

MAINTENANCE GUIDE

Biomass Greasetraps

GENERAL

The *Biomass Greasetrap* is an oil and grease separation and treatment plant. A Biomass is created inside the Greasetrap and the microbes digest the grease/oil changing it into mainly water and some carbon dioxide. The Biomass need regular feeding and replenishment. Two replenishment systems are used: 1) An Automatic dosing pump injects *BioFluid* every night. 2) A *BioSock (or several)* hang from a cord inside the grease trap and needs to be replaced every 4 months. Grease and oil is separated from the waste water and retained within the *Biomass Greasetrap* until degraded by the microbes. There is therefore normally a layer of grease and oil floating on the top of the water inside the *Biomass Greasetrap*, this can be up to 50mm thick. Sediment is also separated by the *Biomass Greasetrap* but passes through and is treated by the microbes downstream.

WARNING

The microbe colony inside the *Biomass Greasetrap* is delicate. **Do not allow concentrated bleach or other strong chemicals to get into the drainage system.** We recommend the use of environmentally friendly cleaning agents to protect the microbe colony.

If the Biomass Greasetrap begins to smell then the microbe colony has been partially or completely destroyed, in which case increase the dose of *Biofluid* for a few days or replace the *Biosock*.

WEEKLY CHECK

Every week during the first few months of use, the **Biomass Greasetrap** lid should be opened and checked that the grease layer is less than 50mm thick by disturbing the surface layer. If the grease layer is thicker than this 50mm, a choice must be made between removing some of the grease manually, or increasing the microbe strength by increasing the number of *BioSocks* or the *Biofluid* dose. Check that the *Biofluid* level is sufficient for more than one week or order a replacement drum.

EVERY FOUR MONTHS

Every 4 months the Lid should be removed from the *Biomass Greasetrap*, and the inside examined for the following points:-

1. Is the grease layer less than 50mm?
2. Is the sediment at the bottom of the tank less than 75mm thick?
3. Is water able to flow freely through the *Biomass Greasetrap*?
4. Is there sufficient *Bio-treatment* left in stock to last another 4 months.

If all the above are satisfactory then the *Biosock* (if fitted) should be removed from it's hook and replaced with a new one and the lid replaced.

Should the grease layer or sediment layer be too thick then we recommend that either some grease should be pumped or scooped from the surface, or the whole tank be emptied, cleaned and re-filled with clean water. Then the *Biosock* (if fitted) should be replaced or the dosing pump prime button pressed for 6 minutes.

Good maintenance practice is to empty and clean the Greasetrap annually.

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