

# Operations Guide - GreaseShield® 1000-Defender

## FilterShield™ 2000

Solids are collected and de-watered in the removable FilterShield 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™ 2000 can be found on page 2 of this document.

## Automated Self Cleaning

Upon activation clean hot water is added into the GreaseShield®, via a WRAS approved water solenoid valve. This action, agitates and circulates the effluent preventing build of fine sediments in the tank.

(Additional cleaning cycles can be added upon request)



## Normal Operational Times



The standard operation times for a GreaseShield®1000 is from 07:00 hrs until 02:30 hrs.

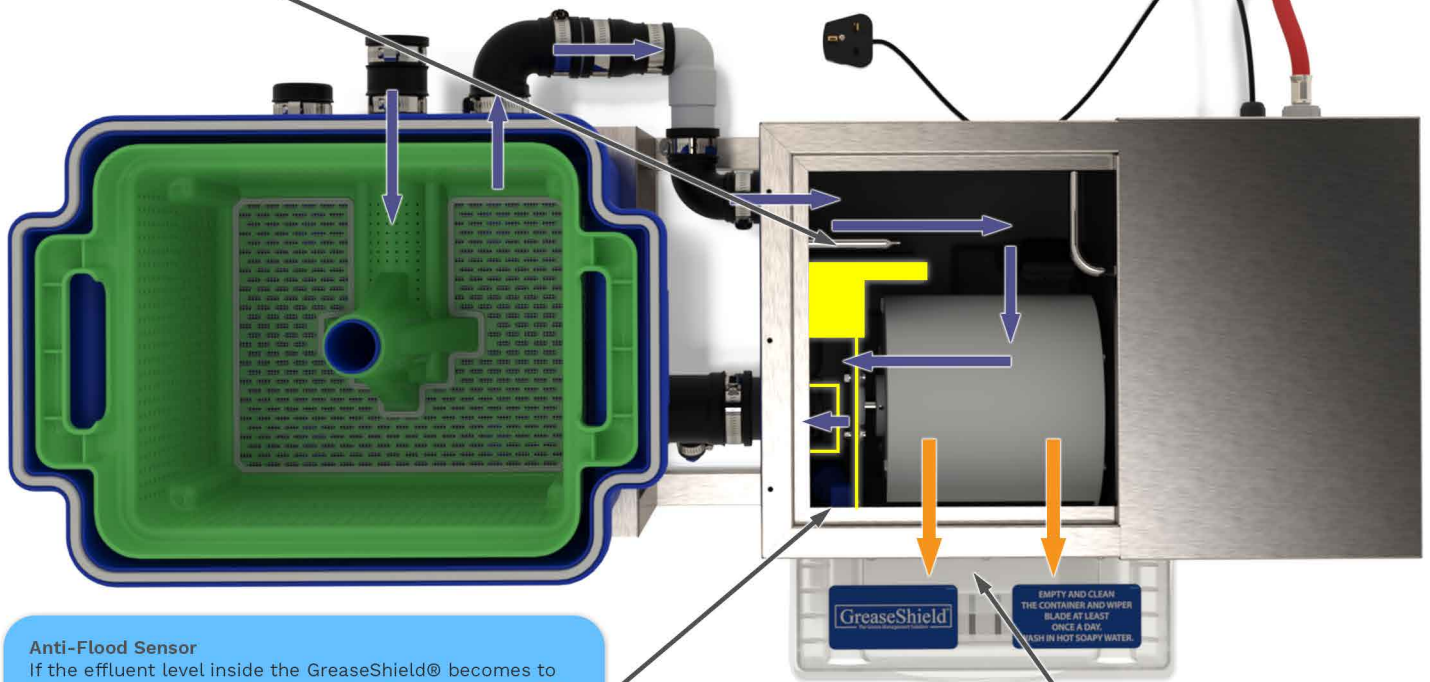
**Grease Removal** - 5 minutes on followed by 5 minutes off for the duration of the operational period.

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

(These operation times can be adjusted upon request.)

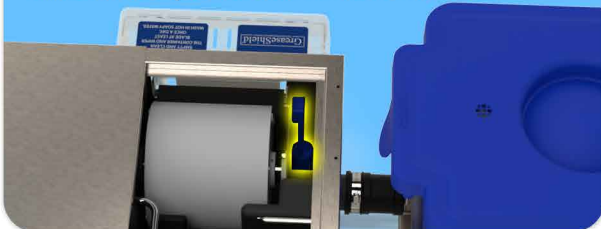
## FOG Container

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.



## Anti-Flood Sensor

If the effluent level inside the GreaseShield® becomes too high, a pressure sensor is triggered, activating a pump. This pump extracts Grey Water from the bottom of the tank and sent directly to the drain via the normal outlet.



## 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™'s 2000 Lid simply clips in place and is quick to remove. The silicone seal creates a water tight fit to stop any liquid splashes or odours escaping from it.

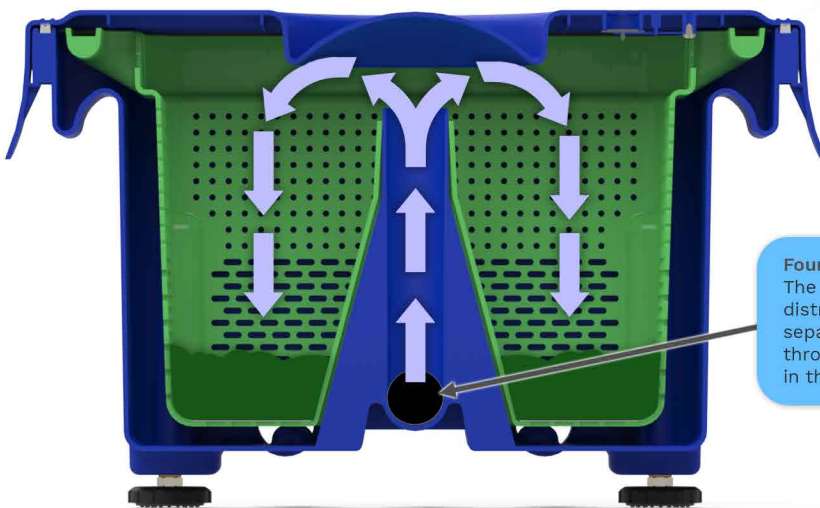


**Filter Basket**  
The filter basket collects any solid contaminants that pass through the arterial drainage line. The perforated design allows liquids to pass through and de-waters any solids that are collected. The basket is easy to remove and clean.

**Adjustable Defender Hygiene Stand**  
Stainless Steel stand with adjustable self levelling feet. Raises the height of the GS1000-Defender by 50mm (2") to allow easy access for cleaning. The FilterShield™ bolts onto the stand for added stability.



**Dual Outlet Tank**  
The FilterShield™2000 features a dual outlet design that allows the user to choose which outlet to use depending on the orientation of pre-existing plumbing and equipment.



**Fountain Inlet**  
The unique fountain inlet design helps to control the flow and distribute it within 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.



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