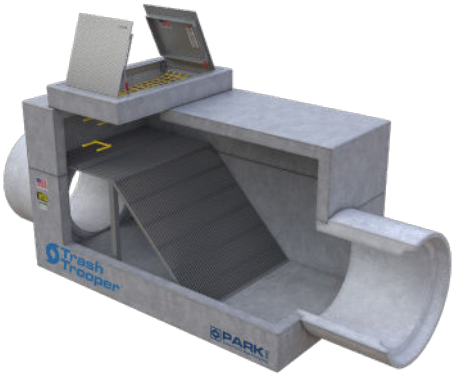
PARK USA
A Northwest Pipe Company

TRASH INTERCEPTOR



Model TTB - with automatic high-flow bypass

TrashTrooper®

High-Flow and High-Capture Trash Separator for Stormwater Management

ParkUSA's stormwater trash interceptor captures and removes solid waste, debris, and other pollutants from stormwater runoff. It is typically installed in stormwater systems that receive a significant amount of solid waste and debris is present, such as systems near parking lots, streets, and industrial sites.

The interceptor works by allowing stormwater to flow through a series of screens or filters that trap solid waste and debris. The intercepted waste is collected in a separate compartment, which is periodically emptied. The TrashTrooper® is easy to install, maintain, and operate. It features durable precast concrete construction and customization to suit specific project requirements.

Advantages

- High-capture efficiency
- High-flow capability
- Minimal head loss and hydraulic gradient between inlet and outlet
- Factory production for consistent quality and dimensional accuracy
- Easy installation process
- Durable precast concrete construction for strength and long-lasting performance

Applications

- Parking lots
- Residential developments
- Streets and highways
- Industrial sltes

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Trash Trooper®

How It Works

The TrashTrooper® efficiently removes trash and debris from stormwater runoff as it passes through the first compartment and an inclined screen with equally spaced bars. The captured trash is retained in the first compartment while clean water flows into the outlet compartment and is discharged into the stormwater sewer. Solid debris is retained in the separator and accumulates until maintenance is performed. During high-storm events or if the screen becomes excessively clogged with debris, a bypass allows water to flow around the screen, preventing blockages and overflow.

The TrashTrooper® is designed for easy underground installation and includes traffic-duty access covers for convenient maintenance and inspection. With no moving parts, maintaining the interceptor system is affordable, and it can be emptied using a standard vacuum truck at street level.

System Components

Interceptor Structure: Reinforced precast concrete vault placed underground.

Riser: This section rises above the basin to ground surface. It is joined to the basin with tongue and groove joints that allow for a seamless fit.

Interceptor Invert: The invert directs stormwater flow within the interceptor and ensures a smooth and uninterrupted transition between incoming and outgoing pipes. This maintains the hydraulic gradient and prevents turbulence that could cause sediment accumulation or disrupt the flow.

Trash Screen: The debris screen is the heart of the interceptor and provides filtration of trash and other debris from stormwater runoff.

Hatchway: A steel hatchway provides safe and easy entry to the interceptor and is fitted with a safety net and locking mechanism for added security. Steps or ladder rungs may be cast into the riser sections for improved access.

Screen Platform: Located above the screen, it serves as an auxiliary bypass while also providing a platform for personnel to stand on during maintenance and cleaning.

Full product catalog available at **request.parkusa.com**

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