



Solids Trooper^{PF}

PARTICLE INTERCEPTOR

Features

- Pre-engineered from 100-500 gallons
- Precast concrete, polyethylene, fiberglass or steel construction
- Custom screen sizes (down to 100 micron)
- Above or below grade installation
- Pedestrian or traffic rated
- Remote maintenance alarm
- Interior liners available
- Meets all building codes

Industrial Wastewater Interceptor System

The ParkUSA Solids TrooperTM interceptor can be used in industrial or commercial establishments to prevent potentially harmful liquids and debris from entering the public sanitary sewer. A particle interceptor should be installed in areas, as determined by the Authority Having Jurisdiction (AHJ), where pretreatment of waste streams is necessary. Some AHJs require the addition of screens or baskets that prevent solids greater than one-half inch (½") in diameter from entering the sanitary sewer system. In some cases, project requirements call for even finer separation.

The SolidsTrooper material interceptor consists of a multi-compartment basin and unique filtration technology for solids and liquid solvents separation. Typical applications for particle Interceptors include industrial and manufacturing facilities that generate waste streams containing solid substances like paint chips, solvents, waste grindings, glass, trash, dental waste, plaster, and ceramic waste.

The SolidsTrooper follows both the UPC and IPC plumbing codes. The SolidsTrooper can be equipped with a debris screening technology that prevents string, rags, buttons and other materials from entering the public sanitary sewer system.



WW | **SOLIDSTROOPER PF**
Standard



How it Works

The SolidsTrooper Model PF is typically located outside of the building and buried below grade. The wastewater exits the building via gravity flow and enters the interceptor. As the wastewater enters the interceptor's first compartment, the water flows through a proprietary filtration system to remove harmful particles and liquid solvents. The water exits through an outlet pipe positioned between the floating and settling layers. Neutral buoyant particles are further separated by the internal effluent screen.

The buried interceptor is typically constructed of precast concrete with an epoxy interior, providing years of continuous service. The interceptor contains disposable media filters for capturing harmful particles and liquids. The discharging effluent is comprised of the solids-free water.

To ensure maximum performance of interceptor, a sample well is recommended downstream of the interceptor. As its name implies, a water sample can be drawn and lab tested to determine harmful liquid content and interceptor performance.

Visit **SolidsTrooperPF.parkusa.com** for more information and design assistance.

To request a quote or catalog, visit **request.parkusa.com**.

System Components

The ParkUSA® SolidsTrooper Model PF contains the main components listed below:

Screen Filter: Contained in the STSC configuration, the screening filter offers enhanced separation for neutral buoyancy particles. Screens are available down to 100 microns. All sediment resides in the interceptor for period cleaning by a vac-truck service company.

Filter Bags: Contained in the PF configuration, the screening bags are removable for reuse or disposal. The collected solids and sediment may be disposed as solid waste depending upon composition.

Control System: Consists of NEMA 4X panel with service notification and an internal tank sensor for easy use by the end-user.

Interceptor Basin: The shell of the unit can be constructed from Precast Concrete, Fiberglass, or Steel. Model names and configurations vary by material.

SolidsTrooper PF is protected by US Patent #10,040,006

Options Available

Oil stop valve: designed to prevent oily water discharge

Hydrocarbon pillows: to capture hydrocarbons mixed in the discharge

APPLICATIONS



Zoos /
Animal Habitats



Municipal



Industrial



Commercial



Good to use
in BMPs



Sediments
Retention