



PRODUCT CATALOGUE

Filtration | Building Services | Rainwater

Edition 26

4-STAGE RAINWATER CLEANSING PRINCIPLE
Harvesting rainwater reduces mains
water consumption by:

50 % !

STAGE 1
Vortex Finefilter p. 12



STAGE 4
Overflow siphon p. 52



STAGE 2
Smoothing inlet p. 53



STAGE 3
Floating Fine
suction filter p. 38



 **made**
 **in**
 **Germany**

Bird's eye view of the production plant in Hitzkirchen.



The production shop floor for rainwater filters in Hitzkirchen.



Assembly line for rainwater units.



The founder of the WISY AG Norbert Winkler, ca. 1962. Instead of Nuclear Weapons: Bread for the world



emissions. Separating stations for the connection of process water to the public drinking water network are also part of our range of products. In the use

of of rainwater, we are the technological leading. We offer the complete system for filtering and storage in four purification stages, as well as all components for pumping and ensuring an uninterrupted water supply.

WISY-quality - Made in Germany.

WHO WE ARE

WISY AG has its company headquarters in the Hessian nature recreation area of Vogelsberg. In 1989 Norbert Winkler developed here the first filter collector. This was the beginning of the production of low-maintenance filters with vertical filter mesh.

Today, they are used worldwide in production processes as well as in modern rainwater harvesting systems.

WISY's energy-saving automatic switchgear for water pumps set a new standard for energy consumption in standby mode and can thus contribute to a considerable saving of CO₂

EXAMPLES OF OUR REFERENCE PROJECTS



*A rainwater harvesting system has been installed at **IKEA's premises in Rothenburg** (near Lucerne, Switzerland). The harvested rainwater is used not only to flush toilets, but can also be extracted from taps at various locations in order to irrigate outdoor areas. Collected from around one third of the roof area, the rainwater is piped to three WFF 300 vortex finefilters, cleansed and then stored underground ready for use.*



*Six pressure-tight WISY vortex filters 300 made of stainless steel filter the rainwater falling on the roof surfaces of the new **Google headquarters in Manhattan**. The former Railway station is converted into a 12 storey office building. The height is about 70 meters. The harvested Rainwater is used to maintain the greenery and for Air conditioning.*

Rendering by Cookfox Architects

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WFF 100
for pipe diameter DN 110

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LINEAR 100
for pipe diameter DN 110

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Industry and Apartment houses

WFF 150
for pipe diameter DN 160

Page 13



WFF 300
for pipe diameter DN 300

Page 16



The roof area that can be connected to a rainwater harvesting system depends on the precipitation rate in the local area. The precipitation values in the tropics, for example, can differ significantly from those in temperate climate zones. The diameter of the drainage pipes specified by the planner is crucial.

Family Homes

STANDPIPE FILTER COLLECTOR STFS

for pipe diameter DN 76 to 110 mm

Seite 8



RAINCOLLECTOR RS

for pipe diameter 102 to 110 mm

Page 44



FILTER COLLECTOR FS

for pipe diameter 76 to 110 mm

Page 6



RainCatcher RC

for pipe diameter 102 to 110 mm

Page 45



GARDEN RAINWATER COLLECTOR

for pipe diameter 76 to 110 mm

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Garden Irrigation

The WISY filter systems installed in a downpipe, underground or in the tank are an integral component of rainwater harvesting systems.

As a general rule, the roof drain is installed as a „gravity drain system“. The rainwater flows towards the storm drain or soakaway system through gutters, downspouts/downpipes, collecting and underground pipes. It is therefore important to ensure that the cross section of piping in the flow direction of the water is not restricted.

underground pipe guarantee that water can drain safely away from the roof areas of the building.

At the same time, the drainage pipes and the installed filter systems must be dimensioned to handle the flow rates (or „volumetric flow“) of drainage water from the connected roof areas.

The WISY filter systems installed in the downspout/downpipe or

Maximum capacity of filters

Table indicating the drainage capacity of collecting and underground pipes (in which WISY filter systems are installed) in accordance with EN 12056

DN 110 Filter collector FS/STFS, WFF 100, LineAr 100, garden rainwater collector, RainCollector RS	4.2 l/s
DN 160 (WFF 150)	12.8 l/s
DN 300 (WFF 300)	80.6 l/s

For horizontal pipes: The max. flowrates apply at a gradient of 1% slope of the connection pipes and a max. pipe filling level of 70 %.

Using the drainage capacity of collecting and underground pipes as a basis, it is also possible to calculate the max. roof area which can be connected to the system.

Important: Special installation measures must be taken when WISY filters are installed in pressure drainage systems. Please contact our technical support for further advice!

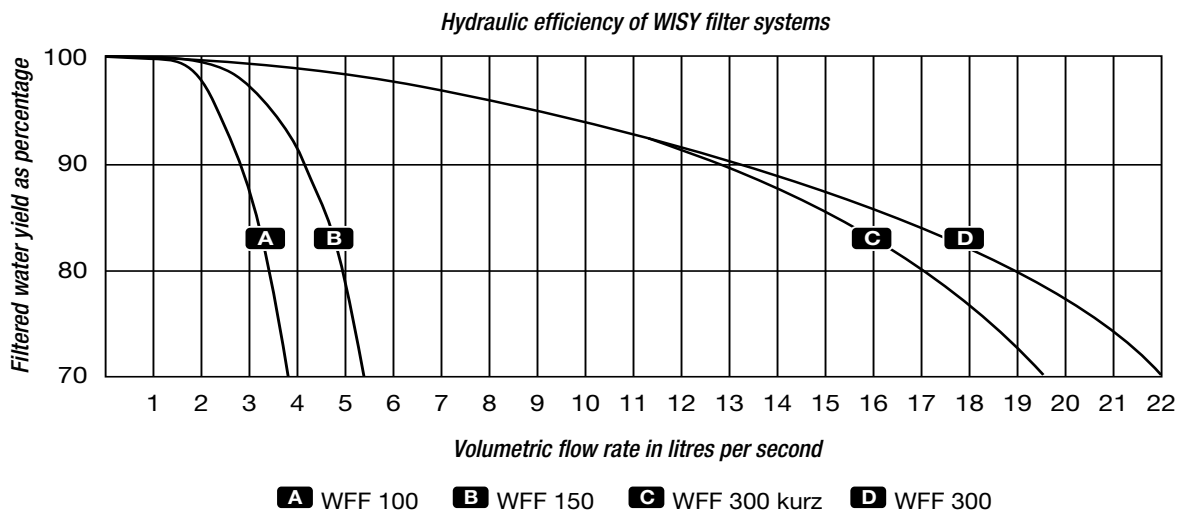
Efficiency of WISY filter systems

According to WISY's own research, the average efficiency (or „hydraulic efficiency“) of WISY's filter systems is over 0.9 or 90%, i.e. more than 90% of the water flowing into the filter from the roof is filtered before it flows into the storage tank. The remaining water passes into the storm drain or soakaway system with any dirt particles separated out during the cleansing process.

The majority of individual rainfall events fill the drainage pipes to less than 0.3 or 30%.

Example: A building with a projected roof area of 500 m² (5382 sq. ft.) for which a WFF 150 is installed. The volumetric flow of water into the WFF is 2.78 l/s during a rain shower of average intensity, i.e. 5 mm/m² in 15 minutes (the same as 5 litres/m² in 15 minutes). In the chart below, this flow rate corresponds to a hydraulic efficiency of over 95%.

