

Your Rainwater Harvesting System

F–Line Diver System with Integrated Filter User Guide



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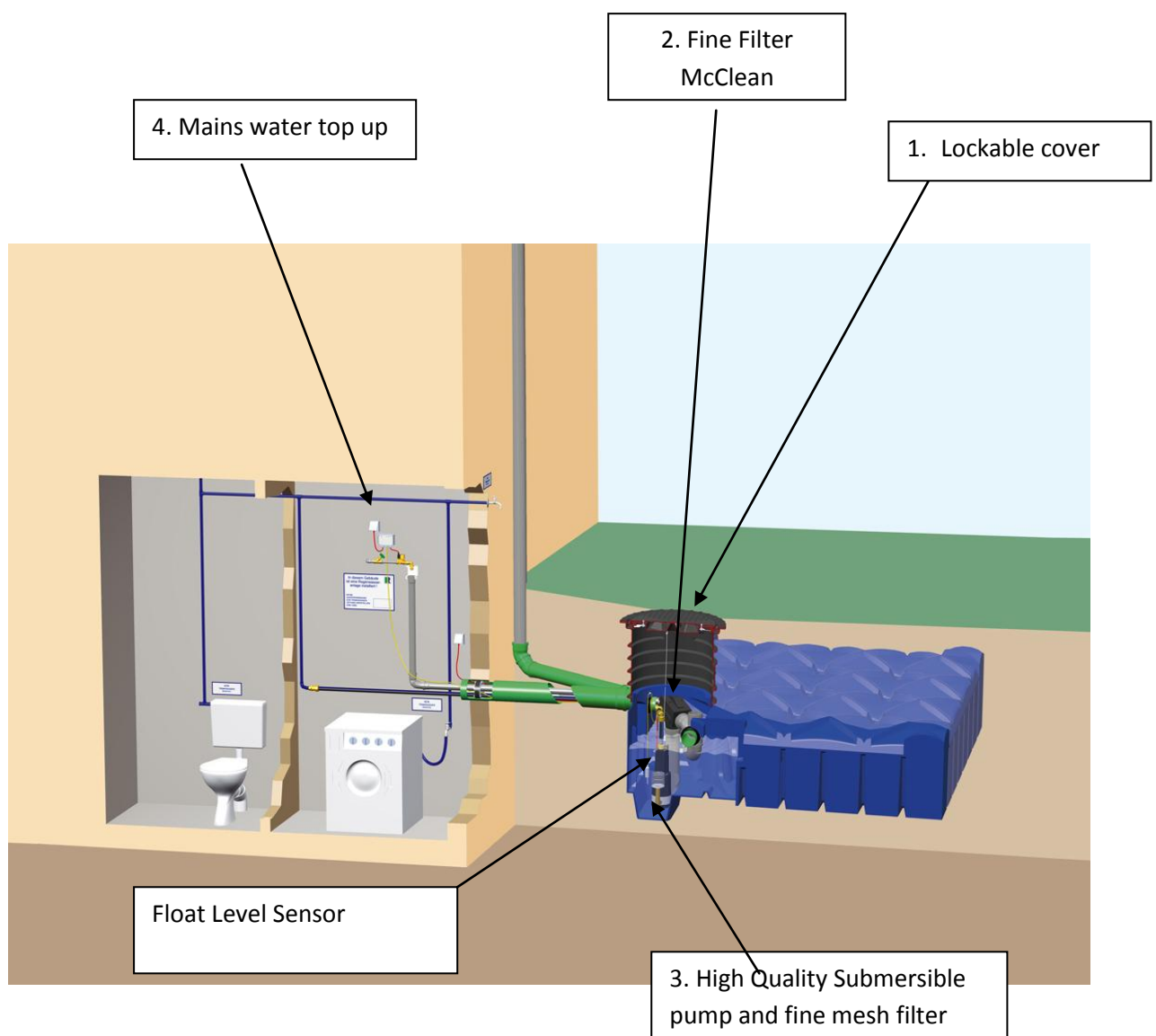
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System Overview

Your property has been installed with a high quality rainwater harvesting system. A Rainwater harvesting system is designed to collect water from your roof, filter and store it, then use it to flush your toilets. In most cases the system can be used for washing clothes, watering the garden and car washing. Please check with your builder to see if this is the case in your property.

