

Installation guidelines for grease traps

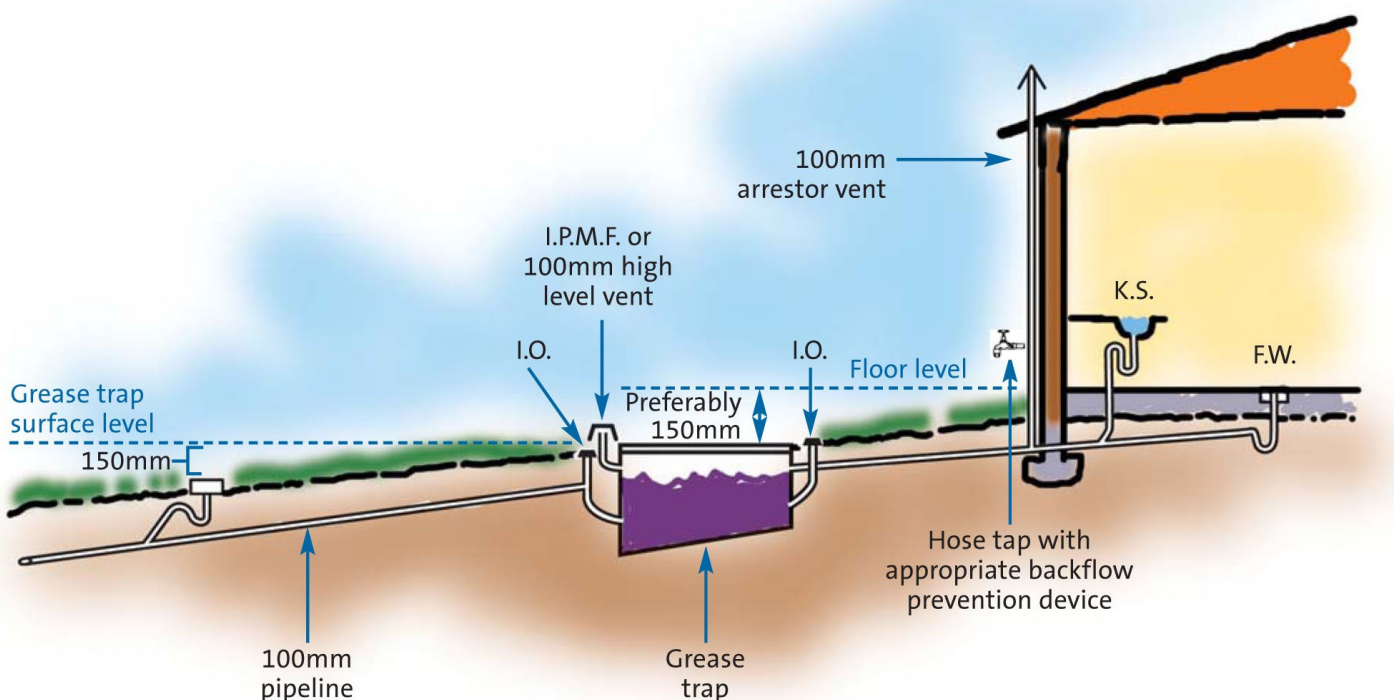
Plumbers have a critical role in correctly installing grease traps so they comply with Sydney Water's trade waste requirements. Incorrect installations allow greasy wastewater to discharge to the sewer where it can cause blockages and chokes.

The grease trap must be installed according to the manufacturer's instructions, Sydney Water's requirements, and the plumbing and drainage must comply with the *NSW Code of Practice* and the *Australian and New Zealand Standard (AS/NZS 3500)*.

Prior to commencing installation please contact a Trade Waste Customer Service Representative on 13 20 92.

It is preferable for grease traps to drain by gravity to the sewer. If the sewer grade does not permit a gravity connection, then the preferred design is to drain through the grease trap to a pump well and pump to sewer.

Preferable drainage layout for a grease trap installation



Important points to ensure correct installation

Location: Install the grease trap in a location that is accessible by vacuum tanker so it can be cleaned out.

Inlet connection: Connect the pump-line to a junction then to the double Y junction.