The specified level of hydraulic efficiency refers to around 99% of all rainfall events in Germany and Central Europe. The filter efficiency is lower (around 40-60%) owing to the increased volumetric flow of water in only about 1% of rainfall events.



RAINCOLLECTOR RS

- complies with DIN EN 1989
- Clean rainwater for home and garden
- Integrated filter element with 0.28 mm mesh size
- Effective separation of dirt particles
- For installation in vertical downspout/downpipe
- 5-year guarantee
- Easily accessible filter insert
- Low maintenance
- High oxygen enrichment



The RainCollector RS is installed in the vertical rainwater downpipe. It filters the runoff rainwater from the roof before discharging the filtered water to a storage tank. Its filter insert is made of a fine stainless-steel mesh with a mesh size of only 0.28 mm. Leaves, moss and other debris entrained in the rainwater are reliably filtered out and flushed away to the soakaway or drain. The filter element is made entirely of stainless steel. Inspection is recommended 2 times per year. When necessary it is easiest to clean the filter insert in a dishwasher. For round downpipes with 102 or 110 mm outer diameter. 5-year guarantee. Guarantees safe drainage in accordance with DIN.



Height of the RainCollector RS: 34 cm

GARDEN



RainCollector RS

Item No.

- ▶ For round downpipes with outer diameter of 100-102 mm or circumference of 314-320 mm.

white KF 4510
grey KF 4511
brown KF 4512

- ▶ For round downpipes with outer diameter of 103-105 mm or circumference of 323-330 mm.

white KF 4550
grey KF 4551
brown KF 4552

- ▶ For round downpipes with outer diameter of 108-111 mm or circumference of 339-349 mm.

white KF 4500
grey KF 4501
brown KF 4502

Accessories, see next page: RainCatcher RC

Example application:

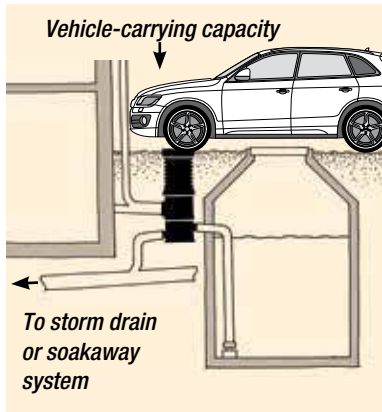
The RainCollector RS installed in a rainwater downpipe and connected to a 500 litre Stabilix rainwater barrel by a WISY connecting hose

VORTEX FINEFILTER WFF 100

- Drainage safety according to DIN
- For rainwater or process water
- With extension tube and cover
- Self-cleaning capability reduces maintenance

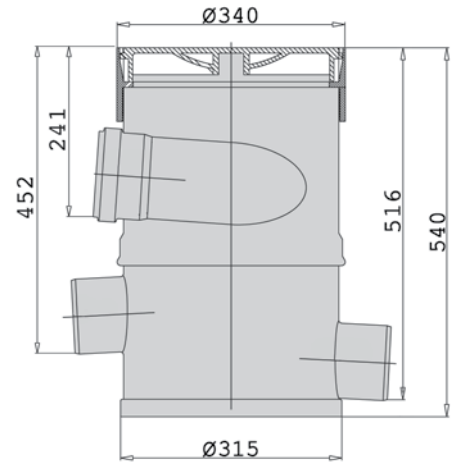
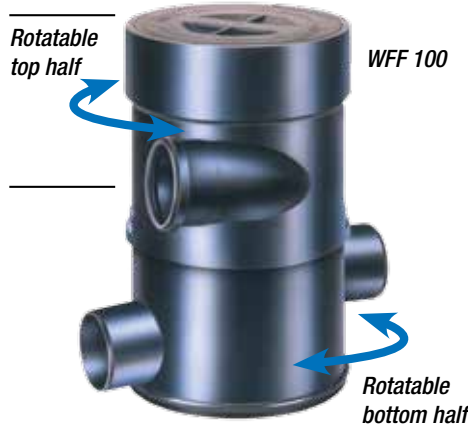


30t vehicle-duty capacity
 Tested to German standard ATV:
 Vehicle-duty capacity up to 30t
 (DIN 1072/SLW 30)

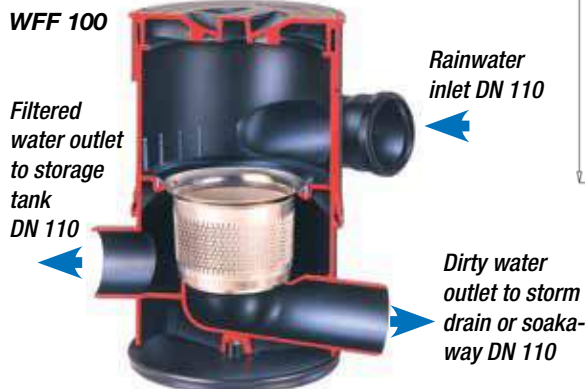
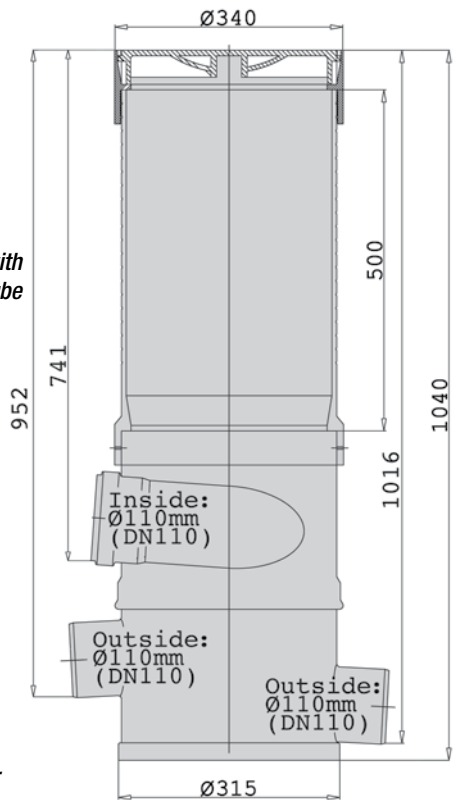


Rainwater filter for installation in horizontal rainwater pipes underground or in the open air (e.g. for industrial applications). Optionally available with 50 cm (1.6 ft.) extension tube for raising the inspection opening to ground level. Freely rotatable rainwater inlet. Tested to German standard ATV: Vehicle-duty capacity up to 30 t. Polypropylene housing (PP). Stainless steel filter insert, low-maintenance. Inspection is recommended 2 times per year. When necessary it is easiest to clean the filter insert in a dishwasher. Filter mesh size 0.28 mm (0.011 in.) (basic version) or 0.44 mm (0.017 in.). Drainage safety according to DIN EN 12056 / EN 752, complies with DIN 1989.

WFF 100 without extension tube



WFF 100 with extension tube



Vortex Fine Filter WFF 100

Item No.

consists of housing, end ring with housing cover and lifting handle (30 cm/11.8 in.) in the following versions:

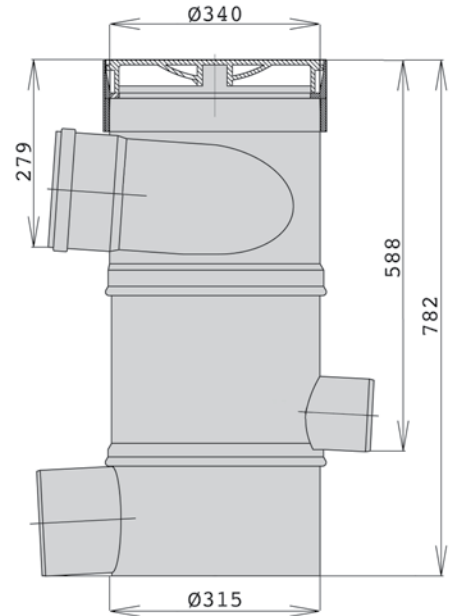
- ▶ With extension tube filter insert 0.28 mm (0.011 in.)
- ▶ With extension tube filter insert 0.44 mm (0.017 in.)
- ▶ Without extension tube filter insert 0.28 mm (0.011 in.)
- ▶ Without extension tube filter insert 0.44 mm (0.017 in.)

