



**ALLTRAP**  
ENGINEERING cc

# GREASE TRAP

INSTALLATION MANUAL &  
WARRANTY

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Manufacturers of grease and  
oil separators and rainwater  
harvesting

All grease trap's to be installed by a licensed plumber in accordance with the relevant Plumbing Codes of Practice.

### A) EXCAVATION

1. Excavation for the installation of our below ground grease traps must conform to local excavation codes and standards. Topsoil removed during excavation should NOT be used as approved backfill material. The excavation must be free from any hard or sharp material that may cause damage to the grease trap. (Care shall be taken during installation that foreign matter is not introduced into the excavation or backfill)

2. Excavation should extend at least 300mm around the perimeter of the tanks providing sufficient clearance for installation where required. If the bottom of the excavation provides an unsuitable foundation, additional excavation may be required.

3. In areas with a high water table, continuous dewatering must be provided to ensure that the excavation is stable and free of water.



### B) INSTALL AND LEVEL GRANULAR BASE

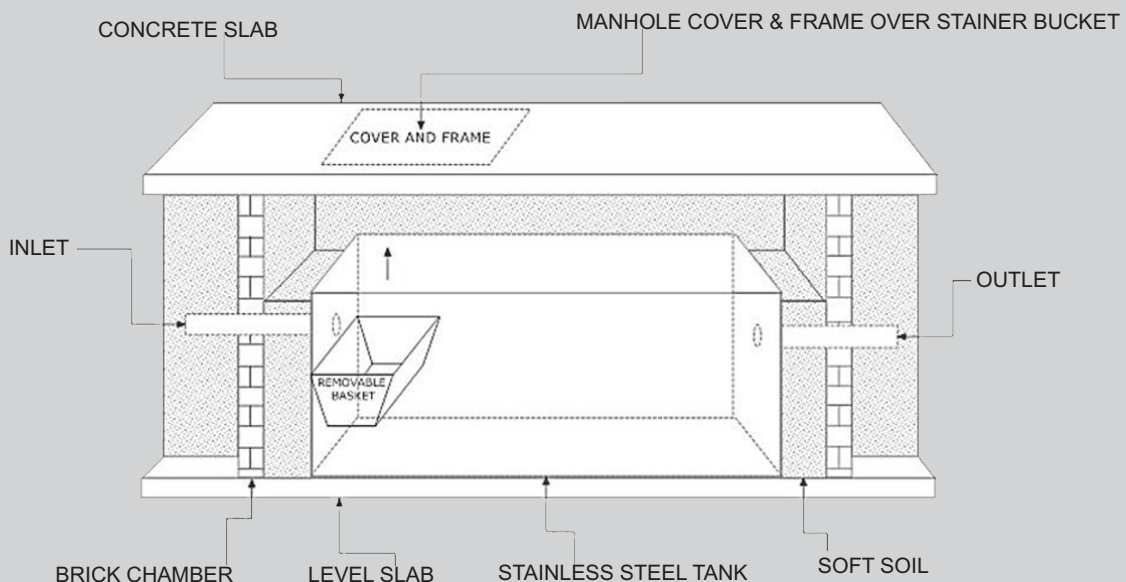
1. A +/- 150mm layer of pea / fine gravel (or approved equivalent backfill compacted) must be installed, levelled, and compacted at the bottom of the excavation to the proper elevation for the installation of the grease trap base.

2. Install and level the tank.

**IMPORTANT:** Equipment to lift the units must be of adequate size to lift and lower the tanks without dragging and dropping to ensure no damage. Make use of adequate lifting straps.

### C) FILL THE GREASE TRAP WITH WATER UP TO THE OUTLET PIPE

**IMPORTANT:** Any material left behind from installation (e.g. mortar, soil,...) must be removed prior to filling the tanks with fresh water.



