

## Grease Trap Installation

### Movement of the Commercial Grease Trap/Separator

It is the responsibility of the contractor to undertake the installing of the unit, as per manufactures instructions. If the unit is to be installed in a traffic area a qualified civil engineer should design a separate load bearing slab and re-enforced base of hard core, metal grid support and concrete. The tank must be fully lifted off the ground for movement, do not drag the unit along the ground. The unit needs to be chocked to prevent movement or rolling when on the ground.

Use only web straps to lift the tank do not use chains, cables or wire ropes in contact with the tank. The weight of the tank is not evenly distribute along its length, so time needs to be taken to ensure the straps are evenly distributed to prevent movement or slippage.

### A lifting beam is to be used for tanks over 8m long.

For Separators of 1.9m diameter a 250mm concrete base and full surround is required, for 2.5m & 3m diameter a 200mm concrete base and full surround is required. A full surround means to the top and around the turrets, access points, and inlet & outlet points. Ground water must be controlled and prevented during the installation, even when the tank has been strapped or anchored failure to do so will damage the shell and invalidate all warranties. For high water and wet sites increase the concrete base and surround by 150mm, please be aware mass concrete has a minimum density of 2,300 kg/m<sup>3</sup>.

The choice of concrete is the responsibility of the installer and should be chosen to suit local ground conditions. In normal conditions with non-aggressive soils, a concrete with a 28 day compressive strength of 20 to 30N/mm<sup>2</sup> with a 25 to 50mm slump, this must adhere to the relevant BS EN, normally is suitable. If in doubt seek specialist advice prior to installation. When pouring the concrete around the Separator, please ensure the maximum pressure of 15kN/m<sup>2</sup> around the plant is not exceeded the concrete should never be poured directly on to the tank. Do not use vibrating pokers. Ensure the excavation is dry and safe with sloped surrounds and shuttering be used to safeguard the installation.

Please ensure the Separator is dead level at all laterals. Evenly fill each chamber of the tank with clean water to a depth of 700mm continually visually check the pipework levels and connections. Backfill evenly around the tank with concrete ensuring no voids are present especially around the bottom of the tank shell and ribs. Continue filling the Separator chamber(s) with water whilst evenly backfilling and pouring the concrete around the tank ensuring that the water level is no more than 300mm above the concrete level. Ensure all turrets and access covers are sealed to prevent concrete entering the plant. Use framework around the turrets to prevent distortion and damage to the tank.

### Marsh Grease Trap Separator Minimum Cover mm

UP Tank Diameter	With Loading	No Loading
1900	1000	500
2500	1000	500
3000	1100	600



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