Your Rainwater harvesting system is totally automatic. Water from your roof is stored underground and on demand, pumped to your toilets or any other outlet that is connected to it. The system is made up of some Key components that you should familiarise yourself with.

Key Components

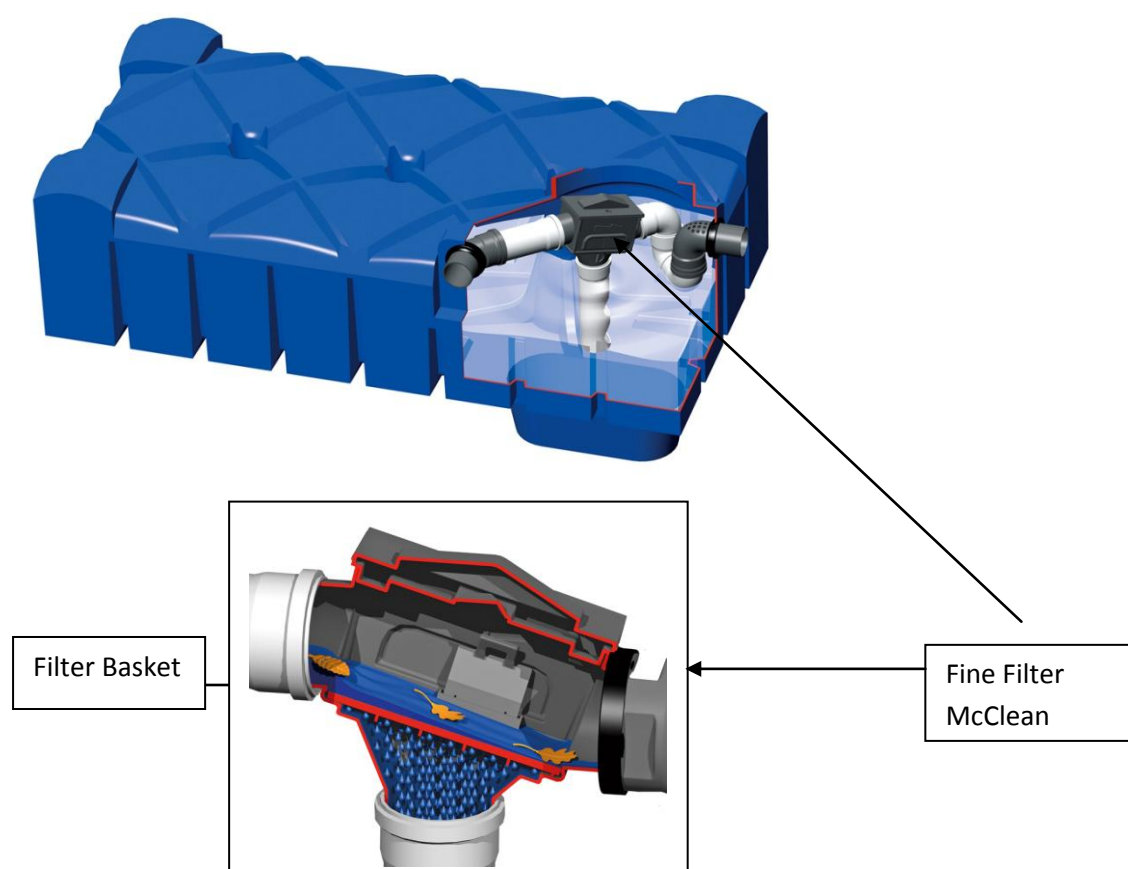


1. The Lockable Cover

For your safety, your Rainwater system is fitted with a lockable cover. You will need a 17mm socket set to open the locks on the



2. The Integrated Fine Filter McClean



Cleaning the filter:

The F-Line Tank has an integrated Fine Filter McClean. This filter ensures that all leaves/solid pieces coming from the roof are filtered out and prevented from the water entering the tank. It is recommended that the filter is checked regularly and as part of a maintenance program. This will ensure the system is collecting all the water possible from the roof. A blocked filter will result in a very inefficient system as any water from the roof will bypass the filter and go straight through the tank to the overflow. Access to the filter is by removing the lockable cover and then lifting off the top cover of the filter. The filter can then be accessed and removed for washing down. The filter is then returned with the top cover in place.