- WF 2011
- WF 2012
- WF 2002
- WF 2001

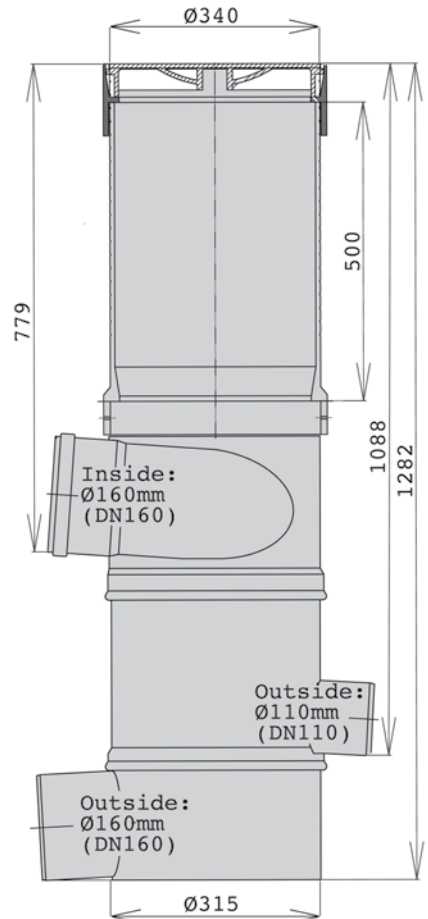
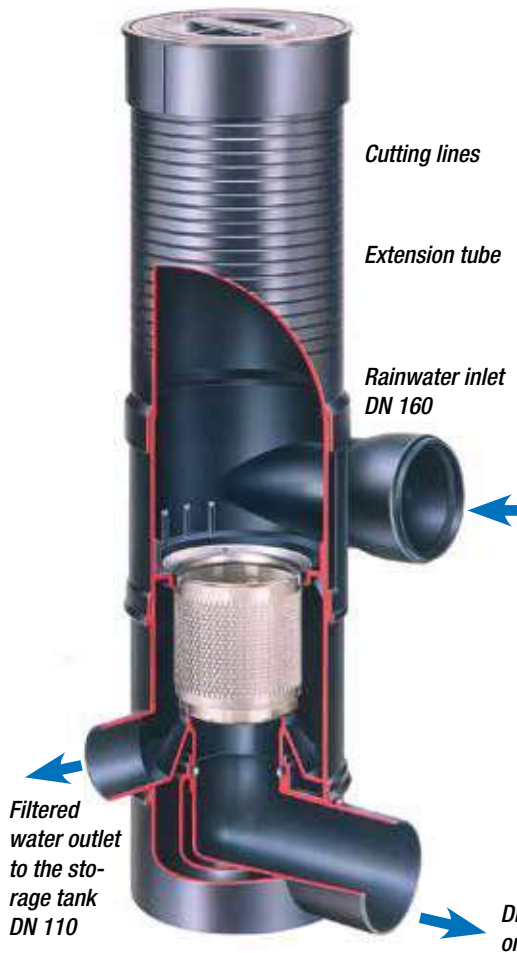
- Drainage safety according to DIN
- For rainwater or process water
- Direction of inlets and outlets can be freely rotated
- With extension tube and cover
- Self-cleaning capability reduces maintenance



WFF 150 without extension



WFF 150 with extension tube



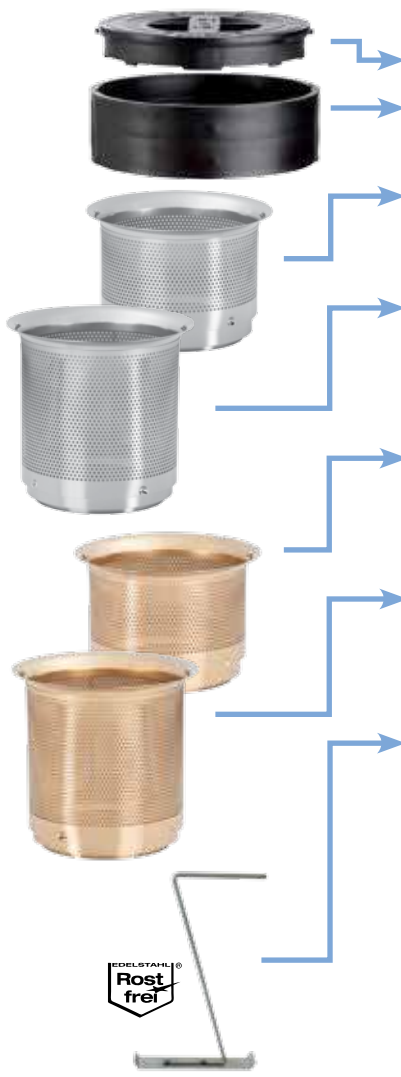
Vortex Fine Filter WFF 150

Item No.

consists of housing, end ring with housing cover and lifting handle (30 cm/11.8 in.) in the following versions:

- | | | |
|--------------------------|-----------------------------------|---------|
| ▶ With extension tube | filter insert 0.28 mm (0.011 in.) | WF 1011 |
| ▶ With extension tube | filter insert 0.44 mm (0.017 in.) | WF 1012 |
| ▶ Without extension tube | filter insert 0.28 mm (0.011 in.) | WF 1002 |
| ▶ Without extension tube | filter insert 0.44 mm (0.017 in.) | WF 1001 |

ACCESSORIES FOR WFF 100 AND 150



Spare Parts for WFF 100 and 150

	Item No.
▶ Housing cover	WN 1002
▶ End ring	ZW 1000
▶ Filter insert WFF 100, made of stainless steel (VA), height 15.5 cm (6.10 in.) Mesh size 0.28 mm (0.011 in.) Mesh size 0.44 mm (0.017 in.)	WE 0305 WE 0306
▶ Filter insert WFF 150, made of stainless steel (VA), height 21.5 cm (8.46 in.) Mesh size 0.28 mm (0.011 in.) Mesh size 0.44 mm (0.017 in.)	WE 0300 WE 0301

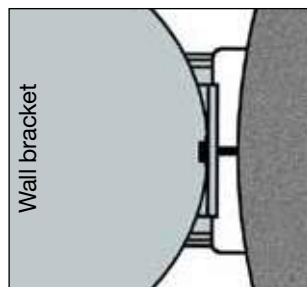
Accessories for WFF 100 and WFF 150

	Item No.
▶ Filter insert for WFF 100 with titanium nitride coating for industrial applications, height 15.5 cm (6.10 in.) Mesh size 0.28 mm (0.011 in.) Mesh size 0.44 mm (0.017 in.)	WE 0402 WE 0403
▶ Filter insert for WFF 150 with titanium nitride coating for industrial applications, height 21.5 cm (8.46 in.) Mesh size 0.28 mm (0.011 in.) Mesh size 0.44 mm (0.017 in.)	WE 0404 WE 0405
▶ Stainless-steel lifting handle (VA) to lift out filter insert for maintenance Length 30 cm (11.8 in.) (<i>standard</i>) Length 63 cm (2 ft.) Length 100 cm (3.3 ft.)	WA 0301 WA 0302 WA 0303
▶ Cut-away sample of WFF 100, prepared for demonstration purpose	WS 2001
▶ Cut-away sample of WFF 150, prepared for demonstration purpose	WS 1001



▶ Stainless-steel wall bracket for concrete rainwater storage tank

WH 0400



For secure attachment: The wall bracket can fit any curvature of storage tank.



