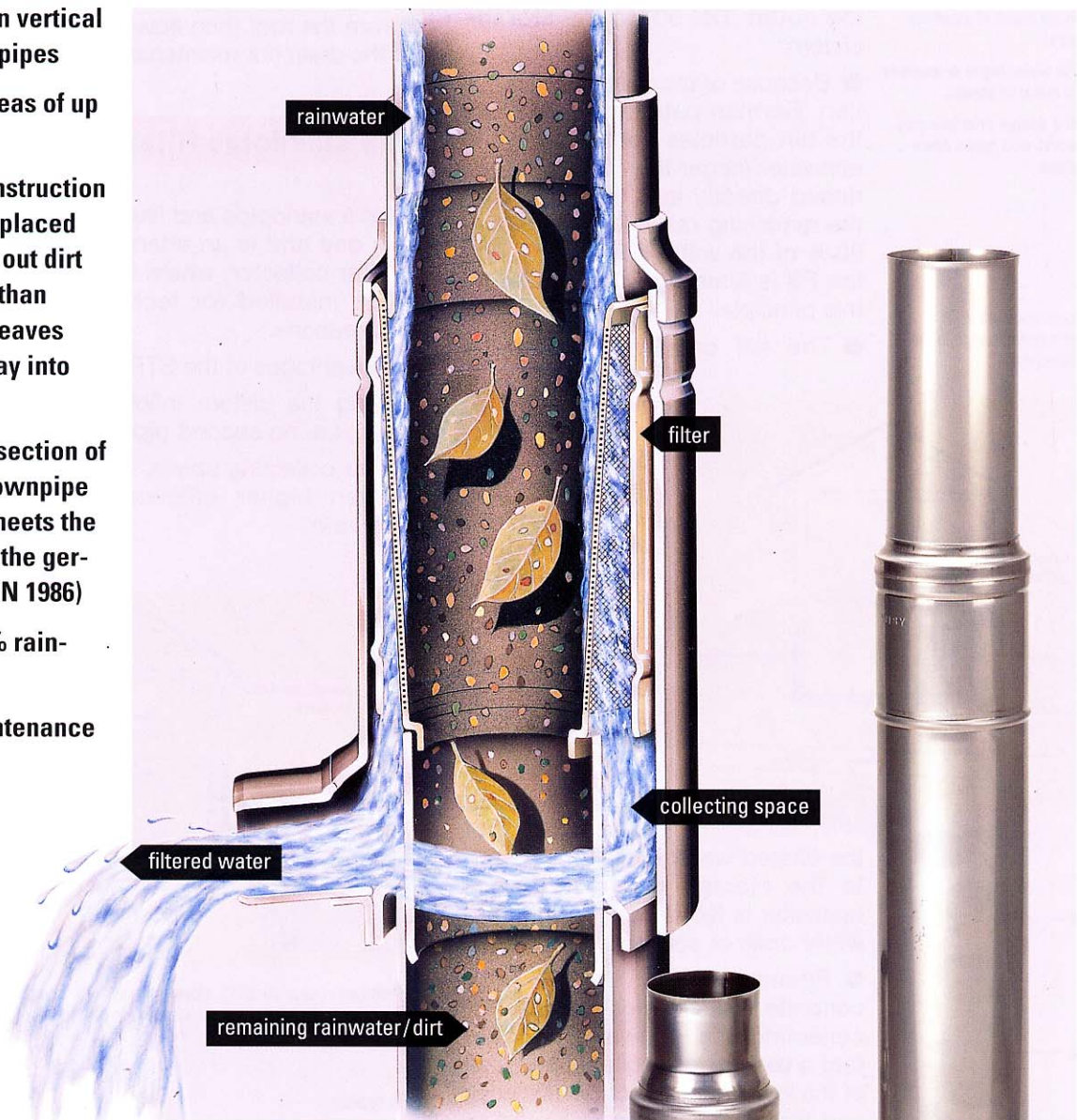


# Filter and collect rainwater

- for installing in vertical rainwater downpipes
- use for roof areas of up to 150 sq.m.
- the unique construction of the vertically placed fine filter rinses out dirt particles larger than 0,28 mm, moss, leaves and insects away into the drain.
- the full cross-section of the rainwater downpipe remains clear (meets the requirements of the german standard DIN 1986)
- more than 90% rainwater collected
- minimum maintenance



