



Solids Trooper™

Solids Removal System

Features

- Pre-engineered from 500 - 15,000 gallons
- Precast concrete, polyethylene, fiberglass or steel construction
- Above or below grade installation
- Custom screen sizes (down to 100 micron)
- Pedestrian or traffic rated
- Remote maintenance alarm
- Interior liners available
- Meets all building codes

Solids Interceptor

The ParkUSA® SolidsTrooper® is a solids interceptor that can be used in commercial establishments to collect and hold excessive amounts of solid substances found in wastewater. A solids 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 (1/2") in diameter from entering the sanitary sewer system. In some cases, project requirements call for even finer separation.

The SolidsTrooper is a solids and sediment interceptor that consists of a multi-compartment basin and unique separation technology for solids and sediment separation.

Typical applications for Solids Interceptors include food processing, zoos, ag barns, healthcare, glass bottlers, dumpster areas and manufacturing facilities. Waste discharge loadings from these facilities contain solid substances like waste grindings, potato peels, rice, aquarium gravel, animal solids, glass, trash, dental waste, jewels, plaster, hair, ceramic waste, fish bones and meat trimmings.

The SolidsTrooper is compliant with both 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 | SOLIDS TROOPER
Standard



How it Works

The SolidsTrooper is typically located outside of the building and buried below grade. The wastewater exits the laundry via gravity flow and enters the interceptor. As the wastewater enters the interceptor's first compartment, the water velocity is significantly reduced, allowing for separation and fall-out of the solids and sediment. Water travels into the second compartment through the piping manifold where further separation occurs. The water will exit thru 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, providing years of continuous service. The interceptor contains multiple compartments where the solids will flocculate and float to the surface, and heavier solids will sink to the bottom. The discharging effluent is comprised of the solids-free water between these layers.

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 sediment (TSS) content and interceptor performance.

Visit solidstrooper.parkusa.com for more information and design assistance.

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

System Components

Typical components include:

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 sediments reside in the interceptor for period cleaning by a vac-truck service company.

Filter Baskets: Contained in the STSSB configuration, the screening baskets are removable for onsite solid waste disposal of the collected solids and sediment. This can be maintained by onsite maintenance personnel.

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.



APPLICATIONS



Good to use
in BMPs



Municipal



Commercial



Industrial



Sediments
Retention