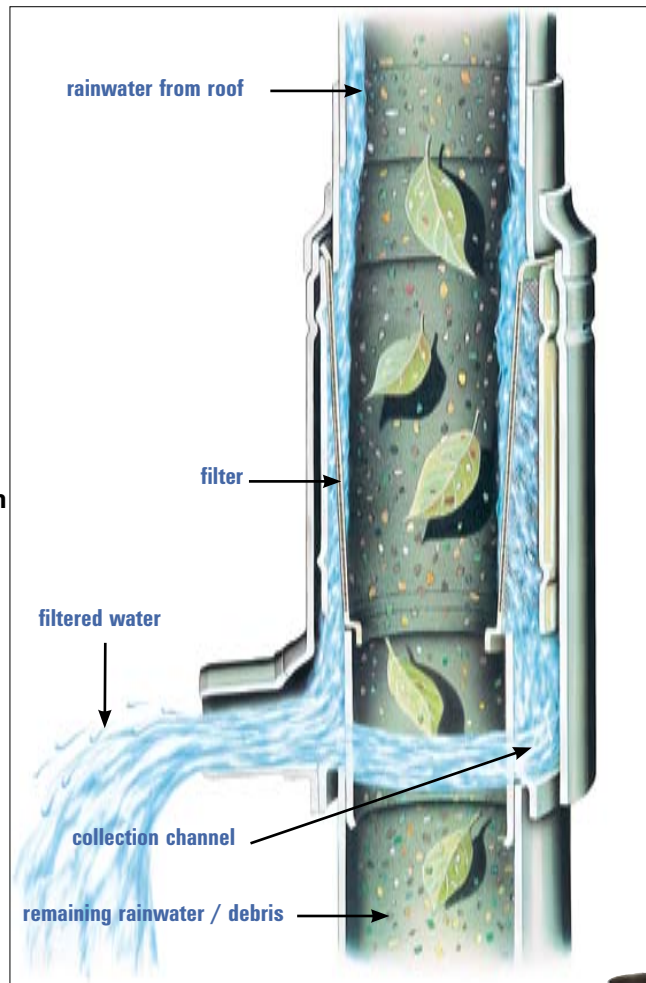




## RAINWATER HARVESTING

# DOWNPIPE FILTER-COLLECTORS

- **Compact design for simple installation in round vertical rainwater downpipes**
- **suitable for roof areas up to 150 sq. m**
- **full cross-section of downpipe maintained**
- **more than 90% of rainwater collected**
- **low maintenance**
- **high quality units with a proven track record for reliability and efficiency**
- **manufactured by WISY**
- **corrosion and frost proof**
- **available in various sizes to fit all common UK and EU pipes**



These filter collectors are designed for simple and easy installation in rainwater downpipes. The FS unit is installed by removing a section of downpipe. The STFS unit is a standpipe version for installations where for aesthetic or technical reasons the outlet pipe must be concealed below ground. The STFS has the added advantage of a larger collecting channel and has, therefore, greater efficiency in heavy downpours.

With no obstruction or narrowing of the downpipe, the unique construction (WISY Patent No 3812136) maintains full flow of water through the downpipe and filter. This is particularly important in hailstorms and torrential rainfall. Even in such demanding weather conditions, the FS and STFS systems will harvest 50% or more of the rainwater flowing through the downpipe. Excess water is piped in the conventional manner to surface water drain or soakaway.

Water is drawn through the vertically orientated stainless steel filter insert by adhesion forces. Filtered water falls into the collection

channel and is fed via the outlet connection to the storage tank. Remaining water washes debris and particles larger than 0.28 mm through the filter collector into the drain or soakaway in the normal manner. In order to maintain efficiency the filter insert requires regular cleaning at 2 to 3-monthly intervals.

Materials that do not retain water are best for rain harvesting. Slate, clay or concrete tiles are most suitable. Coated metal or composite fibre sheets are also good. Planted 'green' roofs are less suitable due to the discolouration of the water. Unsealed asbestos cement roofs are not recommended as the fibres tend to block the filters more frequently.

