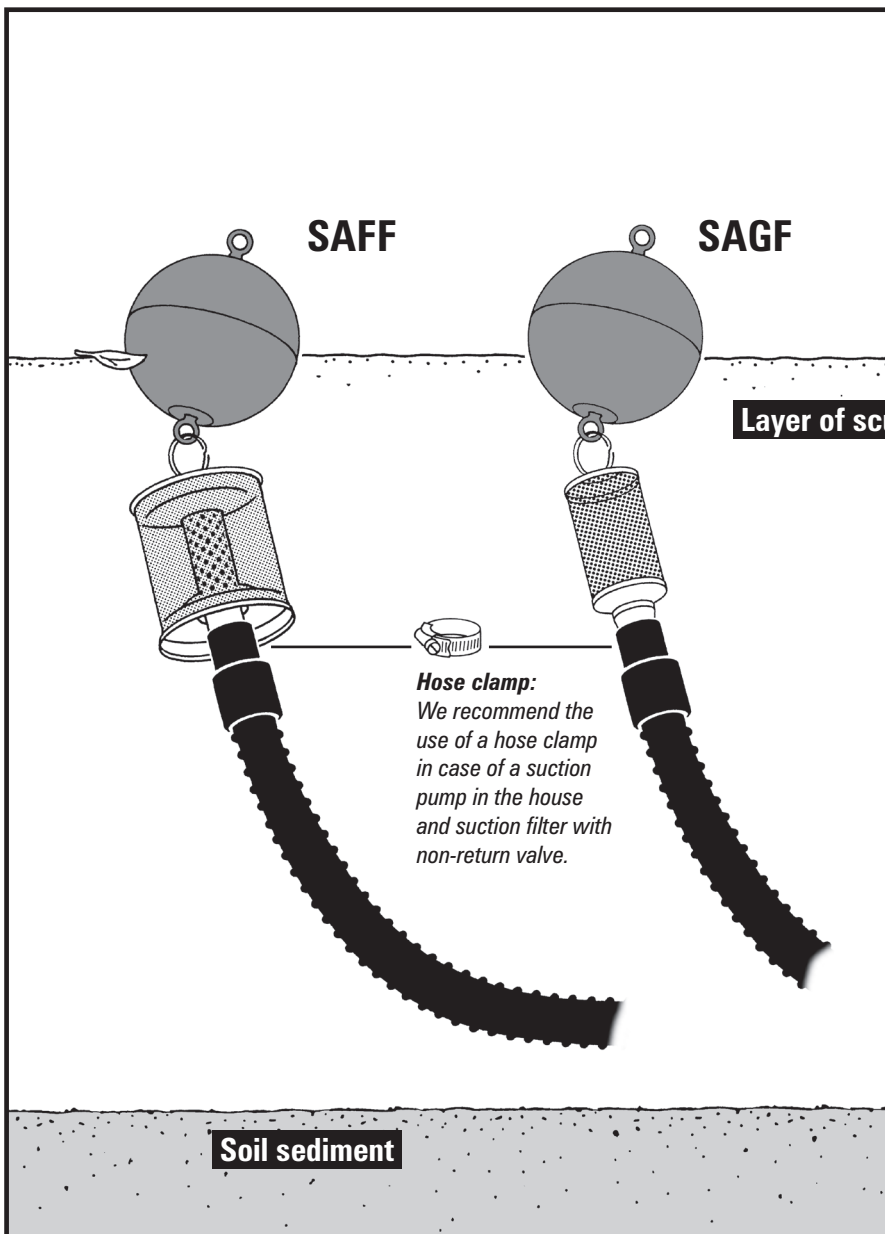


# Floating suction filters

With or without non-return valve



## Floating fine suction filters (SAFF)

For the extraction of rainwater out of cisterns, tanks or ponds and wells.

Mesh size of the fine filter: 0,3 mm.

## Floating coarse suction filters (SAGF)

For the extraction of clean, already filtered, rainwater out of cisterns and others tanks.

Mesh size if the coarse filter: 1,2 mm.

*Floating ball of polyethylene. Filter housing and easy fit hose nozzle of stainless-steel. With or without non-return valve.*

Connection	SAFF		SAGF	
	Filter surface	Ø Floating ball	Filter surface	Ø Floating ball
1"	380 cm <sup>2</sup>	15 cm	165 cm <sup>2</sup>	15 cm
1¼"	380 cm <sup>2</sup>	15 cm	165 cm <sup>2</sup>	15 cm
1½"	800 cm <sup>2</sup>	22 cm	380 cm <sup>2</sup>	15 cm
2"	1100 cm <sup>2</sup>	22 cm	380 cm <sup>2</sup>	15 cm



## The suction filters

They consist of a fine or coarse filter mesh with a large surface of stainless-steel.

The use of the SAFF or the SAGF increases the working safety of the whole rainwater installation.

The abrasion of the pump is reduced as well as the contamination of the valves in case of suction and pressure.

The large surface area of the SAFF or the SAGF filter gives a very low suction resistance, resulting in the pump developing its optimum degree of effectiveness.

The suction fine filter (SAFF) is especially suitable for water extraction

from water cisterns without any pre-cleaning in the system.