▶ Additional extension tube length 50 cm (1.6 ft.) made of polypropylene (PP) to raise the inspection opening to ground level. The extension tubes are fitted with a collar to fit the filter housing. Cutting lines around outer circumference make it easy to cut the tube accurately to the required mounting depth.

WV 1010



▶ Stainless-steel wall-mounting bracket for installing filter on a vertical wall

WH 0303



▶ Blind insert made of stainless steel
Ensures direct throughflow of water to the storm drain or soakaway system, during winter operation or maintenance
for WFF 100 height 15,5 cm (6.1 in.)
for WFF 150 height 21,5 cm, (8.5 in.)

BE 0305

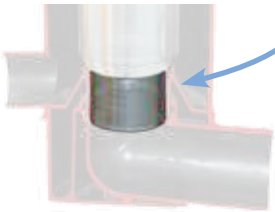
BE 0302



▶ Stainless-steel soakaway strainer
For trapping the fine and coarse dirt from the rinsing and excess water if the water is released into an underground soakaway system rather than a storm drain. meshsize 3 mm (0,12 in.)
for WFF 100, height 8.5 cm (3.3 in.)
for WFF 150, height 18.5 cm (7.28 in.)

VS 0304

VS 0301



The Vortex Finefilter WFF 150 in operation at a car wash in Washington USA

VORTEX FINEFILTER WFF 300

- Drainage safety according to DIN
- For rainwater or process water
- Optionally with sealed plastic cover
- Optional vehicle duty up to 60t
- DN 300 pipe connection
- Self-cleaning capability reduces maintenance



Rainwater filter for installation underground or above ground (e.g. for industrial applications). Vehicle-duty capacity tested to German standard ATV: Vehicle-duty capacity up to 60 t depending on cover version. Polypropylene housing (PP). Stainless steel filter insert. Filter mesh size 0.38 mm (0.015 in.). Consists of housing, plastic or steel cover, low maintenance filter insert, baseplate and 50 cm lifting handle. Drainage safety according to DIN EN 12056 / EN 752, complies with DIN 1989.



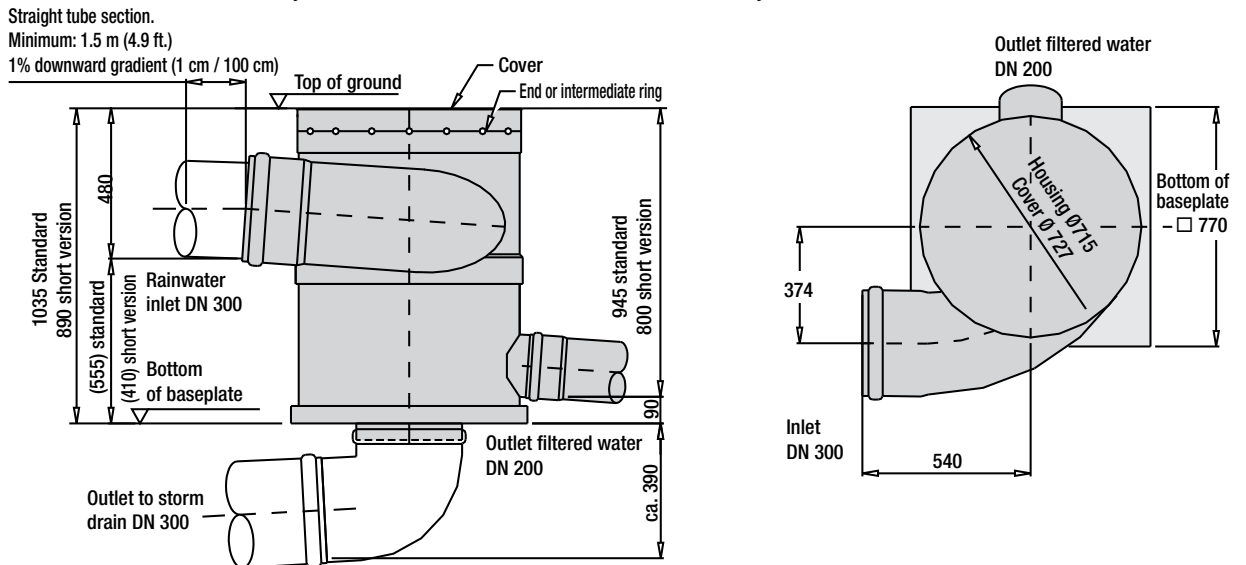
60t vehicle-duty capacity
 Tested to German standard ATV:
 Vehicle-duty capacity up to 60t
 (DIN 1072/SLW 60)

Vortex Fine Filter WFF 300

Item No.

- | | |
|---|---------|
| ▶ WFF 300 with sealed plastic cover, vehicle duty for vehicles with a weight of max. 2,4 tons (600kg per wheel) recommended in all cases of indoor installation | WF 3010 |
| ▶ WFF 300 with steel Cover, Vehicle duty, for vehicles with a weight of max. 12 tons. (acc. to DIN 1072) recommended for outdoor and underground Installation | WF 3012 |
| ▶ WFF 300 with steel Cover, Vehicle duty, for vehicles with a weight of max. 60 tons. (acc. to DIN 1072) recommended for outdoor and underground Installation | WF 3001 |

Note: When installing the WFF 300, make sure that the rainwater is admitted to the filter through a straight tube section of at least 1.5 metres (4.92 ft.) in length. The tube should be installed with a downward gradient of about 1 cm per meter. To ensure optimum operation of the system, this tube section must not include any elbows or deflections.



Spare Parts

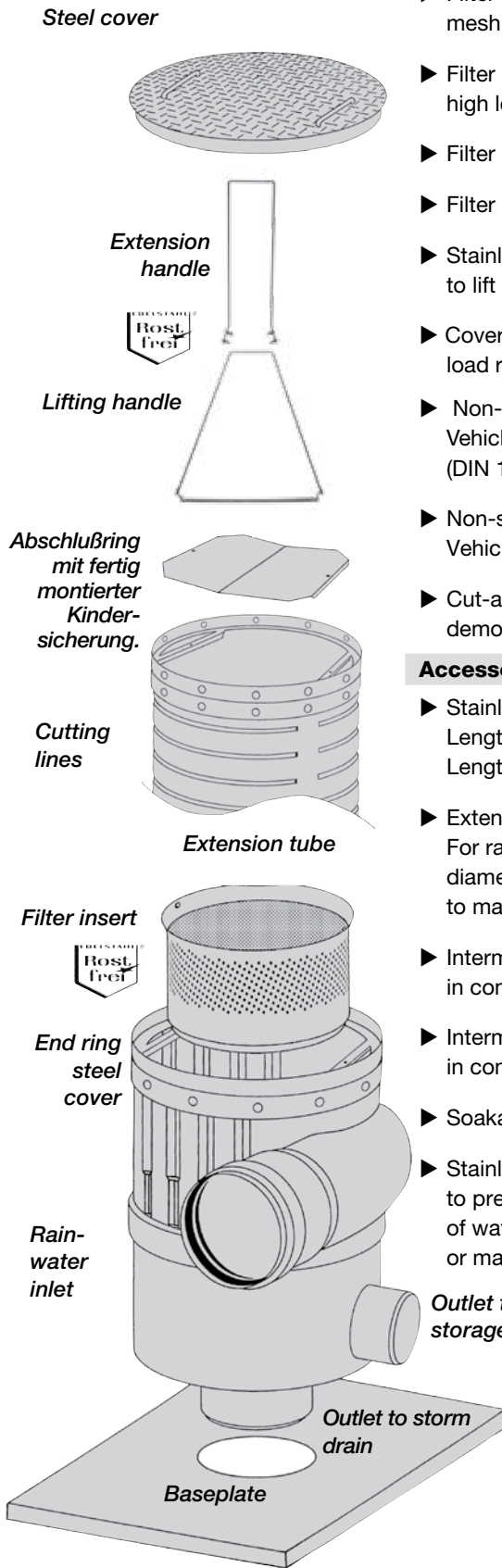
Item No.