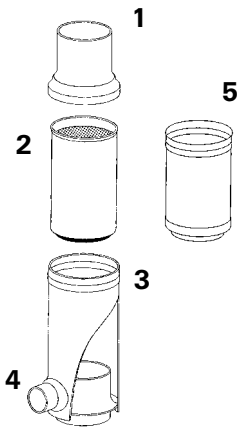


*FS filter collector*

*STFS standpipe filter collector*



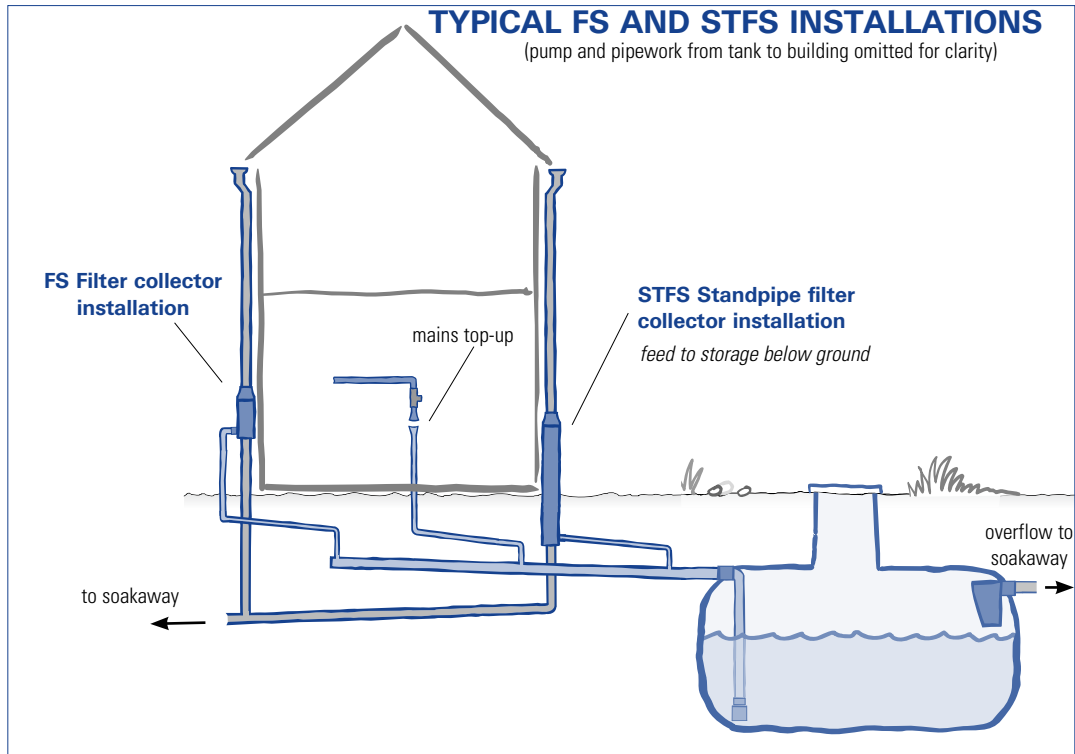
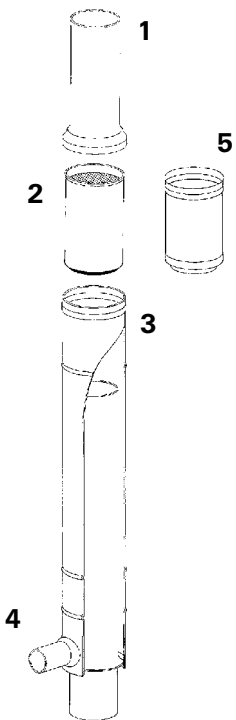
### FS Filter Collector



#### FS & STFS Components

- 1 - Upper housing
- 2 - Filter insert
- 3 - Housing
- 4 - Outlet
- 5 - Blind insert (accessory)

### STFS Filter Collector



#### FS TYPES

For installation in round metal or plastic downpipes

**Housing:** Stainless-steel, Copper or Zinc  
**For nominal sizes:** (DN) 100, 87, 80, 76, plastic nom. size 68, 110  
**Outlet size:** DN 50  
**Filter insert:** Stainless-steel  
**Dimensions:** height 390mm, diameter 120mm

compression fitting, the end accepts 50mm solvent-weld pipe.

#### ■ Blind Insert

For system maintenance purposes, a blind insert is available for both FS and STFS types. This can be used in place of the filter insert to divert all flow to the soakaway.

#### ■ Stainless-steel standpipe clip

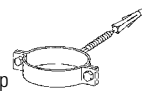
For securing the STFS unit to the wall

#### STFS TYPES

For installation in round metal or plastic downpipes and underground connection to storage tank

**Housing:** Stainless-steel,  
**For nominal sizes:** (DN) 100, 87, 80, 76, plastic nom. size 68, 110  
**Outlet size:** DN 50  
**Filter insert:** Stainless-steel  
**Dimensions:** height 960mm, diameter 160mm

STFS clip (accessory)



#### ACCESSORIES

##### ■ 50mm adapter

For connecting standard 50mm waste pipe to the outlet of the filters. One end is a DN50

NB continuous development may necessitate change in these details without notice E&OE



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