

Thank you for purchasing a quality trade waste product from CV Plastics Pty Ltd.

To ensure the maximum life span of your product, please be sure to follow the installation procedures set out below.

Above ground Grease Interceptor installation procedure

Installation must be carried out by a licensed plumber only.

A location must be chosen that will not impede vehicle or pedestrian traffic. Where a vehicle may come into contact with the grease trap, steel bollards must be installed in a manner that will prevent the vehicle from causing damage to the grease trap, and must be installed to the relevant standards.

The ground surface must be concrete and must be completely level and free from inconsistencies and protrusions. Dirt, gravel, compacted sand, paved areas or any other surface is not suitable. If a concrete pad is to be poured it must be a minimum of 100mm thick and have 16mm reinforcement bar or mesh throughout. The size of the pad must be at least 100mm larger than the grease trap on all sides. The concrete slab must be in a position so as not to allow storm water from eroding the medium underneath the concrete slab, or a drainage system must be installed.

The grease trap shall not be in direct sunlight. The unobstructed height above the grease trap should be equal to or greater than the total height of the grease trap for testing and maintenance purposes.

All connections to the grease trap must be appropriately supported. The connections on the grease trap shall not bear any weight of the connected pipes, and must be in accordance with all of the appropriate authorities. The outlet shall be trapped and allow for water sampling with a capped inspection opening.

Inlets, outlets and venting connections shall not be retrofitted in any manner whatsoever unless the works are completed by staff from CV Plastics Pty Ltd.

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Below ground installation procedure

Installation must be carried out by a licensed plumber only.

Any below ground installation in a water charged or otherwise unstable medium must be appropriately inspected and approved by a suitable Engineer.

The grease trap must be carefully handled by at least 2 people. The main construction should only be lifted from underneath the tank only. Lifting by the top lip may damage the unit. Do not store the grease trap on its side. To store the unit for any period of time, the ground must be smooth and level. Do not leave the grease trap in direct sunlight for long periods of time. The material is UV stable although the design does not allow for such temperatures for prolonged periods, and the base or walls may warp due to these temperatures.

All units to be installed below ground level must be surrounded (including the base) with a minimum of 100mm of vibrated concrete. 16mm steel reinforcement bar must be inserted into the holes provided on the external vertical ribs of the grease trap, before lowering the tank into the excavation. The reinforcement bar should extend past the two ends of the grease trap. Where more than 250mm of concrete is required around the walls of the tank (due to over-excavation or other reasons) steel mesh must also be used in conjunction with the 16mm bar.

Where a medium or heavy duty cover is to be installed, steel mesh must be used at the base of the excavation. Once the tank is in position, timber bracing is to be fitted inside the grease trap to stop the walls bowing inward while the concrete is being poured. Under no circumstances is the grease trap to be filled up with water prior to the concrete around the tank being set.

Rubber joiners must be used on all connections of the grease trap to allow for some ground movement. All connections must be in accordance with the appropriate authorities. The outlet shall be trapped and allow for water sampling with a capped inspection opening.

The mating surfaces between the steel covers and the steel frame must be greased with suitable waterproof grease before being installed. Place the steel frame with covers in place, on the top lip of the grease trap. If it is a large cover, the frame may be positioned first, then install the covers one at a time. The concrete may then be poured around the tank and inside the covers. When screeding the concrete in the covers, be sure to leave the information plate visible at the top surface (finished ground level) and do not leave any ledges or other inconsistencies that may cause a trip hazard. Be sure to vibrate the concrete every 400mm down the sides of the grease trap or as per equipment recommendations. When the concrete has cured, lift out the covers, remove the timber bracing inside the grease trap, and regrease all mating surfaces with waterproof grease. Do not mix up the covers as they will only fit back into the frame the same way they came out.

Operation and Maintenance

Housekeeping Procedures

The contractor is to remove all covers of the grease trap on both above ground and below ground grease traps. On below ground units, a suitable safety perimeter must first be established to protect any people in the area from falls.

The pump hose is to be inserted into the grease trap through the opening in the top of the tank and pumping is to be started. Once it is empty, the grease trap must be completely cleaned down with a broom or brush, including the baffles, pipe work, walls and the base, then hosed down with clean water and pumped out once more. The internal standpipe must be checked for obstructions through the inspection opening at the outlet end.

Before replacing the covers on the above ground tanks, the threaded parts of the circular covers must be cleaned and lubricated. This is to prevent binding of the covers next time it is to be serviced. The below ground steel covers should also be cleaned and all mating surfaces should be smeared with a layer of waterproof grease.

The external walls and covers of the above ground grease traps should be cleaned down and sanitised after a pump out.

Remote pump out lines will not be permanently fixed to the grease trap. Instead a remote pump out line should terminate near the grease trap with a 50mm cam lock fitting. The contractor is to connect the flexible hose to the cam lock and pass it through the opening in the top of the grease trap. This is to ensure that the contractor actually lifts the covers of the grease trap and follows the clean out procedure as per the instructions above.

Once the pump out is complete, all necessary documentation should be completed.

Maintenance Schedule

The grease trap must be pumped out by an appropriately licensed waste removalist only. Pump outs must occur before the floating layer of grease and oils becomes greater than 75mm or as deemed necessary by the governing water authority, whichever comes first. At a minimum, the grease trap must be pumped out and cleaned at least every 3 months.

Cleaning Procedure

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