- ▶ Filter insert made of stainless steel, mesh size 0.38 mm (0.015 in.) WE 0307
- ▶ Filter insert for WFF 300 coated in titanium nitride for protection against high levels of abrasive stress, height 27.5 cm WE 0406
- ▶ Filter insert for WFF 300, short version, height 20.5 cm WF 0310
- ▶ Filter Insert for WFF 300 meshsize 0,18 mm (180µm) WE 0311
- ▶ Stainless-steel lifting handle, length 50 cm (1.6 ft.), to lift out filter insert for maintenance. WA 0305
- ▶ Cover made of plastic, with Rubber sealing, and flange ring, load rate 600 kg. Diameter 700 mm (27,6 in) WF 4030
- ▶ Non-slip steel cover Vehicle-duty capacity up to 12 t (DIN 1072/SLW12) WF 4011
- ▶ Non-slip steel cover Vehicle-duty capacity up to 60 t (DIN 1072/SLW60) WF 4001
- ▶ Cut-away sample of WFF 300, prepared for demonstration purpose WS 3001

Accessories

Item No.

- ▶ Stainless-steel extension handle
Length 50 cm (1.6 ft.) WA 0307
Length 100 cm (3.3 ft.) WA 0309
- ▶ Extension tube (PE), black
For raising inspection opening to ground level, diameter 70 cm (2.3 ft.), length optional up to max. 140 cm (4.6 ft.), price per 10 cm WV 1030
- ▶ Intermediate ring, required to connect the extension tube in combination with steel cover RS 1020
- ▶ Intermediate ring, required to connect the extension tube in combination with plastic cover RS 1060
- ▶ Soakaway strainer (not illustrated) VS 0310
- ▶ Stainless-steel blind insert to prevent water inflow to the storage tank. Ensures direct throughflow of water to the storm drain or soakaway system, during winter operation or maintenance BE 0306



VORTEX FINEFILTER WFF 300, SHORT VERSION

FILTRATION

- Drainage safety according to DIN
- For rainwater or process water
- Optionally with sealed plastic cover
- Optional vehicle duty up to 60 t
- DN 300 pipe connection
- Self-cleaning capability reduces maintenance
- Difference in height (between inlet and horizontally deflected outlet) is 145 mm less than on the standard version

The difference in elevation between the rainwater inlet and outlet is only 800 mm, i.e. 145 mm less than the standard WFF 300 model. The short version of the WFF 300 is available with two different cover designs.



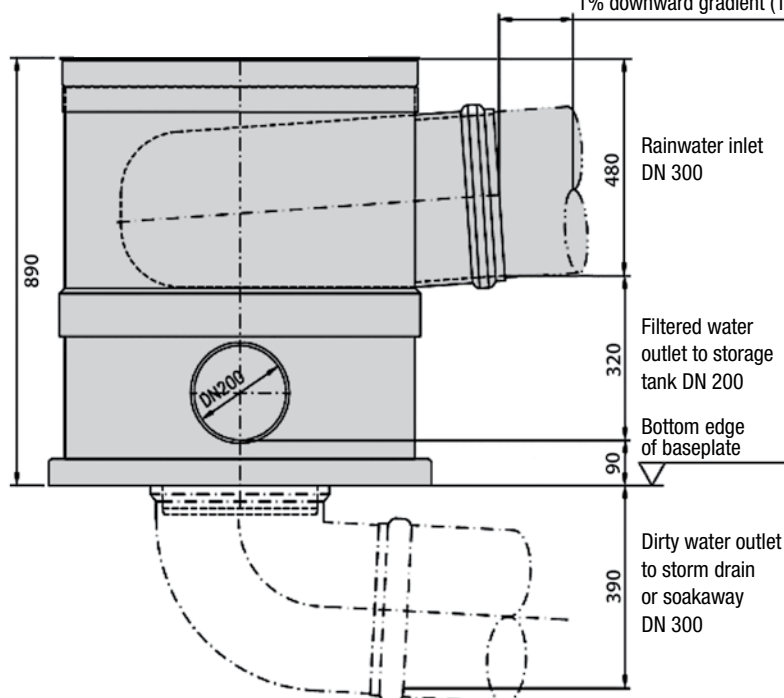
Comparison - short version on left and standard version on right

Vortex finefilter short	Item No.
▶ WFF 300 short, with sealed plastic cover, recommended in all cases of indoor installation	WF 3020
▶ WFF 300 short with steel cover, vehicle duty capacity up to 12 t acc. to DIN 1072 to (acc. to DIN 1072) recommended for outdoor and underground Installation	WF 3022
▶ WFF 300 short with steel Cover, Vehicle duty, for vehicles with a weight of max. 60 tons. (acc. to DIN 1072) recommended for outdoor and underground Installation	WF 3023

For accessories see previous page, WFF 300.

Straight tube section.
Minimum: 1.5 Åm (4.9 ft.)
1% downward gradient (1 cm / 100 cm)

The WFF 300 (short version) in a metro station in Kuala Lumpur



VORTEX FINEFILTER WFF 300 STAINLESS

- Drainage safety according to DIN
- For Rainwater or industrial process water
- Applicable everywhere where overflowing of fluids must be prevented
- In- and outgoing pipes with Ø 300mm flanges



Our rainwater and industrial Vortex finefilters WFF 300 VA are made of stainless steel. stainless steel. Due to the unique arrangement of the filter fabric, they have a high self-cleaning effect and can be self-cleaning effect and can therefore be operated almost continuously without the need to the process has to be interrupted cyclically. They are designed for unpressurised flowing media and can be used everywhere where filtered or solids have to be concentrated in liquids.

Capacity

The filter is designed for a flow velocity of up to 1.6 m/s. The nominal flow rate is 13 litres per second and results in 90% filtered water and 10% residual and rinsing water. The rinsing water is used to clean the screen and to continuously remove the solids. The maximum flow rate is 80.6 litres per second.