Outlet connection: The invert level of the outlet pipe of a grease trap must be correct. If the invert of the outlet is too low the grease trap will not be the correct capacity, it will be less than specified. If the invert of the outlet is too high the inlet connection may be submerged. The invert of the outlet pipe must be 150 mm lower than the invert of the inlet pipe.

Boundary trap: Boundary traps must be installed on all commercial and industrial properties with a gravity connection to sewer. If the property does not have a boundary trap and the customer has applied for a trade waste permit or consent, the customer will be required to have a boundary trap installed at the boundary or at the point of connection.

Backflow prevention: Install a cold water tap protected by a backflow prevention device within five metres of the grease trap.

Venting: Install two 100 mm vents for cross-ventilation: one on the inlet line to the grease trap and one on the grease trap.

Safe access: All above ground grease trap installations will require a platform and steps manufactured to *Australian Standard 1657-1992* for safe access to inspect and maintain the grease trap.

Compliance plate: Check that there is a compliance plate with a compliance number that is clearly visible on the grease trap. This ensures the equipment is authorised for the full range of conditions and wastewater on site.

Inspections: Following installation arrange an inspection by a Plumbing and Drainage Inspector. This is to ensure that the pipe-work is installed according to *AS/NZS 3500*.

Vertical clearance: Ensure there is vertical clearance above the grease trap that is greater than the maximum depth of the grease trap.

Lids: Install lids that comply with the Australian Standards.

Gully: The grease trap is not to be used as a relief overflow point. Install a gully in addition to the trap.

Reflux valve: Install a reflux valve if:

- the difference in levels between the overflow level of the lowest fixtures and the top of the relief gully is less than 150 mm
- the soffit requirements in relation to Sydney Water's sewer cannot be met.

In-sink bucket trap and in-floor bucket trap: Install an authorised in-sink bucket trap and in-floor bucket trap in food preparation and handling areas.

All food trade waste generating areas must be connected to the grease trap.

Always **obtain and follow the manufacturer's instructions** for correct installation.

Please remind the customer that:

- written permission from Sydney Water is required before discharging trade wastewater to the sewer.

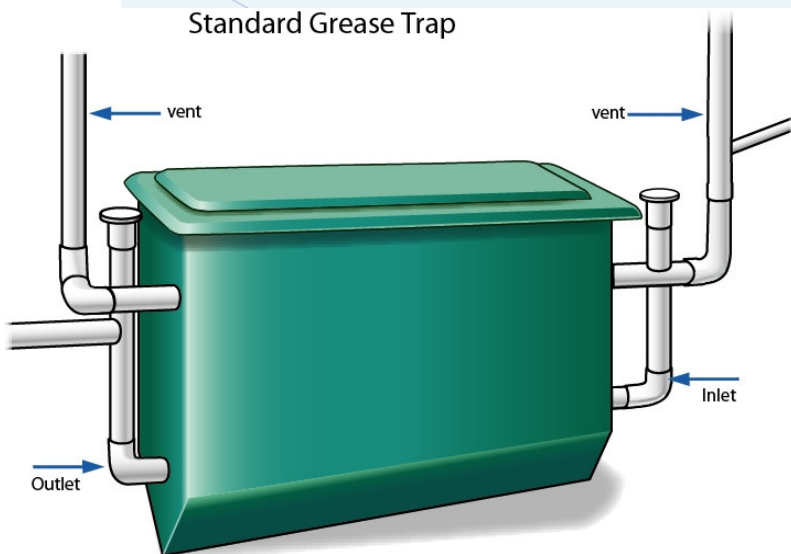
Provided these simple steps are followed Sydney Water will be able to approve the installation and issue a permit to the customer.

Additional information:

For schematic diagrams showing a variety of grease trap installations please refer to *Pre-treatment of trade wastewater from commercial customers* booklet.

For other information on how to meet Sydney Water's trade wastewater requirements visit www.sydneywater.com.au or phone **13 20 92**.

Standard Grease Trap



Please note: The support stand, the steps and the work platform have been omitted from the drawing for clarity. The design of the lid(s) for an above ground grease trap will vary between different manufacturers.