Filters directly in the down pipe:  
the (FS) filter collector



Products for rainwater utilization



The (STFS) standpipe filter collector:  
filter collector and standpipe in one

## The filter collector (FS)

### FS types:

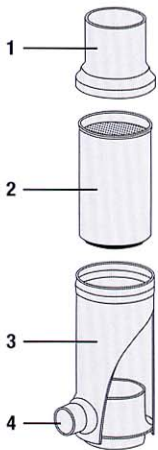
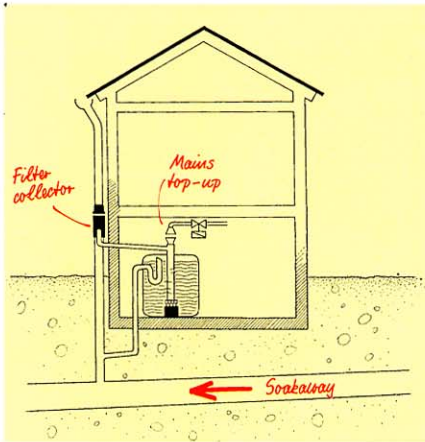
Housings can be of stainless-steel, zinc or copper for nominal sizes (DN) 100, -87, -80, -76, plastic nominal size 110 mm and 68 mm. DN 50 outlet.

Filter insert of stainless-steel.

For installing in downpipes of metal or plastic.

The design principle only works with round downpipes.

Installation of the FS with water storage in the basement



● The rainwater coming from the roof through the downpipe is drawn through the vertically placed stainless-steel filter insert by adhesion forces, it then falls into the collecting space and is led through the outlet (DN 50) to the storage cistern.

● Because of the unique construction (German patent no. 3812136) the dirt particles contained in the rainwater (larger than 0,28 mm) are rinsed directly into the drain with the remaining rainwater. More than 90 % of the water passing through the FS is filtered and collected by this principle.

● The full cross-section of the rainwater drainage system remains continuously open in the FS and STFS systems. There are no restrictions or obstructions in the appliances on which rainwater can collect. This is especially important in hail storms and torrential rainfall. In such cases 50 % of

the filtered water is still transferred to the storage cisterns. Excess rainwater is led directly to the rainwater drain or soakaway.

● Pitched roofs of slate, clay or concrete tiles are most suitable for collecting the rainwater. Planted roof areas are less suitable because of the low water-collection efficiency and the brown colour imparted to the collected water. Non-sealed asbestos cement roofs are less suitable, the fibres of this roof covering tend to block the fine filter mesh.

● Resistance to corrosion and frost is absolutely guaranteed. The com-

compact design allows simple and easy assembly on almost all rainwater downpipes.

● With the optional blind insert the collection and filtering of the appliance can be stopped. The rainwater from the roof then flows directly into the drain (for maintenance etc.).

### Components

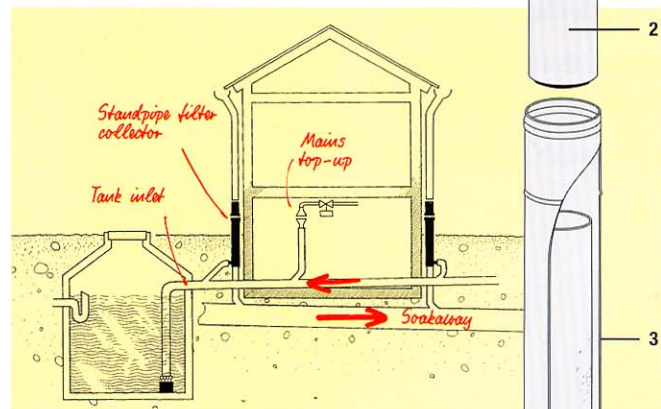
- 1 Upper housing
- 2 Filter insert
- 3 Housing
- 4 Outlet

## The standpipe filter collector (STFS)

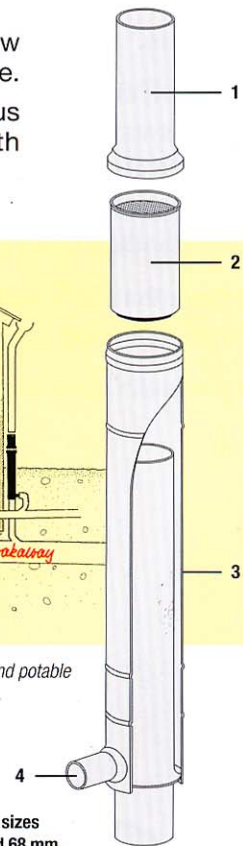
● It is a standpipe and filter collector in one and is an alternative to the filter collector, where this cannot be installed for technical or visual reasons.

The advantages of the STFS:

- Laying the cistern inflow below ground, i.e. no second pipe visible.
- Larger collecting space, and thus an even higher efficiency with heavy rain.



Installation principle of the STFS. Inflow from rainwater and potable water is through the same pipe - an inexpensive solution.



### STFS types:

Housing and filter insert of stainless-steel for nominal sizes (DN) 100, -87, -80, -76, plastic nominal size 110 mm and 68 mm.

For installation in downpipes of metal or plastic, underground connection to cistern (through the DN 50 outlet).

The design principle only works with round downpipes.

Quality to the last detail:  
The stainless-steel standpipe clip (accessory)



WISY products are supplied by:

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Rainfilters of Texas, LLC  
PO Box 203113  
Austin, TX 78720-3113