Housing

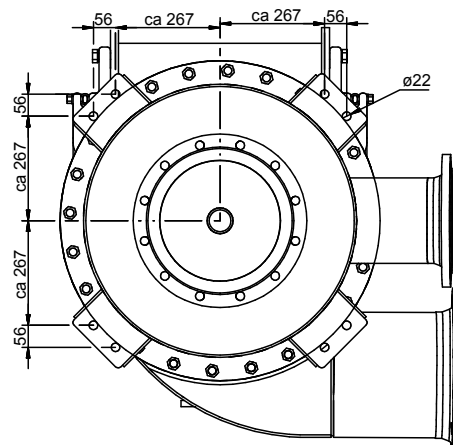
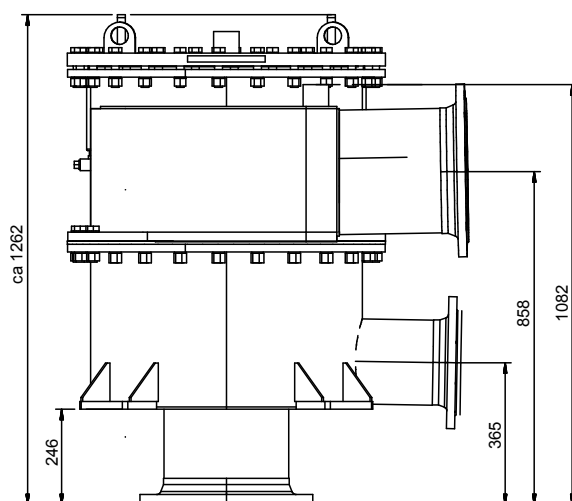
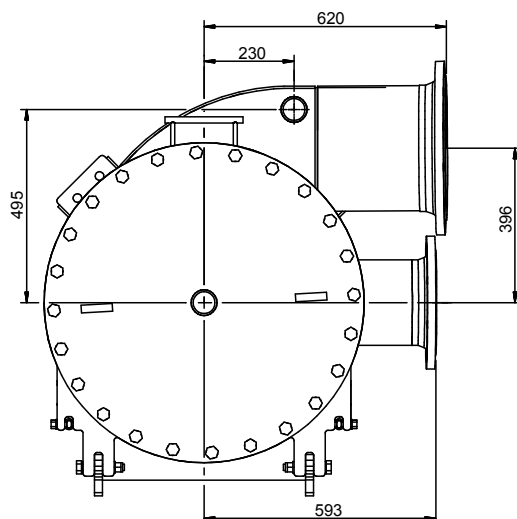
The housing of the filter WFF 300 stainless consists of consists of an upper and a lower part. This allows easy adjustment of the direction between the liquid inlet and filtrate outlet in 15° steps. Flange connections according to DIN or ANSI are provided for the pipe. Housing and filter insert are made of stainless steel V2A. For foodgrade conditions or for acidic media a version made of V4A is available.

Cover

The Cover is made of the same stainless steel as the housing. It is leak-proof up to a up to a pressure of 6 bar. By help of two gas-springs the lid can be easily be operated with one hand..

Filter insert

The filter insert is made of stainless steel In the standard version it has a mesh size of 0.38 mm; other widths are available. Particles larger than the the mesh size are carried by the rinsing water downwards to the outlet. For special applications e.g. with abrasive solids the filter insert can be coated with titanium nitride coating. This increases the service life and material strength.



Technical Data

filtration rate at 1,6 m/s und 13 l/s	> 90 %
Meshsize	0,18 mm meshsize
	0,38 mm meshsize
	Others on request

Connections

Horizontally incoming water:	DN 300 PN 10 DIN 2632/C EN 1092-1/B1 Typ 11
Horizontally outgoing filtered water:	DN 200 PN 10 DIN 2632/C EN 1092-1/B1 Typ 11
Vertically outgoing dirt and rinsing water:	DN 300 PN 10 DIN 2632/C EN 1092-1/B1 Typ 11

Material

Housing, Cover, Filter Insert Stainless steel:	1.4301 optional 1.4571
Filter insert for abrasive application:	optional coating with Titan-Nitrite

*WFF 300 stainless
with open Cover*



*WFF 300 stainless
with closed Cover*



Vortex finefilter WFF 300 stainless

Item No.

▶ 6 bar, 380 µm, two part housing

WF 3031

Other model sizes and connection diameters on request

- **For industrial applications**
- **Designed for continuous duty**
- **No additional water consumption, filtered water is used in cleaning process**

A vortex fine filter equipped with the fully automatic cleaning nozzle is capable of performing extremely challenging tasks in water recycling or separation plants. This nozzle cleans the filter with a fine water spray. The filter surface is kept clean for long periods without any need for maintenance.

The spraying device for the WFF 100 and WFF 150 vortex finefilters is installed in an external shaft extension above the filter. The spraying device for WFF 300 can be installed directly in the filter housing.

The cleaning nozzle operates fully automatically. In terms of cleaning, the filter is virtually maintenance-free. The service life of the filter is extended, while the consumption of fresh and wastewater and the energy usage associated with the process are minimized. For operating the cleaning nozzle, the submersible pressure pump Multigo is suitable. (page 32, not included in the scope of delivery). The cleaning nozzle has an 1" Outside thread for the connection to pressurized water.



Cleaning nozzle for Vortex Finefilter WFF 300

Cleaning Nozzle	Item No.
▶ WFF 100 cleaning nozzle	SC 1000
▶ WFF 150 cleaning nozzle	SC 2000
▶ WFF 300 cleaning nozzle	SC 3000

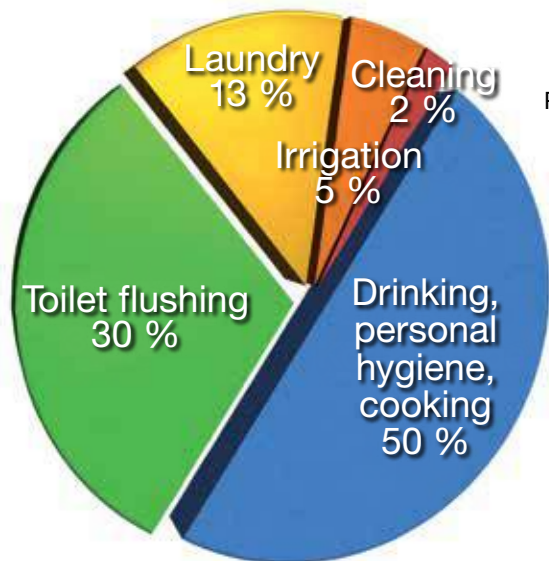
Cleaning of water coming from the manufacture of concrete blocks located in Clermond Ferrand, France



USING HARVESTED RAINWATER REDUCES CO₂ EMISSIONS

Using harvested rainwater reduces CO₂ emissions:
560,000 tonnes in Germany

RAINWATER UNITS

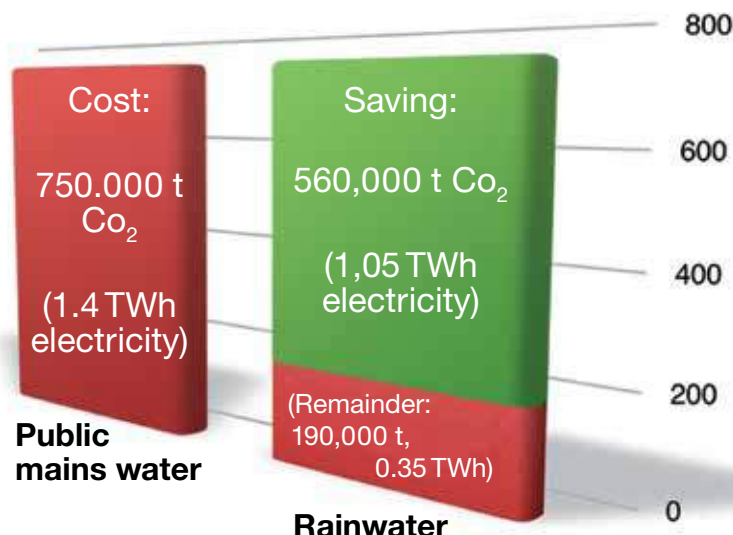
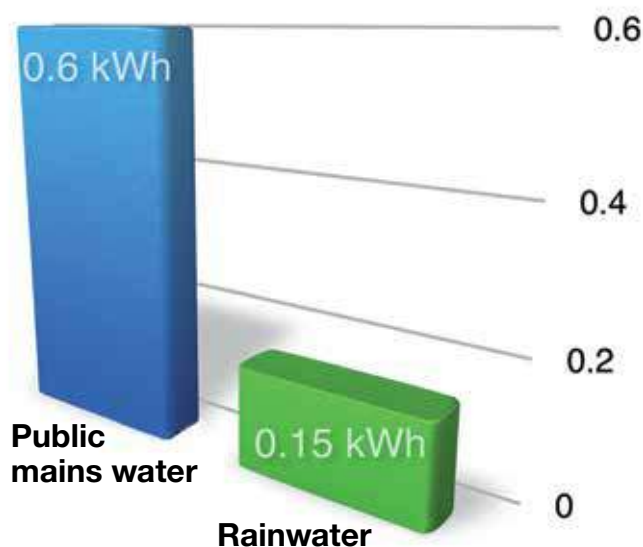


