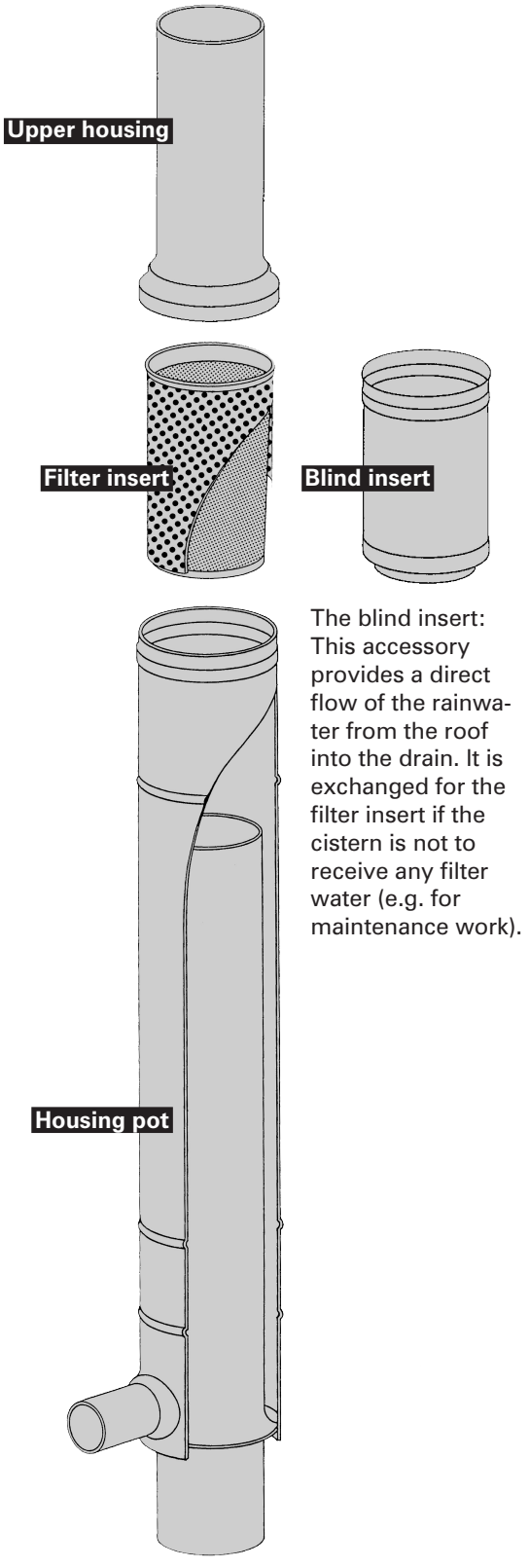
WISY Standpipe filter collector (STFS)

for rainwater installations

Please read these instructions carefully before installing the WISY Standpipe filter collector.



The blind insert: This accessory provides a direct flow of the rainwater from the roof into the drain. It is exchanged for the filter insert if the cistern is not to receive any filter water (e.g. for maintenance work).

Instructions for installation and use

Description

The standpipe filter collector is manufactured of high-quality stainless-steel. All types have a removable filter insert with a filter mesh size of 0,28 mm.

The componentstare manufactured using modern techniques and are subjected to strict quality controls. This guarantees perfect Operation.

Should there be any manufacturing defect, a replacement component will be supplied.

● WISY standpipe filter collectors are available for the normal trade rainwater pipes with nominal sizes (DN) of 100, 87, 80, 76 and 68, as well as for plastic downpipes of size (DN) 100 (with external diameter of 110 mm) and 70 (with external diameter of 75 mm). For other cases we recommend adjusting the rainwater downpipes to the sizes of a standard filter collector.

● Installations must include a 1 m straight section of downpipe before the filter for maximum efficiency. The upper part of the housing and the housing itself are made of stainless-steel, the finish on the metal remains permanent.

● 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 into the collected water. Non-sealed asbestos cement roofs are less suitable, the fibres of this roof covering tend to block the fine filter mesh.

