



GreaseMaxx

Installation Manual

Overview

The GreaseMaxx system has been designed for applications where collected water contains large amounts of dirt, sand, and other suspended particles. In applications such as vehicle wash bays, general wash down areas, and brush wash systems, you will need to collect any particulates prior to discharging the water into the drainage system. This is the primary function of the GreaseMaxx.

The GreaseMaxx comes in three different sizes allowing you to have a modular (twin or triple) approach to your specific application. Each GreaseMaxx chamber is manufactured in the U.K. from high-grade MDPE to ensure a robust and secure system that will give you many years of trouble-free usage. All internal pipework is supplied with each GreaseMaxx.

Guidelines

All installation instructions are for guidance only, it is the sole responsibility of the contractor to ensure that the installation is in accordance with the prevailing ground conditions and good building practice to eliminate any damage to either the pump station or pipework during or after installation. If you have any questions about installation please call us on 0115 9444474 for further guidance.

Location

The GreaseMaxx requires routine maintenance, therefore it is important that careful consideration is taken when selecting your position so that you have permanent access to the system.

Health and Safety

In order to reduce the risk of accidents when installing or servicing your pump station it is important that all workers are fully trained, competent, and use the correct equipment and tools. They must also follow U.K. guidelines as outlined below:-

Do not work without a risk assessment being undertaken

Work in accordance with control measures
Ensure a first aid kit is easily accessible

Warranty

All DPT systems come with a 12 month manufacturer's warranty. This warranty only covers any defects in workmanship, construction, or material. This warranty does not cover any defects caused by incorrect installation, installer error, abnormal working conditions, misuse or neglect. Any defects or malfunctions should be reported to DPT immediately to avoid any damage to other components.

All broken components must be sent to DPT at the customer's cost. We exclude all liability for any damage or losses which may occur. We will not be held liable if the pumping fails due to it having been installed or specified incorrectly.



Installation

For a successful installation please follow the suggested guidelines below: -

- Select a suitable location for the GreaseMaxx
- Check that no other structure - or special access - is required over the selected spot.
- Check that no underground cables, pipes or service ducts lie beneath.
- Excavate the minimum opening in the ground to receive the tank and pipework to be used. If a machine is used to remove the soil, the sides of the excavation should be battened for stability and a sump left in the one corner for dewatering purposes.
- The depth of excavation needs to be at most 500mm deeper than the overall tank (plus extra roof slab - if applicable) depth. This extra depth is required to allow for the construction of a hardcore/concrete base. If the excavation is dug by hand, the sides will require shoring up for safety, to prevent earth slippage.
- Some clean hardcore should be placed and consolidated in the base of excavation. Usually, this will need to be about 200mm thick.
- Lay concrete (minimum grade 25) to a minimum thickness of 150mm on top of hardcore. Compact well down.
- Lower the tank onto the damp concrete base, allowing the base feet/mouldings (if fitted/feet not fitted on tanks smaller than 1m diameter), to settle in. Ensure correct orientation of the inlet/outlet pipes and other connections.
- Fill the tank with approximately 700mm of water.
- Pour concrete surround in situ to a thickness of approx. 100mm and to a height of 600mm from concrete base using minimum grade 25 concrete. The concrete must be evenly poured around the tank periphery, and must not exceed the depth of water in the tank. The concrete should be vibrated to leave no voids. Care must be taken to ensure that any pipes (or other connections) made are not damaged. Concrete will secure into position any pipes that have been connected. During concrete pour, ensure that the tank is vertical (by use of a spirit level across the tank's opening). Additionally, ensure that the tank is at the correct depth level. Allow this concrete "anchor" to set.
- DO NOT REMOVE THE WATER FROM THE TANK We recommend that the tank is fully enclosed in concrete to provide extra support. THE CONCRETE MUST BE EVENLY Poured AROUND THE TANK PERIPHERY AND MUST NOT EXCEED THE DEPTH OF WATER IN THE TANK - THE WATER LEVEL SHOULD BE GRADUALLY RAISED (CONSISTENT WITH THE INCREASING LEVEL OF CONCRETE Poured) AND SHOULD REMAIN 100MM HIGHER THAN THE CONCRETE BACKFILL. LEAVE THE WATER IN THE TANK UNTIL THE CONCRETE HAS SET FULLY.
- Make connections of site pipework.
- (If required) construct concrete cover slab (with access opening) of maximum 200mm thickness, ensuring that the slab is supported by consolidated backfill.
- The access cover/frame would have been supplied unattached from the tank. Set frame into concrete cover slab or onto brick courses.