



GreaseTrooper®

Effectively Prevent Sanitary Sewer Blockages and Overflows

NWPX Park gravity grease interceptors (GGI), also known as grease traps, are designed to reduce the amount of FOG (fats, oils, and greases) in wastewater. Built to city and municipal specifications in sizes ranging from 500 to 20,000 gallons, the GreaseTrooper® GGI is available in a variety of options for both above and below ground installation.

The GreaseTrooper® relies on the principle of buoyancy and uses a series of baffles to separate and capture FOG before it enters sanitary sewer systems. Our grease interceptors can be equipped with a remote maintenance alarm and pump-out options, ensuring that the system is always in proper working order. NWPX Park GGIs are turnkey and pre-piped for quick delivery and easy installation, saving you time and money.

Applications

Restaurants • Industrial kitchens • Food processing •
Industrial facilities

Advantages

- Built to city and municipal specifications
- Sizes range from 500 to 20,000 gallons
- Remote maintenance alarm and pump-out options
- Precast concrete, stainless steel, or fiberglass models available
- Turnkey and pre-piped for quick delivery and easy installation
- Most models are UPC listed and IPC compliant
- Protective interior and exterior liners



Fiberglass Model



Precast Concrete Model



How It Works

The GreaseTrooper® GGI, also known as a grease trap, operates on the principle of buoyancy. Fats and oils have a lower density and naturally float on water. When wastewater enters a grease interceptor, the flow velocity is reduced, allowing the water to cool and separate into distinct layers. The grease separates and rises to the top of the interceptor, where it is captured using a series of baffles. Solids settle at the bottom, while clear water exits via an outlet baffle.

Over time, solids and grease accumulate. When the grease level rises to a 12" thick layer, an alarm sensor will alert the operator to contact a licensed wastewater disposal company to pump the interceptor. We recommend installing a sample well downstream to collect wastewater samples for measuring concentration levels of biochemical oxygen demand, total suspended solids, and FOG. These characteristics can determine the grease interceptor's performance.



Full product catalog available at nwpxpark.com/catalogs

System Components

Containment Vault: The shell of the unit can be constructed from precast concrete, fiberglass, or steel. Model names and configurations vary by material.

Access Covers: Made of cast or ductile iron to withstand vehicular traffic and provide an entry point for maintenance and cleaning activities. Watertight access covers resist water infiltration and provide odor control.

Interior Protective Liner: Chemical- and corrosion-resistant liners may be constructed of HDPE or epoxy, depending on usage.

Baffles: Leak-proof, monolithic baffles provide structural strength, slow down the flow of wastewater, and cause the FOG to rise to the surface.

Grease Collection Area: Area where FOG collects and is held until the interceptor is cleaned.

Vent: A vent releases air pressure and prevents the buildup of harmful gases.

Alarm Panel: A service notification alarm panel mounted on the wall to alert the user when it's time to schedule maintenance.