Operation

The standpipe filter collector has three functions:

1. It replaces the bower part ofthe normal downpipe that connects the rainwater drain in the ground with the rainwater downpipe.

2. It filters the rainwater coming from the roof through a filter insert inside the standpipe. The STFS does this with a high efficiency giving good water quality. The filtered water connection (DN 50) to the cistern is invisibie below the ground.

3. It disposes of the filtered dirt into the drain itself. The drain connection is also beiow ground (DN 100).

● 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 debris can collect. This is especially important in hail storms and torrentail 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.

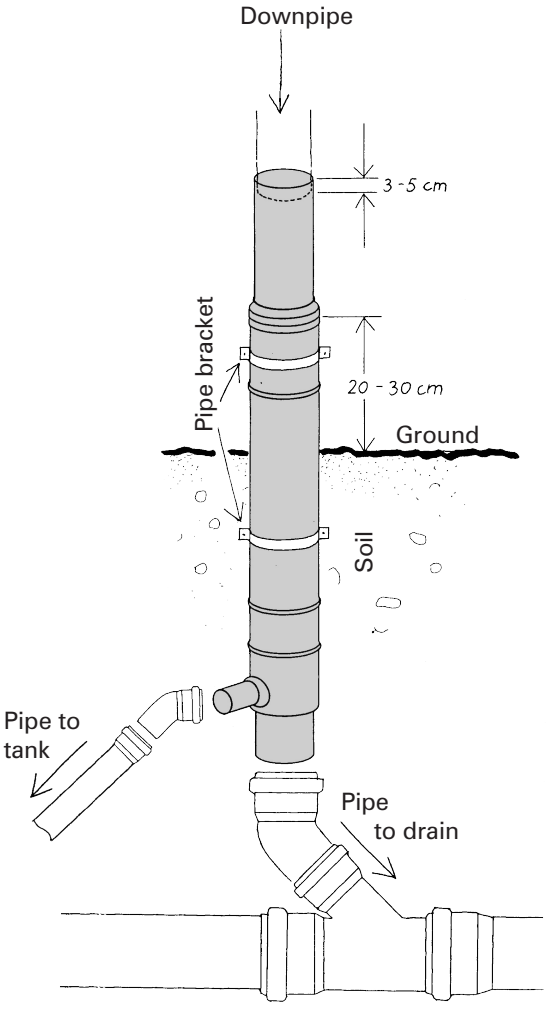
● The standpipe filter collector meets the requirements of German standard DIN 1986 (draining of buildings and premises).

● Resistance to corrosion and frost is absolutely guaranteed by the design and the use of stainless-steel. The compact design allows simple and easy assembly on almost all rainwater downpipes.

Assembly

Please see the adjoining sketch.

1. Lay pipes to the drain, with open bends to the top.
2. Measure the distance between the top of the drain, up the downpipe and cut off to length, so the downpipe enters the upper housing by 3-5 cm.
3. Insert upper housing into the rainwater downpipe at the top. Insert the standpipe housing into the pipe bend seal at the bottom and put the upper housing on top.
4. Firmly screw the standpipe housing to the wall with the previously positioned pipe brackets.
5. Make the pipe connection for the filtered water connection to the tank (DN 50).
6. The standpipe filter area can now be back-filled with sand.



Maintenance

● The filter mesh is virtually self-cleaning, because the flow of water across the vertical mesh washes away the debris. Nevertheless a thin film will build up on the mesh over a period oftime.

This does not usually affect the efficiency of the appliance, but nevertheless we recommend taking out the filter insert from time to time and spraying any pores that have become clogged, from the inside with a strong jet of water (garden spray or high-pressure cleaner). Cleaning can also be carried out by hand with the help of a small brush (not a wire brush) and normal washing liquid.

● Frequency of cleaning will depend on the roof material, condition and degree of soiling, but typically we recommend twice a year.

● To take out the filter insert, the upper part of the housing is pushed completely up. Then the filter insert can be easily taken out of the fixed standpipe.

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