
Transportable, Factory-built Grease Trap for large scale wastewater treatment installations



When large scale commercial on-site wastewater systems are attached to remote accommodation units the management of kitchen (and other) greases (FOG) is critical. The clogging of collection pipes or sewage transfer systems are only one problem; more importantly the excess amount of grease (FOG) can also slow down or completely shut down the wastewater treatment process.

In response to these issues, ACPI has developed a large scale grease trap unit, housed in an insulated 20' ISO shipping container. The container has 2 doors on each end, allowing for a safe working environment and easy access for vacuum truck pump out.



There are numerous variables in any camp operation; the generation and composition of greases is not a very exact science.

- The 20' ACPI grease trap is designed to service remote accommodation units from 60 to 300 person occupancy.
- The 40' grease trap is designed to service remote accommodation units from 100 to 400 person occupancy.

Grease Trap Design:

- Two interconnected polyethylene tanks with a combined 10,000 liter liquid capacity (20,000 liter in 40' ISO unit).
- 16" airspace between top of liquid and top of tank to allow for accumulation of FOG and easy removal.
- Two large 21" diameter access lids to allow for easy vacuum truck access and pump-out.
- Multi-barrier system with integrated down-flow weir structure to separate solids and greases.
- Duplex Compressor c/w aeration diffusers are optional and can be installed as per customer requirements.
- Dual vortex-type transfer pumps (float controlled) to forward the pre-cleaned effluent to wastewater treatment unit.
- 30 AMP 110 / 240 power supply panel and power distribution

This unit is ideally suited for:

- Temporary work camp installations for oilfield, mining, exploration & remote research operations
- Temporary construction sites, spill clean-up sites
- Fire fighting camps or disaster relief camps

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