



Model C1

An Essential Component of any Stormwater Collection System

Curb Inlet

ParkUSA Curb Inlets are an essential element of stormwater management systems. They collect water from impervious areas such as parking lots and roadways to prevent flooding and minimize damage to infrastructure and property. Curb inlets are typically rectangular or trapezoidal in shape and fit within the curb line.

The inlet opening is covered with a grate or filter to prevent debris and other materials from entering the stormwater conveyance system. ParkUSA offers grate and cover options made of cast iron or ductile iron, including city logos, and various city and state models and sizes for quick shipment.

The collected water is transported through underground pipes or discharged directly into a nearby water body to prevent damage. Curb inlets also play a critical role in enhancing water quality by capturing and filtering out debris and pollutants present in the stormwater runoff.

Applications

Drainage systems • Stormwater management • Stormwater retention and treatment

Advantages

- City and State approved sizes available for quick shipment
- Consistent quality and dimensional accuracy are ensured with factory production
- Quick installation process with interchangeable sections for flexibility
- Pollution control options include debris inserts, oil dams, oil-stop valves, and backflow prevention
- Durable precast concrete construction provides strength and long-lasting performance
- Watertight gasketed joints
- Cast iron, ductile iron, galvanized steel, or aluminum hatchway options
- Built to ASTM Standards



Model B



Model BB



Model C



Model E



Model C2

System Components

Base and Walls: The base is the bottom section that supports the entire structure. It is designed to provide stability and prevent shifting or movement over time. The walls of the inlet are the vertical sections that enclose the structure.

Curb Inlet Sections:

The curb inlet has two sections. The top section refers to the upper part of the curb inlet that includes the throat (or gutter) opening and is visible from the street. The middle section sits on top of the basin and extends to the throat.

Manhole cover: The manhole access features a cast or ductile iron manhole cover and frame, designed to withstand traffic load-bearing requirements. The manhole cover ensures easy access to the manhole while safeguarding the system from debris, traffic impact, and unauthorized entry.

Outlet: The outlet is the opening in the side of the inlet where the collected water is conveyed out of the structure. It is typically connected to a network of underground pipes that transport the water to a discharge point. Holes can be preformed or thin-wall knockouts.

Pipe Connections: Precast concrete inlets have various pipe connections that allow them to be connected to a network of underground pipes. These connections allow the collected water to be conveyed to a discharge point, such as a stream, river, or other water body. The connections are sealed with cementitious grout or flexible boots to ensure watertightness and maintain hydraulic efficiency.

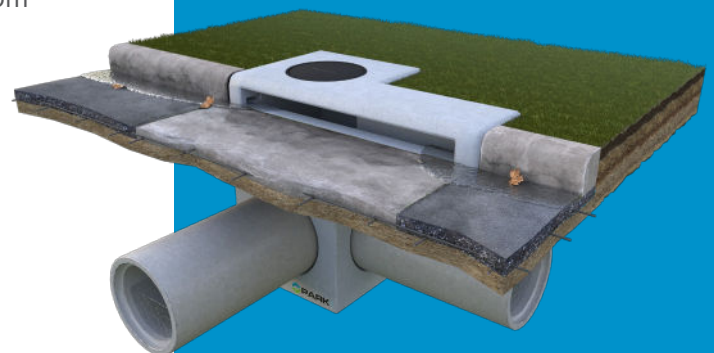
Debris Screen: Debris screens are a type of stormwater quality device that are available to filter out trash and other debris from stormwater runoff, preventing harm to the environment.



How It Works

Inlets are an essential component of a stormwater system and function by collecting and transporting water from the surface of roads and other impervious surfaces. Typically installed in curb lines or along the sides of roads, inlets are designed to manage and control the flow of water during rain events.

Inlets are typically round or rectangular in shape and have a grate or other type of cover to prevent debris and other materials from entering the conveyance system. The main function of inlets is to prevent flooding and reduce the risk of damage to infrastructure and property by collecting and conveying surface runoff away from impervious surfaces. Inlets also play a critical role in improving water quality by capturing and filtering out debris and pollutants that may be present in the runoff.



Full product catalog available at request.parkusa.com

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