

Operations Guide - GreaseShield® 1850-F1000

FilterShield™ 1000

Solids are collected and de-watered in the removable filtration basket. The basket must be emptied regularly and cleaned at least once a day. Please ensure a basket is always in place during normal operation.

More information about the FilterShield™ 1000 can be found on page 2 of this document.



Normal Operational Times



The standard operation times for a GreaseShield®1850 is from 07:00 hrs until 02:30 hrs.

Grease Removal - 5 minutes on followed by 5 minutes off for the duration of the operational period.

Cleaning - Once a day, at the start of operation.

(These operation times can be adjusted upon request.)

Automated Self Cleaning

Upon activation clean hot water is added into the GreaseShield®, via a WRAS approved water solenoid valve. The Combination of this with the pulsing action of the Grey Water Recirculation pump, agitates and circulates the effluent preventing build of fine sediments in the tank.

(Additional cleaning cycles can be added upon request)



FOG Container

The extracted FOGs are collected in the FOG storage container. This container must be emptied and cleaned at least once a day including the wiper blade. The Max Fill Line should not be exceeded.

Service Function

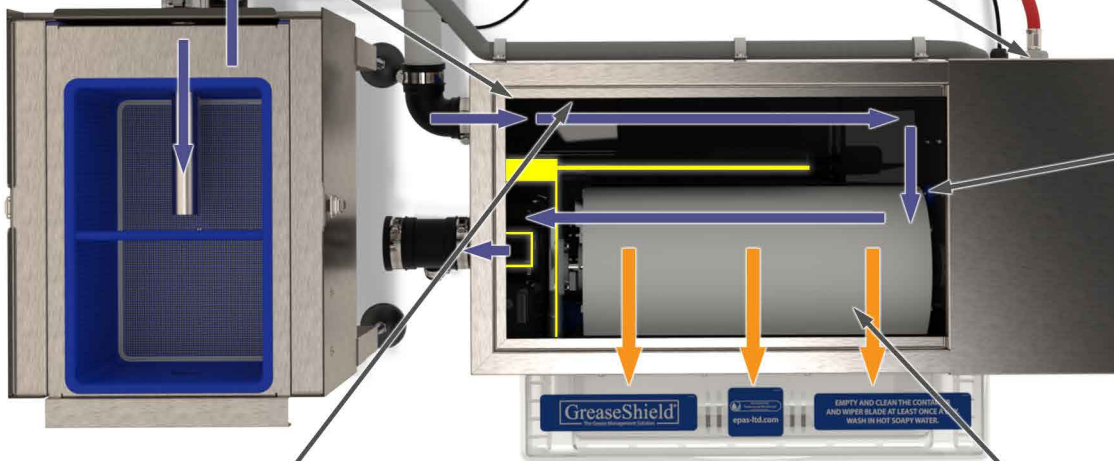
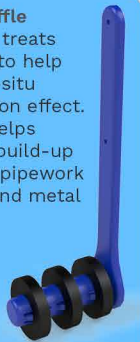
The Manual Service button activates a Pump to lower the water level of the unit for servicing. Grey water is extracted from the bottom of the tank and sent directly to the drain via the grey flexible hose on the back.

(Service permitted only by trained and authorised personnel)



Magnetic Baffle

Magnetically treats the effluent to help create an in-situ Bioremediation effect. This effect helps prevent the build-up of scaling in pipework by calcium and metal deposits.



Grey Water Recirculation

During operational hours when FOG removal takes place, waste thermal water is recirculated from the outlet of the GreaseShield®1850 back to the Inlet. This encourages the reverse flow of effluent and ensures that FOGs are directed towards the FOG Removal Roller.

FOG Removal

A number of co-operating baffles combined with the reverse flow design of the tank, utilises the difference density of grey water and FOGs to separate the effluent. FOGs are directed towards a large, oleophilic (attracts FOGs) and hydrophobic (repels water), FOG Removal Roller. This submerged Roller removes the FOGs from the effluent. A silicone Wiper Blade, with anti-static properties, scrapes the FOGs from the roller and deposits them into the FOG Container.



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Quick Release Lid
The FilterShield™1000s Lid simply clips in place and is quick to remove when a service is required. The Stainless Steel Toogle Latches hold the Lid in place to stop any liquid splashes or odours escaping from it.



Filter Basket
The Filter Basket collects any solid contaminants that pass through the arterial drainage line. The perforated design allows liquids to pass through and de-waters any solids that are collected. The basket is easy to remove and clean.

Self Levelling Adjustable Feet
The FilterShield™1000 is supplied with self levelling adjustable feet. These feet can raise the height of the FilterShield™1000 by up to 120mm (4.7")

Pull Out Drawer
The FilterShield™1000 features a pull-out drawer that holds the Filter Basket. This allows it to be installed in areas where access from above is limited or restricted. The ball bearing drawer runners provide a smooth motion and also lock it in place during normal operation



Downpipe Inlet
The FilterShield™1000 has a Downpipe inlet design which helps to control the flow and distributes it into the base of the filter basket. This assists with the solid separation and de-watering processes. The liquid effluent passes through the perforated holes and the solid contaminants are retained in the basket.

Secondary Filter Plate
The FilterShield™1000 has a secondary filter plate in the base of the tank, before the outlet. This is to prevent any Solids Waste from passing through if the Filter Basket is not in place or the drawer is left open.

