



## Animal Habitat Interceptor

The ParkUSA® ZooTrooper® is a solids interceptor specifically designed for animal habitats and animal shelters, which produce an enormous amount of water and waste that typically gets flushed down the drain. The ZooTrooper is a debris and sediment interceptor that consists of a multi-compartment basin and unique separation technology.

Efficient drainage and wastewater treatment of drainage is essential for each habitat, as each is unique and offers a variety of plants and animals that live in the specific environments. In addition, there are also sanitary conditions needed for caretakers and patrons.

ZooTroopers are used for various applications, from small animal clinics to elephant and rhinoceros zoo habitats. Other applications include agriculture barns, show arenas, aquariums, and animal shelters.

A solids interceptor should be installed as determined by the engineer and the Authority Having Jurisdiction (AHJ). Typical requirements 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 ZooTrooper is compliant with both UPC and IPC plumbing codes.

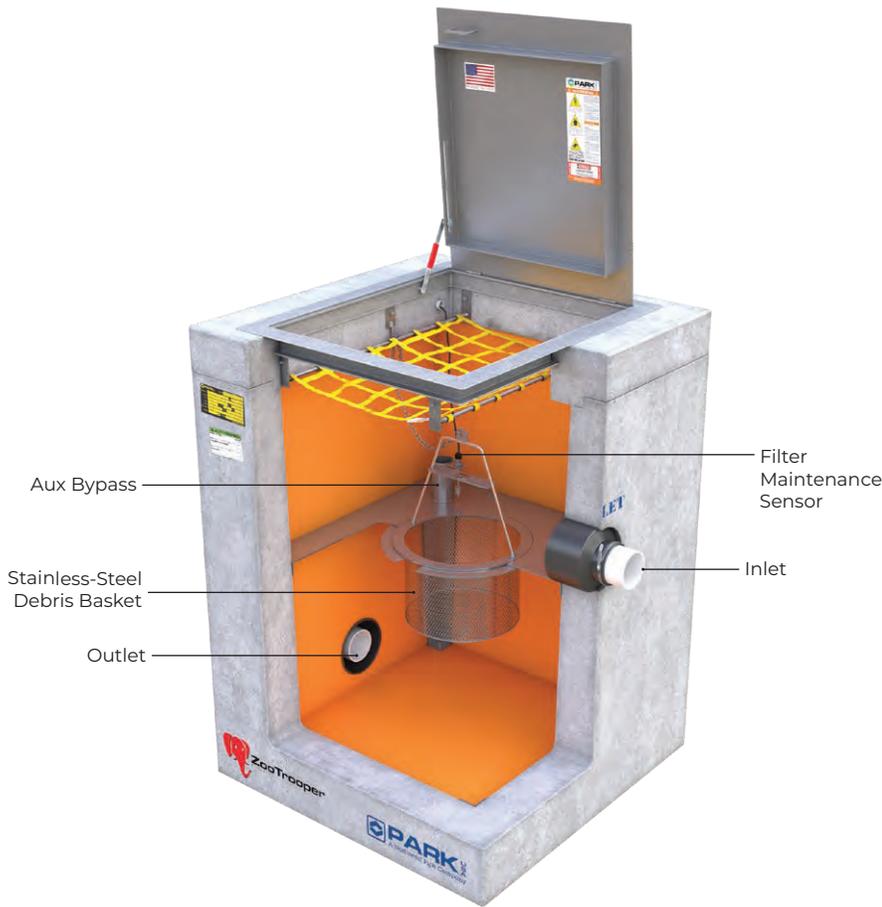


## Features

- Pre-engineered from 500 - 15,000 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



**WW** | ZOOTROOPER Standard



## System Components

The ParkUSA ZooTrooper components include:

**Filter Baskets:** Contained in the ZT configuration, the screening baskets are removable for onsite solid waste disposal of the collected solid debris. This can be maintained by onsite maintenance personnel. This model is recommended for applications where there IS onsite maintenance personnel and remote habitats (where vac-trucks are not practical).

**Screen Filter:** Contained in the ZTSC configuration, the screening filter offers enhanced separation for neutral buoyancy particles. Screens are available down to 100 microns. All debris and sediment reside in the interceptor for period cleaning by a vac-truck service company. This model is recommended for applications where there is NOT onsite maintenance personnel.

**Control System:** Consists of NEMA 4X panel with service notification and 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.

## How it Works

The ZooTrooper is typically located outside of the building or habitat. The unit is buried below grade where wastewater plumbing gravity flows into the interceptor. As the wastewater enters the interceptor's first stage, the water velocity is significantly reduced, allowing for separation and fall-out of the debris into filter baskets. During continuous use, wastewater percolates through the filter baskets allowing fecal matter to break down and travel thru the screen in to the second stage of the interceptor. Debris that will be retained can include large fecal, straw, vegetation, litter, bones, food, and the occasional chew toy. The filtered wastewater then exits the outlet to the sanitary sewer.

All animal habitats require a good maintenance plan for a healthy and clean environment. The ZooTrooper incorporates a filter maintenance alarm used to alert onsite staff of service requirements. This typically includes the need to empty the baskets into solid waste disposal or composting.

To ensure maximum performance of each ZooTrooper, a sample well is recommended downstream of the interceptor. As its name implies, periodic water samples can be drawn and lab tested to determine sediment (TSS) and BOD content.

Visit [zootrooper.parkusa.com](http://zootrooper.parkusa.com) for more information and design assistance.

To request a quote or catalog, visit [request.parkusa.com](http://request.parkusa.com).

## APPLICATIONS



Zoos /  
Animal Habitats



Municipal



Industrial



Commercial



Good to use  
in BMPs



Sediments  
Retention