

Steel
Model



GoTrooper®

Automatic Separator Removes Sediment and Hydrocarbons from Water

GoTrooper® Grit-Oil Separators are innovative and eco-friendly solutions for wastewater management, utilizing patented enhanced separation technology within a multi-compartment basin. This system efficiently separates sediment and hydrocarbons from water with heavier grit sinking, oils rising, and pollutants detained as clean water discharges.

The NWPX Park Grit-Oil Separators eliminate manual intervention and monitoring with their automatic operating functionality. The system consists of an aboveground oil-water separator with coalescing technology, an oil stop valve, and a monitoring control system for building automation. GoTrooper® is available in carbon steel, precast, or fiberglass construction and is a Uniform Plumbing Code (UPC) listed product.

The GoTrooper® protects public sewers, infrastructure, and the environment from harmful pollutants. It reduces maintenance costs and is compliant with environmental codes and regulations.

Advantages

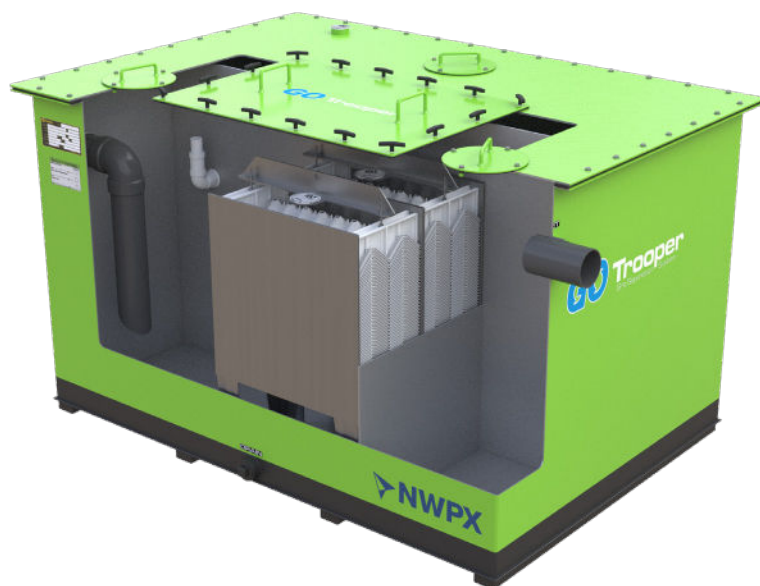
- Proprietary gravity separation technology
- Uniform Plumbing Code Listed (UPC)
- Built to local specifications
- Remote maintenance alarm
- Monolithic baffles for watertightness
- High-strength precast concrete, steel, or fiberglass construction
- Choice of interior protective liners
- Oil stop valve for spill control
- Sizes from 50–10,000 gallons

Applications

- Parking lots and parking garages
- Commercial and retail centers
- Airports, tarmacs, or runways
- Industrial wastewater treatment
- Municipal wastewater treatment
- Construction sites
- Car wash facilities



Precast Model



How It Works

The NWPX Park Grit-Oil Separator captures and retains free oils and solids in a two-stage process. In the first stage, inflow hits a corrugated diffusion plate which slows velocity and creates sinusoidal flow patterns that enable heavy solids to settle and oil to rise to the surface immediately. In the second stage, wastewater passes through a Coalescing Media Pack™ where finer solids and smaller oil droplets are separated progressively and heavy solids are separated and settle to the basin's bottom.

Before exiting the separator, the wastewater hits an oil dam, which prevents any collected oil from entering the outlet piping. Finally, an oil stopping valve is present at the exit piping to guarantee oil-free wastewater discharge.



Full product
catalog available at
nwpark.com/catalogs

System Components

Basin Structure: Constructed of precast concrete, fiberglass, or stainless steel.

Access Hatchways: Can withstand vehicular traffic and are corrosion resistant.

Oil Stop Valve: Protects from oil discharge due to separator maximum capacity or incidental oil spill.

Vent: Releases air pressure and prevents the buildup of harmful gases.

Sample Well Port: Allows for periodic testing to ensure compliance.

Remote Maintenance Alarm:
An automatic notification system with an oil-water interface sensor notifies the operator of maximum oil level capacity.