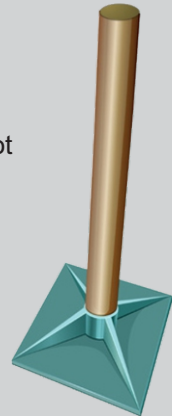
# Installation Manual

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## D) GRANULAR BACKFILL TO THE INLET AND OUTLET PIPES

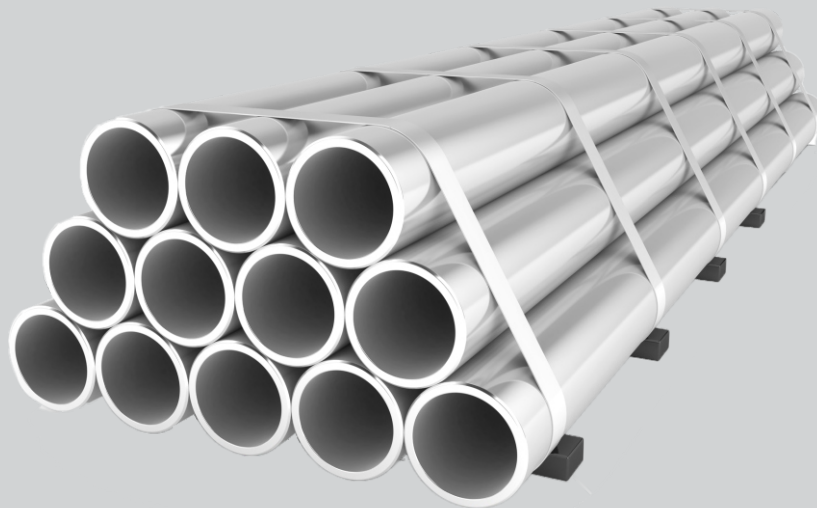
Compacted Pea Gravel (or an approved equivalent backfill compacted to 98% of Standard Proctor Density in each layer) must be placed in uniform layers of 150mm (6") to not more than 200 mm (8") in depth up to the bedding for the inlet and outlet pipes.

**Note: Backfill is not to contain topsoil.**



## E) INLET, OUTLET AND VENT PIPES

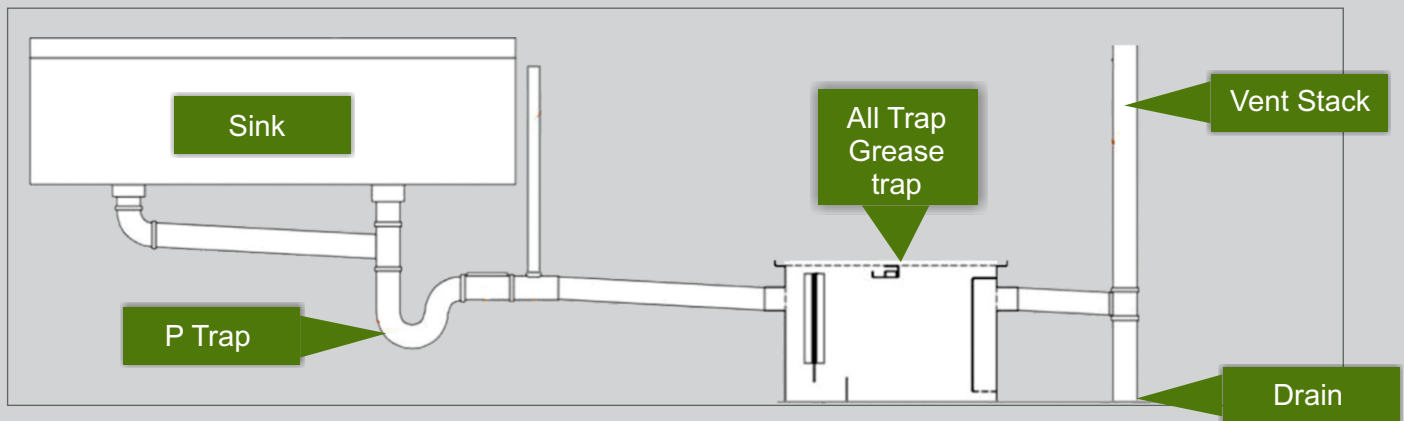
Install standard pipe bedding for the inlet and outlet pipes per the sewer design. Attach inlet and outlet pipes to the unit.



## F) FRAME AND COVER

Place the frame above the opening to match the top of grade elevation. Make sure the frame is not in direct contact with the top of the Tank. A gap of 1" to 2" is required to prevent the vertical load transfer from the frame to the tank. Pour concrete around the frame to secure it in place, size to be determined by Engineer or local code based on site use.





Under - Counter Grease Trap

### A) Determine the size of the Grease Trap

Grease trap size will vary from one model to another. The size needed for a home or a business depends on the quantity of wastewater that usually passes on the drainage pipes. For restaurants that wash greasy dishes regularly, a grease trap with a capacity of 40 KG is best. For residential use, a grease trap with a smaller capacity is okay. However, if one wants to have a trap that won't need cleaning for a longer period of time, a larger trap can be a good option.

### B) Determine where to install the Grease Trap

The best location for grease trap installation is under the sink, but it can also be installed outside of the house. External grease trap installation is best for homes with several sinks because the drainage pipes can all be connected to the one common pipe and fitted to the grease trap.

### C) Connecting the Grease Trap

There are three connections on the device. One will be connected to the holding tank vent. This vent is purposely for flow control. Before connecting the device to it, plumbers recommend installing a clean out tee first. This will help clean out any debris that comes into the device. The second connection is designed to be connected to the sink or the source of wastewater. This is usually found on the left side of the device. Connect this after the vent connection. Lastly, secure the third connection to the pipe that leads to the sewage system, which is usually found on the lower right of the grease trap.