Public water utilities supply approximately 4.6 billion cubic metres of mains water per year to domestic households and small businesses.¹ But only half this volume of water needs to be of drinking water quality.

By using rainwater to flush toilets, do the laundry or household cleaning, or irrigate the garden, a domestic household could reduce its drinking water consumption by up to 50 %. The savings potential in the public domain is even higher.

The treatment and transportation of drinking water is a costly business. It uses approximately 0.6 kWh of electricity per cubic metre.² By contrast, it takes only 0.15 kWh of electricity to pump rainwater from a storage tank to the extraction points.³

The annual savings potential⁴ for German households with respect to the supply of water for toilet flushing, laundry, household cleaning and garden irrigation is as follows:



Reducing consumption of drinking water also achieves savings in terms of the technical and chemical processes required to purify the water of:

- Pharmaceutical residues (hormones, antibiotics, contrast agents)
- Fertilisers and nitrates
- Pesticides and fungicides

¹ Public Water Supplies by Federal State, German Federal Statistical Office, 2012

² Towards efficient use of water resources in Europe, page 21, European Environment Agency, 2012

³ WISY AspriPlus rainwater unit 15/3, power consumption: 600 watts, delivery rate: 65/min.

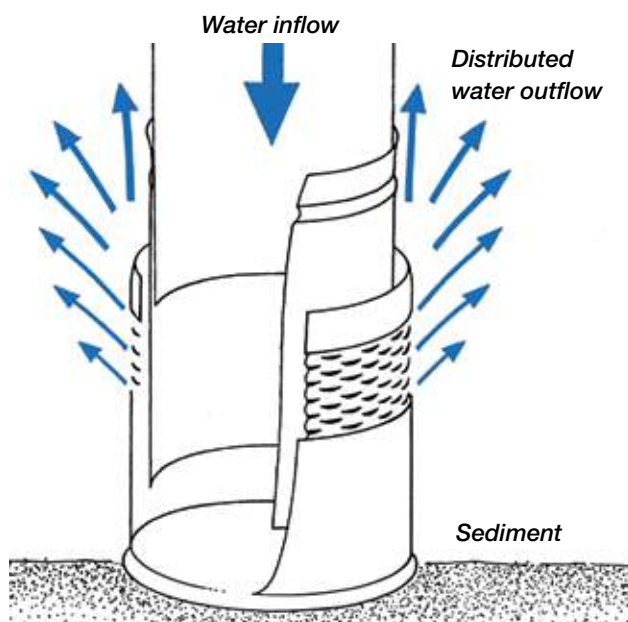
⁴ German energy mix 2010: 546g CO₂ per kWh. Development of specific carbon dioxide emissions of the German energy mix over the time period 1990 to 2012, page 1, Federal Environment Agency

The smoothing inlet made of stainless steel prevents resuspension of sediment and distributes fresh, oxygen-rich rainwater in the storage tank.



Smoothing inlet DN 110 compatible with vortex fineliter WFF 100, WFF 300 and Linear Filter

Smoothing inlet	Item No.
▶ Smoothing inlet for DN 110	EB 0300
▶ Smoothing inlet for DN 200, inside diameter 204 mm (8.03 in.)	EB 0303
▶ Smoothing inlet inside diameter 222 mm (8.74 in.)	EB 0304
▶ Telescopic pull-out and smoothing inlet DN 125	EB 0305



For suction pumps

Filter body with stainless-steel filter mesh, mesh size 0.3 mm (0.01 in.), with non-return valve. Float made of environmentally friendly polyethylene.



FINE filtering
with 0.3 mm
(0.01 in.) mesh size



COARSE filtering
with 1.2 mm (0.05 in.)
mesh size

Connection set for suction pumps consisting of

- Floating coarse or fine suction filter 1" with non-return valve
- Float diameter: 15 cm (5.91 in.)
- Highly flexible hose, or optional suction and pressure hose, steel hose clamps
- 90° PE elbow connector to PE pipe 32 x 3 mm (1")

Floating suction filter sets with non-return valve

FINE

with highly flexible suction hose

- ▶ With 2 m (6.5 ft.) highly flexible suction hose
- ▶ With 3 m (9.8 ft.) highly flexible suction hose

with suction and pressure hose

- ▶ With 2 m suction and pressure hose
- ▶ With 2,3 m suction and pressure hose
- ▶ With 3 m suction and pressure hose

Floating suction filter sets with non-return valve

COARSE

with highly flexible suction hose

- ▶ With 2 m (6.5 ft.) highly flexible suction hose
- ▶ With 3 m (9.8 ft.) highly flexible suction hose

with suction and pressure hose

- ▶ With 2 m suction and pressure hose
- ▶ With 3 m suction and pressure hose



Item No.

SZ 9801

SZ 9802

SZ 9803

SZ 9805

SZ 9804

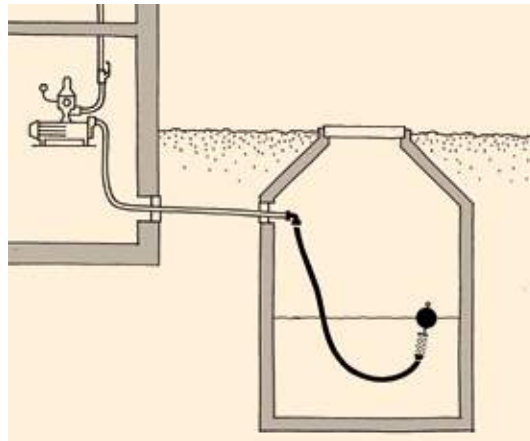
Item No.

SZ 9811

SZ 9812

SZ 9813

SZ 9814



Note!

Highly flexible hose can only be used with suction pumps which are controlled by a pump controller with non-return valve, e.g. WISY Zeta 02! Expansion tanks with pressure switch only are not suitable!

MULTISIPHON

- Odour seal
- Vermin guard
- Backflow prevention device
- Overflow with skim effect
- Gas barrier

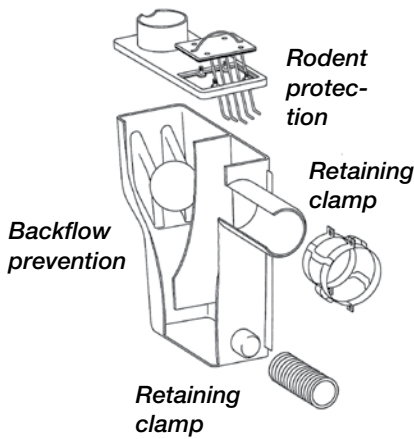
Multi-functional overflow for rainwater storage tank

Made of impact-resistant ABS plastic. For connection to the tank overflow (DN 100). Surface debris removed by skimming effect. Prevents storm drain odours from reaching the storage tank. Brace pipe prevents tilting or tipping. Large siphon volume 6 l (1.5 gallons).

