



Cleaner Waterways with the ParkUSA Floatable Collection Screen

Floatable Collection Screen

The ParkUSA Floatable Collection Screen is a system designed to capture floatable debris within a stormwater detention pond or basin before it is discharged into a storm sewer. Built in various slope configurations (3:1, 4:1, and 6:1) to match the detention pond's interior berm wall, the screens feature a precast concrete headwall with a galvanized steel trash screen that can be hinged for easy lifting during maintenance and cleaning.

The floatable collection screens are structurally reinforced to withstand maintenance equipment loads up to 3,000 pounds. With no moving parts, the floatable collection screens are a reliable device for capturing and removing solid waste, debris, and other pollutants from stormwater runoff and are commonly installed in stormwater systems that receive runoff from areas such as detention ponds.

It features durable precast concrete construction and customization to suit specific project requirements.

Advantages

- The screens are available in galvanized steel and stainless steel
- Designed with structural reinforcement to withstand heavy loads
- The lift handles and hinges are durable and recessed for easy handling
- Available in standard sizes and can be customized for easy field installation
- High-capture efficiency for effective filtering
- High-flow capability with minimal head loss and hydraulic gradient
- Consistent quality and dimensional accuracy are achieved through factory production
- Made in USA

Applications

- Retention ponds
- Wet detention ponds
- Extended detention ponds
- Infiltration detention ponds
- Dry batch detention ponds



How It Works

The ParkUSA Floatable Collection Screen efficiently removes trash and debris from stormwater runoff. The screen systems are comprised of two pieces, an intake screen structure and an attached manhole, and are placed in retention or detention pond berms. Water passes through an inclined screened intake and is discharged to the stormwater sewer system while the trash is retained in the detention pond.

The Floatable Collection Screen Interceptor is designed for easy in-ground installation and includes a convenient hinged hand-hole access cover for maintenance and inspection. With no moving parts, maintaining the ParkUSA Floatable Collection Screen system is quick and affordable, and it can be completed using a standard vacuum truck at street level.

System Components

Screen Structure: The screen structure is a reinforced precast concrete headwall placed in the ground of the detention pond berm. It is designed to provide sturdy and durable housing for the collection screen.

Floatable Collection Screen: The floatable debris screen is the central component of the system, providing filtration of trash and other debris from stormwater runoff and preventing harm to the environment.

Pipe Connections: The inlet and outlet openings are on the side of the interceptor basin, allowing for the flow of water in and out of the structure. Holes can be cast in for this purpose, or alternatively, thin-wall knockouts or resilient rubber pipe connections can be used.

Manhole Base: The base serves as the foundation of the manhole and typically features preformed inlets and outlets for stormwater flow. It connects directly to the stormwater pipes or channels and ensures proper alignment.



Full product
catalog available at
request.parkusa.com



sales@parkusa.com
www.parkusa.com

PARK 2016
A Northwest Pipe Company

**Northwest Pipe
Company**