wisy®.de
Rainwater harvesting
The complete System

Clean rainwater for domestic and industrial use

Vortex Fine Filters

with unique, reliable dirt separation system

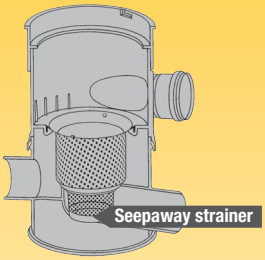
- **A unique design of rainwater collection system with integral fine filtration and automatic dirt release**
- **For installation in horizontal rainwater pipes below ground, in utility rooms or outdoors**
- **Rugged construction with vehicle duty capacity**
- **High water-collection efficiency**
- **Easy access to inspection opening for removal of filter insert**
- **Completely safe drainage design according to DIN EN 752 and 12056. Conforms to DIN 1989.**
- **Low maintenance, filter is nearly self-cleaning**

- The unique WISY fine filtration system delivers extremely clean rainwater. The fine filtration action protects sensitive system components like the pump and valves, making them durable and reliable.
- The rainwater from the roof flows through a horizontal rainwater pipe into the inlet connection on the side of the WFF and is widely distributed over the cylinder-shaped filter mesh. The rainwater is drawn through the vertical mesh walls of the fine filter by adhesion and then fed through the outlet to the storage tank. Using this principle, it is possible to harvest over 90% of the rainwater collected from the roof, while the remaining water automatically rinses dirt particles away into the storm drain.
- An extension tube to raise the inspection opening to ground level can be ordered as an optional accessory for the WFF 100 and WFF 150 units.

The WFF 100 and the WFF 150

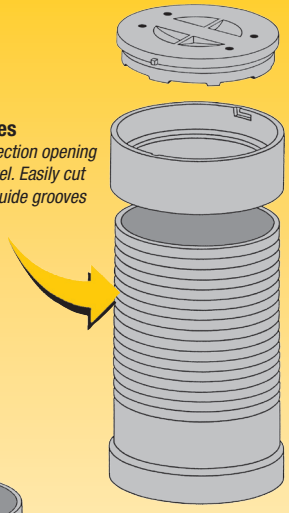
For roof areas up to 200 m² / 500 m²

When the rinsing water is discharged to a seepaway system instead of a storm drain, a seepaway strainer designed

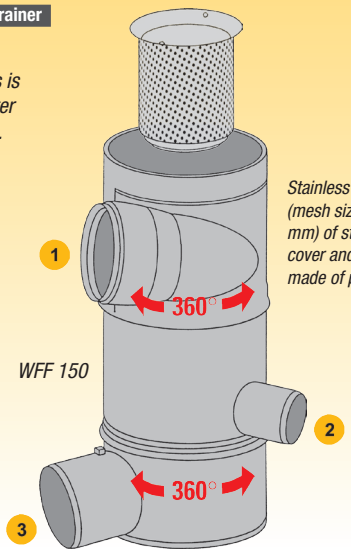


to trap coarse dirt particles is suspended beneath the filter insert (WFF 150, WFF 100).

Extension tubes
To raise the inspection opening to the ground level. Easily cut to length along guide grooves on tube surface

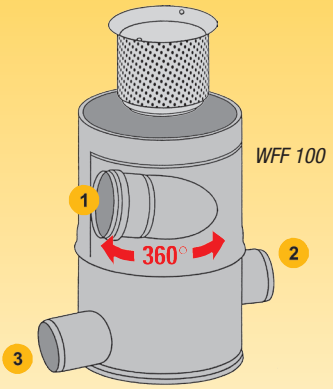


Lifting handle for the filter insert is supplied as standard



WFF 150

Stainless steel filter inserts (mesh size 0.28 mm or 0.44 mm) of stainless-steel. Housing, cover and extension tube are made of polypropylene (PP).

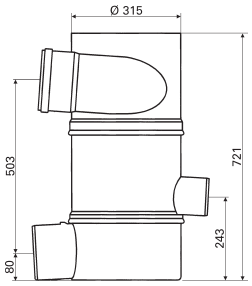


WFF 100

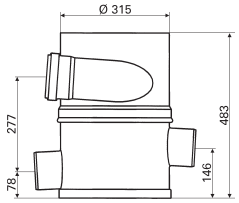
1 Rainwater inlet from the roof
2 Filtered water outlet to the storage tank
3 Outlet for releasing dirt and rinsing water into storm drain or seepaway system

Max. water inflow rate with connecting tubes installed at a gradient of 1% and a max. tube fill level of 0.7:	
WFF 100	4.2 l/s
WFF 150	12.8 l/s
WFF 300	80.6 l/s

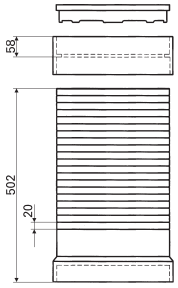
WFF 150



WFF 100



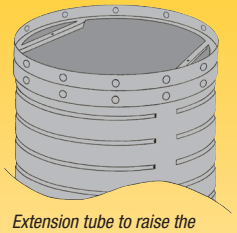
Extension tube
For WFF 100 / 150



The WFF 300

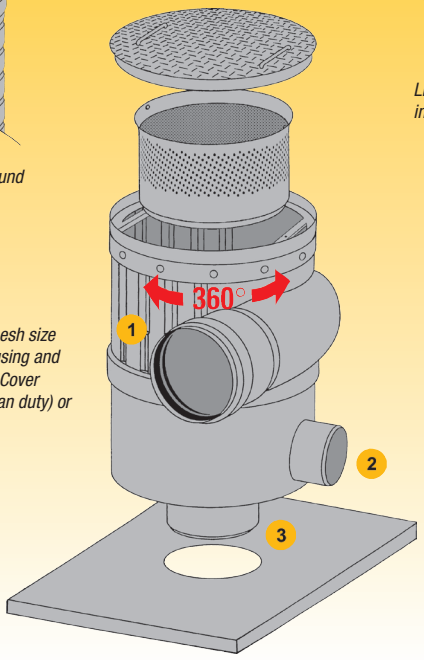
For roof areas of up to 3000 m²

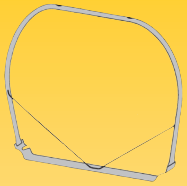
- *Ideal for large roof areas, commercial and public buildings, schools and sport centres*
- *90% Filtration Capacity at 16 Liters per Second incoming Rainwater*
- *Can also be used for mechanical cleaning of processing water*
- *Extension tube of up to 1.45 m in length available for inspection opening*



Extension tube to raise the inspection opening up to ground level.

Stainless steel filter insert (mesh size 0.38 mm), polypropylene housing and polyethylene extension tube. Cover made of aluminium (pedestrian duty) or stainless steel (vehicle duty)

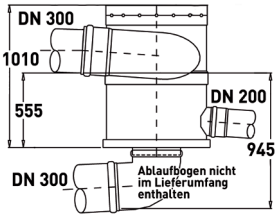


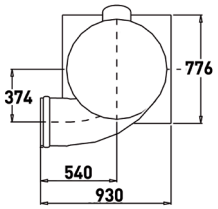


Lifting handle for the filter insert is supplied as standard

1 Rainwater inlet from the roof
2 Filtered water outlet to the storage tank
3 Rinsing water outlet to wash out dirt

WFF 300





The WFF 300 can be delivered in reduced Height. The distance between incoming and outgoing Pipe is 145 mm less. Only 800 mm compared to 945 mm in the Standard Version

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