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Fine Floating Filter Operation & Maintenance

Overview

The Fine Floating Filter is used in those circumstances where a pre-filter cannot be installed, which will require more maintenance. The Fine Floating Filter is used to uptake rainwater for delivery through a pump system. The float ball keeps the suction filter just below the surface of the water in the tank ensuring the highest quality of water is delivered from the rainwater tank.

Components

Float ball: 15 cm (38 in.) diameter polyethylene

Filter mesh: 0.3 mm (300 microns) stainless steel

Suction hose: food grade reinforced plastic hose cut to length

Installation

Hose to Filter: The Course 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.

Hose to Pump:

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.

Note: It is necessary to place the pump or locate the penetration below a manway with sufficient suction hose (7' is supplied by RMS) to allow for access to the filter for routine maintenance.

Maintenance

Care and maintenance of the Fine Floating Filter should occur once a month. A visual inspection through the manway is normally all that is necessary. 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.