# Product Warranty

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**ALLTRAP ENGINEERING CC IS NOT LIABLE FOR ANY LABOUR, SHIPPING, OR OTHER INSTALLATION COSTS, AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, PUNITIVE, CONSEQUENTIAL OR OTHER DAMAGES IN CONNECTION WITH SUCH SEPARATOR INCLUDING, WITHOUT LIMITATION, COSTS, EXPENSES, OR LIABILITIES ASSOCIATED WITH ENVIRONMENTAL CONTAMINATION, FINES OR PENALTIES, FIRES, EXPLOSIONS, OR ANY OTHER CONSEQUENCES ALLEGEDLY ATTRIBUTABLE TO A BREACH OF THE WARRANTY OR DAMAGES UNDER DECEPTIVE TRADE PRACTICES OR SIMILAR CONSUMER PROTECTION ACTS. THE FOREGOING CONSTITUTES ALLTRAP ENGINEERING CC EXCLUSIVE OBLIGATION AND ALLTRAP ENGINEERING CC MAKES NO EXPRESS OR IMPLIED REPRESENTATION OR WARRANTY, OR ANY WARRANTY OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSES WHATSOEVER. NO EMPLOYEE OF ALLTRAP ENGINEERING CC OR ANY OTHER PARTY IS AUTHORIZED TO MAKE ANY OTHER REPRESENTATIONS OR WARRANTIES OTHER THAN THE WARRANTY SET FORTH HEREIN.**

This warranty is provided by Alltrap Engineering cc for products sold in South Africa.

Alltrap Engineering cc warrants that all locally manufactured oil and grease separators from Alltrap will be free from defects in materials and workmanship for a period of one (1) year following the date of initial delivery to the purchaser, subject to the terms and conditions below.

Alltrap Engineering cc further warrants that if the oil and grease separators are installed, operated, and maintained in accordance with Alltrap Engineering's instructions and applicable provincial and local regulatory requirements, the oil and grease separators:

## **GRADE 304 S/STEEL**

1. Will not leak for a period of 5 years from date of initial delivery due to natural external corrosion.
2. Will not leak for a period of 5 year from date of initial delivery due to internal corrosion.
3. Will not leak for a period of 5 years from date of original delivery due to structural failure, which shall be defined as spontaneous breaking or collapse.

## **GRADE 430 S/STEEL**

1. Will not leak for a period of 3 years from date of initial delivery due to natural external corrosion.
2. Will not leak for a period of 3 years from date of initial delivery due to internal corrosion.
3. Will not leak for a period of 3 years from date of original delivery due to structural failure, which shall be defined as spontaneous breaking or collapse.

### **All of the warranties herein are subject to the following conditions:**

1. The separator is used in the manner described in the warranty.
  2. There are no post-installations or repairs of the original separator.
  3. The original installation was performed following the manufacturers installation procedures by a trained contractor with all his/her required registrations, certificates and/or licenses, to complete the installation, repair or alteration in accordance with recognized industry practices and applicable regulatory requirements.
  4. The separator has been operated and maintained in accordance with regulatory requirements designed to minimize the possibility of structural failures and releases of regulated substances.
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# Product Warranty

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5. If the separator is re-manufactured, moved, or removed from the ground for any reason prior to the expiration of this warranty, the structural warranty protections will be terminated unless the separator is inspected, repaired (as necessary), and re-certified by Alltrap Engineering cc and, upon re-installation, the purchaser continues to satisfy the other conditions of the warranty.

6. The sole warranty for accessories, including but not limited to frames and covers, extension collars, alarms, pumps, valves, coalescers, pipes, strainers, etc. is that they are warranted for a period of one (1) year against defects in materials and workmanship from date of shipment.

7. Customer assumes the risk of and agrees to indemnify Alltrap Engineering cc against and hold Alltrap Engineering cc harmless from all liability relating to (i) assessing the suitability for Customer's intended use of the separator and of any system design or drawing and (ii) determining the compliance of Customer's use of the separator with applicable laws, regulations, codes and standards. For separators resold by Customer, Customer retains and accepts full responsibility for all warranty and other claims relating to, or arising from, Customer's separation system which includes or incorporates Alltrap's separator or components thereof manufactured or supplied by Alltrap Engineering, and Customer is solely responsible for any and all representations and warranties regarding the separation system made or authorized by Customer. Customer will indemnify Alltrap Engineering cc and hold Alltrap Engineering cc harmless from any liability, claims, loss, cost or expenses (including reasonable legal fees) attributable to Customer's separation system or representations or warranties concerning same.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

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Office: +2711 955 3132  
Cell: +27 82 697 5289  
Mail: shaun@alltrap.co.za  
Web: www.alltrap.co.za

Chein Street,  
Lewisham,  
Krugersdorp, 1740  
Gauteng, South Africa