3. The Submersible Pump

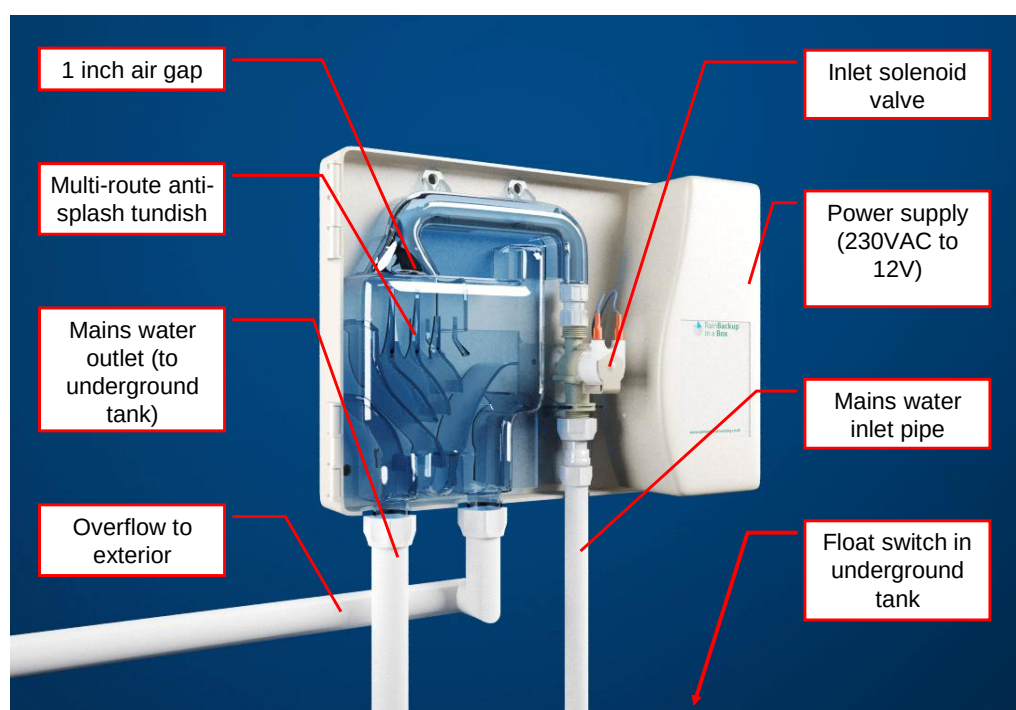


The Submersible pump is a fully automated clean water pump with a built in fine mesh filter, this is located on the floor of your rainwater tank and should ideally be in an upright position. Once a toilet is flushed, pressure in the pipework drops. The Pump registers this pressure drop and activates, drawing water through its fine mesh filter to feed the toilet.

4. Mains Water Top Up

Your rainwater harvesting system is fitted with a mains water top up system. Should we experience a prolonged period of no rain, your tank may run low. In this eventuality the mains water top up will feed a small amount of water into the tank to keep it at a minimum level until such time that rainwater enters the tank. The water sensor is located in the tank and should be set just higher than the mesh filter on the pump. This lets the control panel know if your tank is running dry.

You may notice that there is a gap between this and a pipe disappearing into the floor! This is nothing to be concerned about. By law you must not have a possibility of mains water and rainwater touching. This gap provides the necessary air gap to ensure there can never be any cross contamination.



Overview

In summary, your system is fully automated and should give you years of trouble free use. It is worth however to familiarise yourself with all of the key parts to your system, which will aid you and Rewatec UK should there ever be a fault.

Maintenance

We would recommend that a regular Maintenance program should be carried out annually. Initially this may be after 6 months depending on whether a full commissioning of the system was carried out at installation time.

Once a year we would recommend cleaning the filter as described in detail above, to ensure the system doesn't get clogged and the maximum water collection is assured. Each site has different surroundings and if it is noted that there is a possibility of tree leaves or particles filling up the filter on a more regular basis (e.g. pine tree needles/spikes) then this may require a more frequent examination and possible cleaning of the filter.

An inspection of the cover and tank internals is also recommended. The water level should be noted and also the condition of the water. The position of the pump and the float level should also be verified.

Caution!

Care must be taken if entering the tank. PTA cannot be held liable for any injuries caused.