Maintenance*
of grease and/or starch separators

Reminder

The network temperature should never exceed 30 °C.

Do not use a scraper, a scraper damages the unit's walls.

Some units have compartments:
0 compartment => starch separator,
2 compartments => grease separator and grease and starch separator.

Unit maintenance involves draining and cleaning different compartments.

The grease alarm (optional) can detect unit saturation and trigger draining at the correct time.

The unit must be emptied at least every 2 months by a specialist company[1].

The drain intervals directly influence unit sanitation capacities, so pipework clogging.

The guarantee conditions can only apply on presentation of drain reports by a specialist company.

Example of a grease separator needing to be emptied

Draining a unit without a drain column:

Open the unit,

Break the grease layer (if there is a grease compartment) if solid to pump the grease lumps,

Pump the contents of the separator compartments,

Rinse the walls with pressurised cold water,

If there is a starch compartment, check that the spray nozzle is not blocked,

ALWAYS refill the unit with water then close the cover again (risk of unit deformation). The AG grease alarm option can also detect a lack of water in the tank.

Detail of spray nozzle for starch inlet

Draining a unit with a drain column:

Draining uses a pipe installed in the unit and to which the vacuum truck can connect directly using a symmetrical connection (called a “firefighter connection”).

To drain:

Open the unit,

Break the grease layer (if there is a grease compartment) if solid to pump the grease lumps,

Pump the contents of the separator compartments,

Rinse the walls with pressurised cold water,

If there is a starch compartment, check that the spray nozzle is not blocked,

ALWAYS refill the unit with water then close the cover again (risk of unit deformation). The AG grease alarm option can also detect a lack of water in the tank.

Vacuum truck required to maintain your unit with drain column

[1] *for more information, see the standard EN 1825•2.*

Maintenance* of grease collectors

Mini GR stainless steel grease collector

⚠ The reference guide remains the one supplied with the unit

Daily maintenance is required depending on the pollutant load sent to the unit. To make maintenance easier, a grease drain valve, outlet isolation valve and complete drain valve are supplied with the unit.

"Peelings":

The "peelings" basket must be checked and potentially emptied every day.

1 - Remove the cover.
2 - Check for waste.
3 - If there is any waste, remove the "peelings" basket from its holder.
4 - Empty it into the bin provided for this purpose.
5 - Rinse the basket with hot water.
6 - Place the basket back on its holder.

Grease:

To drain grease trapped on the surface of the MiniGR:

1 - Open the cover.
2 - Place a container under the grease drain valve.
3 - Close the outlet isolation valve.
4 - Open the grease drain valve. Note that this valve can be fitted on the left or right of the outlet. Do not forget to tighten the stopper.
5 - Gently open the very hot water inlet at the sink or one of the kitchen dishwashing sinks. The water level will rise in the MiniGR; grease will flow through the drain valve into the container. Monitor the process by looking inside the unit.
6 - Close the water inlet once all the grease has flowed into the container.
7 - Close the grease drain valve.
8 - Open the outlet isolation valve.
9 - Remove the container and empty the grease into the appropriate bin.

Complete cleaning:

You can completely drain the unit.

1 - Fit the unit to a drain siphon or position a container under the drain valve.
2 - Open the drain valve.
3 - Clean inside the unit using hot water.
4 - Close the complete drain valve.
5 - Refill the unit with water up to the outlet level.

Maintenance* of storm water treatment units or treatment units for

Reminder of safety instructions

Always perform maintenance activities in pairs. Never work on the unit alone.

Secure the working area: work indication, traffic diversion (if necessary), protection for open covers.

Remove the covers and wait at least 15 minutes before entering the storm water treatment unit.

Do not use any equipment likely to generate sparks inside the storm water treatment unit, or any incandescent object (cigarettes, lighters, etc.).

The person performing maintenance inside must be connected to a rope to avoid any accidental fall inside the unit.

Clothing soiled during maintenance work should be dropped off in the areas provided for this purpose.

Thoroughly clean and disinfect any wounds or cuts (no matter how small) and contact the site's medical department which will determine the appropriate treatment.

Note: the safety instructions indicated above are not exhaustive. The professional performing maintenance should refer to the prevailing safety rules.

Maintenance activities

1- inspections:

Inspections are strongly recommended each quarter, following exceptional rainfall or in the event of an accidental discharge:

Retrieve floating material in the grit trap as often as needed.

Clean the screen.

Check for light liquids in the 1st and/or last compartments and whether the AlvéEau filter is clean.

Check the condition of the decantation cells using the openings above the AlvéEau filter. If the sludge lay is larger than 5 mm, drain the unit and clean the cells using a high-pressure jet through the top of the decantation cell.

Check the amount of grit: if the settled materials reach 1/3 of the height of the storm water treatment unit, drain the grit trap by inserting a drain pipe into the bottom of the compartment.

Unit with a sludge alarm:
Clean the sludge probe using a cloth, replace it and check if the sludge level in the tank stays below the trigger level. If the alarm triggers (sludge level less than 200 mm under the filter), drain the unit using the drain column provided in the grit chamber primer (optional for NV and NVB type storm water treatment units).
If saturated, drain the compartment and fill with clean water.

Note: The chamber separating the first 2 compartments has a removable hatch enabling access under the filter in the extreme situation of complete saturation of the unit.

2- full draining:

It is strongly recommended to fully drain the unit once a year if there is no sludge alarm, or at least once every 2 years if there is a sludge alarm.

Retrieve any light liquids on the surface using a pump.

Clean the screen.

Pump the grit chamber by inserting a suction pipe directly into its base.

Pump the decantation filter compartment using the drain column (optional for NV and NVB type storm water treatment units) located in the grit chamber primer.

Clean inside the unit and the decantation filter using a high-pressure jet before draining fully.

Check the condition of the coating and touch up if needed.

Unit with a sludge alarm:
Clean the sludge probe using a cloth, replace it and check that it is working properly (see corresponding file). Refill the unit with clean water.

Note: The chamber separating the first 2 compartments has a removable hatch enabling access under the filter in the extreme situation of complete saturation of the unit.

Effluent from the unit will be taken to an approved treatment unit with a BSDI (Industrial Waste Tracking File) or any other document approved by the local authorities.