RMS
RAINWATER MANAGEMENT SOLUTIONS

Floating Filters
Coarse and Fine Mesh

INSTALLATION INSTRUCTIONS

Coarse Floating Filters

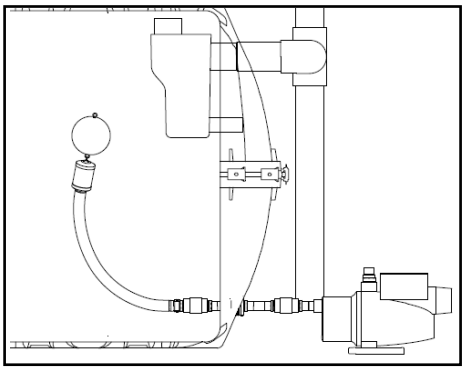
For the extraction of already filtered water out of cisterns or others tanks.

Mesh size of the coarse filter: **1,200 Micron**

Fine Floating Filters

For the extraction of water out of cisterns, tanks and wells. Also suitable for rivers and lakes with clear water.

Mesh size of the fine filter: **300 Micron**



Coarse Floating Filters (SZ 99XX)

Item No.	Con-nection	Filter-surface	H x Ø	Floating ball
SZ 9927	1"	25.5 in²	4.3" x 2.4"	Ø 6"
SZ 9928	1¼"	25.5 in²	4.3" x 2.4"	Ø 6"
SZ 9991	2"	59 in²	6" x 4"	Ø 6"

Fine Floating Filters (SZ 99XX)

Item No.	Con-nection	Filter-surface	H x Ø	Floating ball
SZ 9935	1"	59 in²	4.7" x 4.7"	Ø 6"
SZ 9936	1¼"	59 in²	4.7" x 4.7"	Ø 6"
SZ 9931	2"	170.5 in²	9.3" x 8.7"	Ø 8.6"

wisy®

Rainwater Harvesting

The Floating Filters

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

The use of the fine and coarse floating filter 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 fine and coarse floating filter gives a very low suction resistance, resulting in the pump developing its optimum degree of effectiveness.

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 lfloating particulates as well as the suction of the settled particulates at the bottom of the storage vessel.

Check Valve

A check valve is necessary to eliminate air from entering the line when the pump is idle. RMS can supply a check valve that attaches between the male barb and suction hose. Or a check valve can be placed near the filter, which will require a 22 cm float ball to maintain buoyancy.

Installation

Hose to Filter: The Floating Filter is installed by attaching the supplied suction hose to the male sleeve at the bottom of the stainless steel filter and secured with the supplied stainless steel hose clamp.

Submersible Pump: Attach the threaded end of the supplied brass barb fitting to the suction end of the RMS supplied Goulds submersible pump plus. Then slide the loose end of the suction hose over the barb fitting and secure with the supplied stainless steel hose clamp.

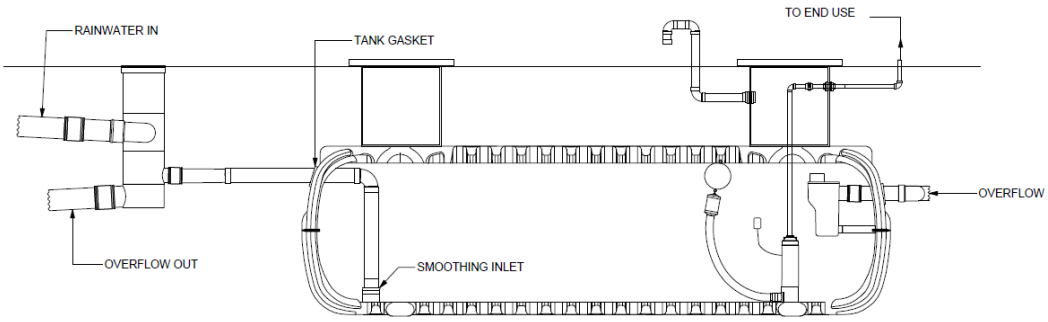
Suction Jet Pump: Attach the threaded end of a brass male barb (can be supplied by RMS) to the 1 ¼" bulkhead fitting (can be supplied by RMS) in the tank. Then slide the loose end of the suction hose over the barb fitting and secure with the supplied stainless steel hose clamp.

A check valve is necessary to eliminate air from entering the line when the pump is idle. RMS can supply a check valve that attaches between the male barb and suction hose. Or a check valve can be placed near the filter, which will require a 22 cm float ball to maintain buoyancy.

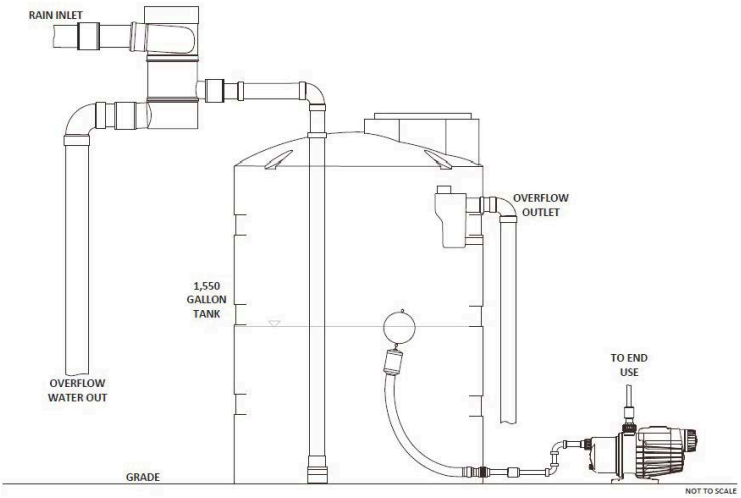
Maintenance

Care and maintenance of the coarse floating filter should occur once a year. A visual inspection through the manway is normally all that is necessary. However, if cleaning is necessary, pull the filter through the manway of the tank and clean by brushing with a stiff bristle brush to loosen any particulate and rinse thoroughly. It is not recommended to use a wire brush for cleaning. Be certain not to brush or rinse the filter directly over the manway.

Below Ground System with Submersible Pump



Above Ground System with Suction Jet Pump



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