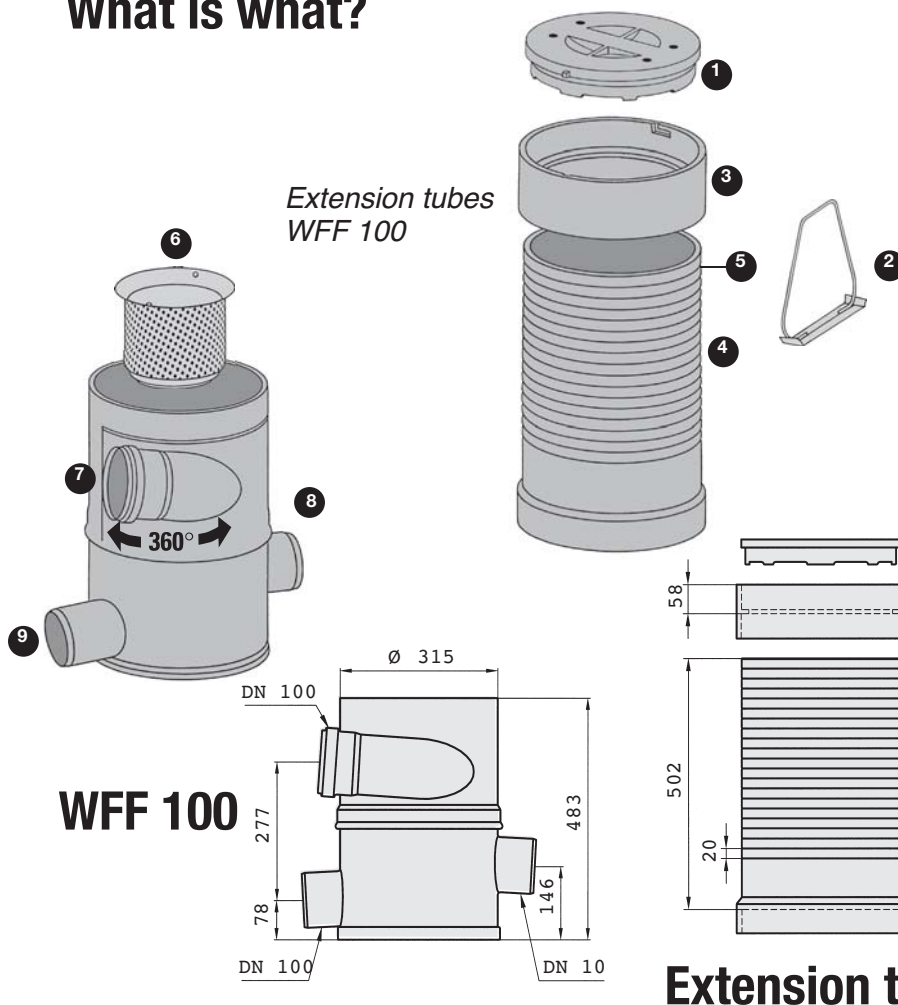
for the installing of the WISY Vortex Fine Filter

WFF 100 for roof areas of up to 200 m² (2,153 sq.ft.)

Area of application

The WISY Vortex Fine Filter, subsequently named WFF, for installation in horizontal rainwaterpipes below ground or inside buildings. It filters the rainwater from the roof which is then led into a storage tank. The best roof areas are pitched roofs of slate, clay tiles or concrete tiles. Planted roof areas are only sometimes suitable because of their low rainwater output. Roofs of bitumen felt also cannot be recommended. Unsealed asbestos-cement roofs are not suitable. The fibres washed out of these roof coverings clog the fine filter mesh.

What is what?



- 1 **Housing cover**
with ventilation holes
 - 2 **Lifting handle**
(standard length 30 cm)
of stainless steel
 - 3 **Final ring**
to support cover
 - 4 **Extension tube**
 - 5 **Parallel cutting lines**
 - 6 **Filter insert**
of stainless steel,
- for fine filtering, mesh
size 0,28 mm (basic
version)
- for coarse filtering,
mesh size 0,44 mm
 - 7 **Rainwater inlet**
with bush and seal
 - 8 **Clean water outlet**
 - 9 **Rinsing water outlet**
- Housing, housing cover and extension tube are made of polypropylene.

DN= Nominal, internal diameter of a tube

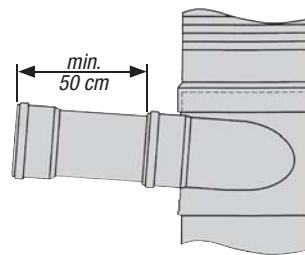
Extension tube

Hints for the installation

- Installation and connection sizes can be seen in the illustrations. The possible installation of an extension tube to raise the inspection opening is to be taken into account.
- The necessary depth will be reached in most cases with the extension tube contained in the basic version.
- Before installing in existing pipework it is to be checked whether a height difference between the rainwater inlet tube and the drain connection of 27mm for the **WFF 100**

- The difference in height between the rainwater inlet tube and the tube to the storage tank with the **WFF100** 21 cm.

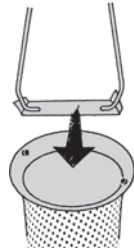
- The necessary depths of incoming and outgoing tube are to be determined in case of a new planing. A „**Settling length**“ of at least 50 cm is to be planned for this in front of the rainwater inlet.



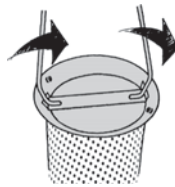
- The nominal size of the drain pipe may not be less than the nominal size of the rainwater inlet pipe, so that there is no restriction in the WFF cross-section.
- If the installation conditions cannot be achieved, the WFF cannot be installed. In this case we recommend the WISY standpipe filter collector for installing into the rainwater downpipe.
- To ensure that the WFF can carry vehicles of up to 30 t (according to ATV test) an appropriately compacted subsoil or concrete slab is required.
- Remove the transport packing cardboard from inside the housing.
- Carry out the excavation.
- Insert the WFF and make the tube connections. Turn the rainwater inlet connection to the required position for this.
The WFF must be installed exactly vertical (use a water level).
If necessary, insert an extension tube up to ground level and screw it on.
- The inspection opening can be adjusted to ground level by cutting along the saw slits of the extension tube with the help of an electrical pad saw or by hand with a metal saw.
- The use of the WISY final ring is important for a reliable and safe putting on of the housing cover. The final ring is placed either on the filter housing or on the extension tube, if this is in use. The final ring has to be screwed also with three screws.
- For larger depths, up to two further extension tubes can be assembled (accessories).

Cleaning the filter insert

- Remove the filter insert with the provided lifting handle (standard length 30 cm).



*Set down the
lifting handle ...*



*... turn clockwise
under the lugs ...*



... and remove

- We recommend cleaning every quarter. Cleaning at shorter intervals may be necessary in unfavourable cases; in favourable cases after six months, but then clean the filter insert in any case.
- After cleaning the filter insert make sure to remove the lifting handle and store it safely outside the filter. Otherwise the handle will reduce the effectivity of the waterflow.

Experience has shown that cleaning in a dishwasher is always successful, provided the filter insert is placed in the same position in the dishwasher as it is in the WFF. Cleaning by hand is also possible with a small brush, hot water and a normal dishwashing liquid. For tenacious soiling of the filter mesh (e.g. through industrial pollution in the neighbourhood) the use of a high pressure cleaner will lead to success!