*Commercial, cheap non-return valves at the bottom of the suction hoses with little sieves may be a risk for pumps and valve which are down-stream and they might derogate the working safety.*

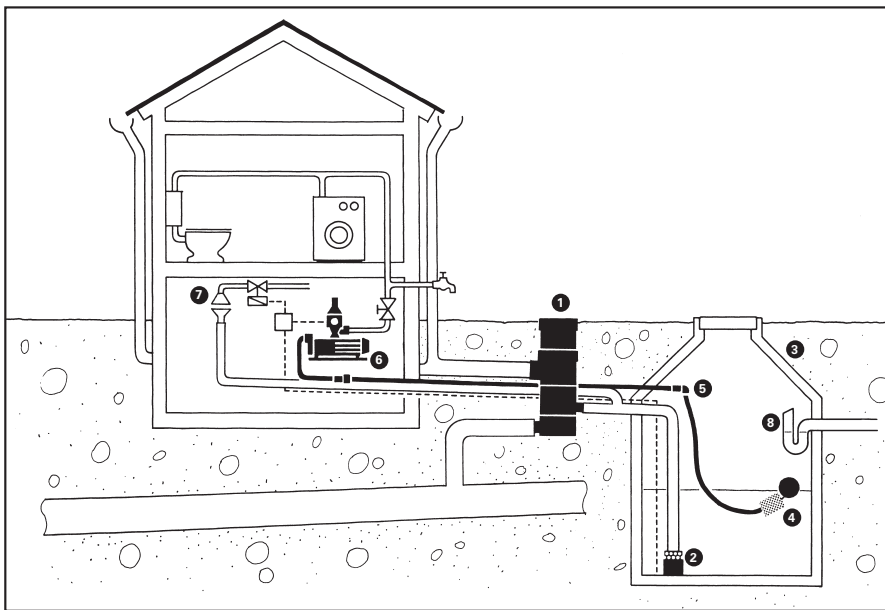
The floating ball allows the suction point to rise and fall with the water and ensures that the water is extracted from where it is cleanest: just below the surface of the water. The filter unit prevents the suction of water from the layer of scum (fatty and small dirt particles) as well as the suction of sand and heavy particles from the soil sediment.

## Non-return valve

Especially for use with a suction pump it maintains a permanent column of water in the connecting suction hose up to the pump (image 1), so that a new column of water does not have to be built up each time the pump starts.

## Maintenance

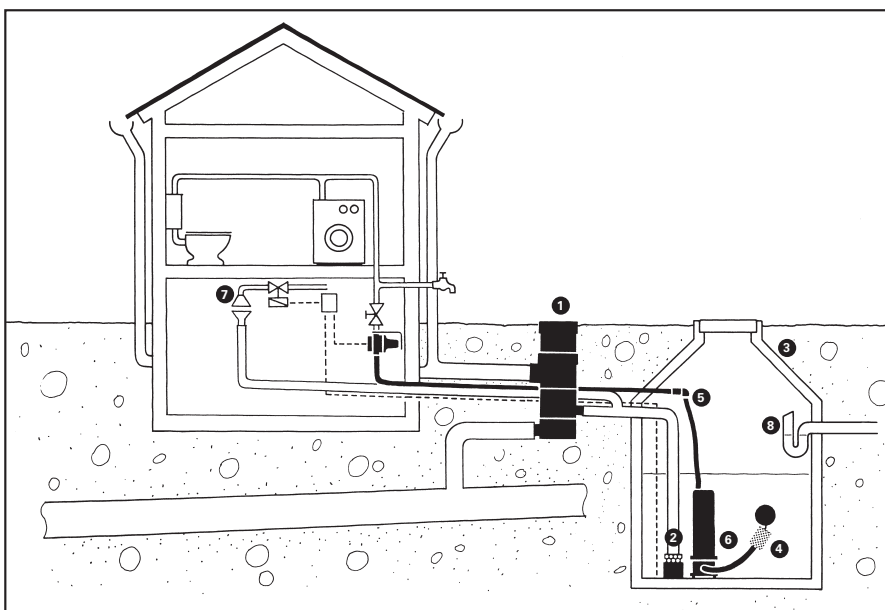
The suction filters should be controlled once a year. The filter mesh can be cleaned with a brush and a strong water jet.



Sketch (image 1): Installation with a suction pump in the basement.

*Floating suction filter with non-return valve for use with a suction pump in the basement.*

- 1 Vortex fine filter
- 2 Smoothing inlet
- 3 Storage tank
- 4 Floating suction filter
- 5 Suction hose
- 6 Suction pump with automatic switch
- 7 Open water outlet/potable water feed
- 8 Overflow siphon



Sketch (image 2): Installation with a pressure pump in the storage tank.

*Floating suction filter without non-return valve for use with a pressure pump in the tank.*

- 1 Vortex fine filter
- 2 Smoothing inlet
- 3 Storage tank
- 4 Floating suction filter
- 5 Pressure hose
- 6 Submersible pressure pump with automatic switch
- 7 Open water outlet/potable water feed
- 8 Overflow siphon



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