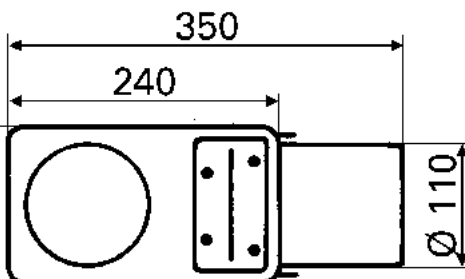
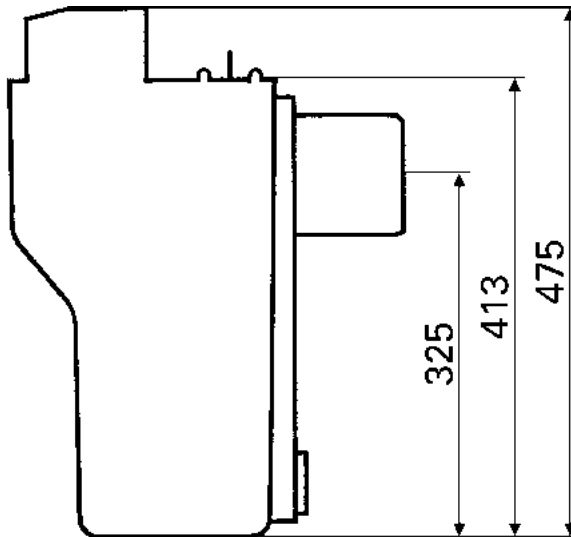
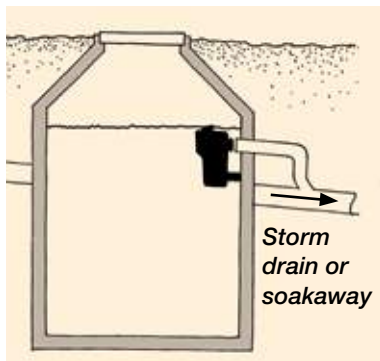
- Available in different versions:
With or without drain backflow prevention
with or without vermin guard

The version with integrated drain backflow prevention is delivered with a retaining clamp for connection to a DN 100 pipe.

The passive vermin guard is made of stainless steel and is easy to remove for maintenance.



Multisiphon and retaining clamp



Multisiphon	Item No.
▶ with drain backflow prevention with vermin guard	US 1002
▶ without drain backflow prevention with vermin guard	US 1003
▶ with drain backflow prevention without vermin guard	US 1004
▶ without drain backflow prevention without vermin guard	US 1005

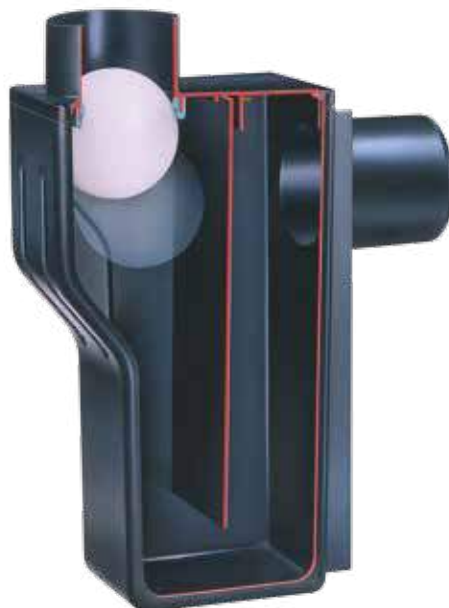
Accessories	Item No.
▶ Stainless-steel retaining clamp for connection to a DN 100 pipe	US 1010



with drain backflow prevention
with vermin guard



without drain backflow prevention
with vermin guard



with drain backflow prevention
without vermin guard



without drain backflow prevention
without vermin guard

OVERFLOW SIPHON DN 200

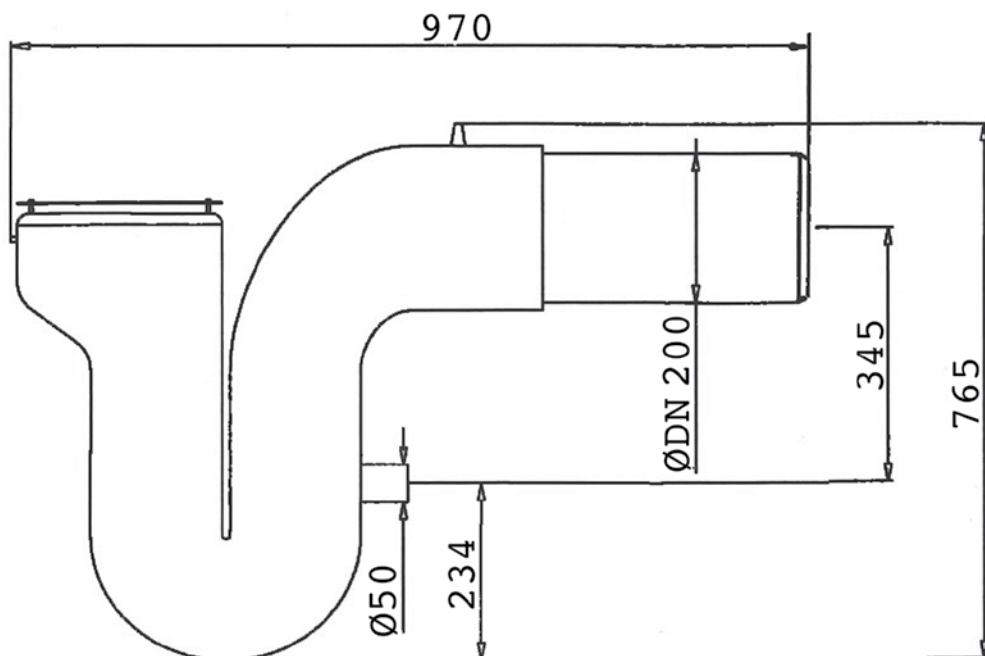
- Ready to install in rainwater storage tank
- For combination with WFF 300 vortex finefilter
- Odour seal and vermin guard

Overflow siphon DN 200

Item No.

- ▶ Overflow siphon DN 200 made of stable polyethylene for storage tanks. Suitable for combination with vortex finefilter WFF 300. With odour seal, vermin guard, brace pipe, 2 x 1 m (3.28 ft.). Including stainless-steel chain for the attachment to ceiling or wall.

US 2000





WISY AG

Filtration | Building Services | Rainwater

Oberdorfstraße 26
63699 Kefenrod-Hitzkirchen
Germany

Telephone +49 6054 9121 0
Telefax +49 6054 9121 28
Email info@wisy.de
Internet www.wisy.de

Ordering/Billing

Telephone +49 6054 9121 25
Telefax +49 6054 9121 28
E-Mail bestellungen@wisy.de

Technical Support

Telephone +49 6054 9121 78

Authorized Channel Partner



RPV WISY

L-330, Periyar Nagar, Erode,
Tamil Nadu-638 009.

Telephone +91 81223 00301, +91 70107 48114
E-Mail info@rpvwisy.in
Internet www.rpvwisy.in

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