

OPERATION AND MAINTENANCE

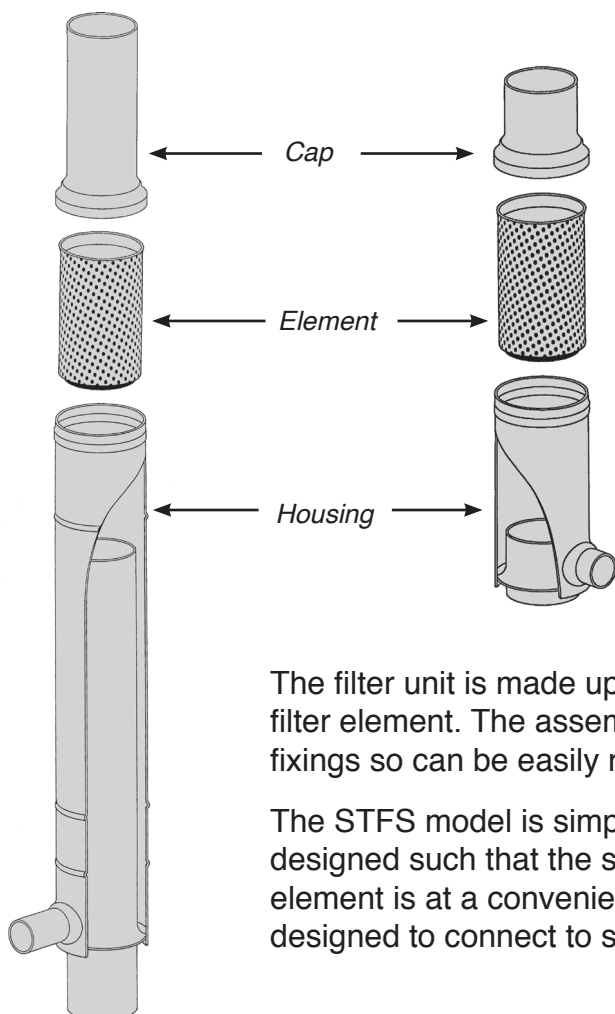
Wisy® Rainwater Downpipe Filter (type FS or STFS)

The filter is the key component in the system, serving to eliminate debris that gets washed down from the roof and thus ensuring that only clean water enters the tank. This is very important, as it is the presence of decaying organic matter within the water that potentially causes problems with water clarity and quality.

The housing of the filter unit is manufactured from high-grade stainless steel and is to a large extent cleaned by the water flowing over and through the mesh. However over time a residue will form that reduces the filter efficiency so that regular cleaning is required. Please note that this residue is usually difficult to see without close inspection.

Location

The filter-collector will be found fitted to one of your rainwater downpipes, with a side outlet leading to the rainwater storage tank. On some properties, there may be more than one so ensure you know where each is located.



The filter unit is made up of three components; the housing, the cap and the filter element. The assembled unit is fitted into the downpipe but there are no fixings so can be easily removed.

The STFS model is simply a taller version of the FS model, and it is designed such that the side outlet can be below ground, whilst the filter element is at a convenient height for access. The bottom of this unit is designed to connect to standard 100mm drainage pipe.

Cleaning the filter element

Begin by slackening off the collar of the fitting on the filter outlet. Slide the housing cap up the downpipe by about 5cm. (Fig.1)

Now gently lift and tilt the housing towards you enough to enable the filter element to be pulled out. If difficulty is encountered, disconnect the pipe from the side outlet. (Fig. 2)

This will enable the entire unit to be removed. (Fig. 3 & 4)

Once the element has been removed the fine mesh inside must be cleaned. The filter can be cleaned using either a pressure washer or by hand using a brush and clean water (a little washing up liquid may assist).

Excellent results are also obtained from cleaning in a dishwasher. DO NOT use a wire brush or anything abrasive that may damage the mesh.

Replace the filter element carefully and slide the cap back down so that it fits snugly on top of the housing. Re-tighten the collar of the 50mm outlet connection (hand tight only).

The filter element should be cleaned at least every three months; however every situation is different and in some extreme situations it may be necessary to clean the filter more frequently.



Figure 1



Figure 2



Figure 3



Figure 4

N.B. When replacing the element in the filter body, ensure that it seats correctly onto the lip inside inside:-



Correct



Incorrect

The unit should not be left for any time during rainfall without the filter element in place otherwise debris will enter the rainwater storage tank. If it is required to completely prevent water from entering the tank, a blank insert piece is available which can be used to direct all the rainwater to the surface water drainage system.