



GREASE TRAPS



The **GT1** underground grease trap is designed as a passive grease trap. This passive design works by simply slowing the flow of wastewater, allowing it to cool and separate into 3 layers within the trap; FOGs, solids and clear water. The FOGs form a “grease layer” at the top of the unit. Solids and food waste, being heavier, will drop to the base of the unit. The GT’s vertical chamber design enhances the separation process, offering greater settlement and storage of solids and sludge.

FOGs - Fats Oils and Greases, have a specific gravity, less than the retained water in the unit and so as the waste water enters the trap, it will then begin to separate from the water and FOGs will float to the top water level. This is known as 'Gravity Separation' which is a the proven design that all passive grease traps work on.

For a Grease Trap to function successfully, there are 3 key areas to its performance, which are :

Volume: Which needs to be a minimum 240 litres to meet European Standards and gives the trap and design to allow for separation of FOGs. Smaller volumes than this will not offer enough time in the unit to effect the gravity separation and so, much of the FOGs, will pass straight through into the downstream drainage, causing blockages and furthermore, if installed before a sewage treatment plant or septic tank, it will significantly effect the performance.

Location and Ventilation: So that the wastewater from the facility has a chance to cool down before entering the trap, we suggest that it is placed a minimum of 3 metres away from the final sink or discharge point and that the trap is connected to a vent stack. If located inside a building, then a sealed access cover will need to be used to prevent odours.

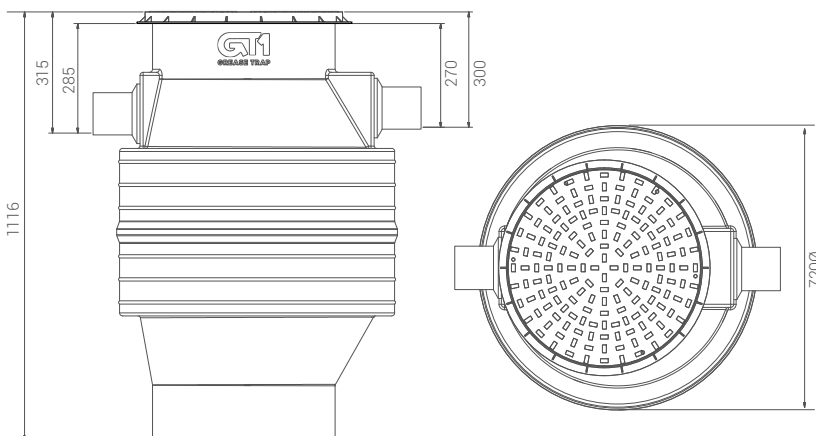
Maintenance: Regular checks must be prescribed for the grease trap, to check the levels of FOGs and more so the solids, which without pre filtration will build up quickly in the trap and can blind the outlet ports, which in turn will effect the drainage system up stream to back up and flood.

We recommend weekly inspection and a minimum 6 monthly, full clean and emptying, which could be more regular, dependant on the type of facility the trap is installed.

Full maintenance should be carried out by a recognised /authorised contractor.

FEATURES & BENEFITS

- Single Piece - Fully fitted - factory built unit
- Robust rota moulded polyethylene body
- Vertical chamber enhances separation
- Chemical & Corrosion Resistant
- Supplied with lockable access cover
- Quick and simple to install
- Meets BS EN 1825 Standards
- 60 year Design Life
- Recyclable
- Manufactured in the UK



INSTALLATION



VOLUME	WORKING CAPACITY	SLUDGE STORAGE	STANDARD PIPEWORK	ACCESS COVER RATING	APPROX. WEIGHT
Litres	Litres	Litres	mm		kg
300	255	75	110	A15	20