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Grate Inlet Skimmer Box
Curb Inlet Basket
Storm Boom
Baffle Box
Golf Green Filter

Authorized Distributor:



PRICE & COMPANY

Solutions Grounded in Experience

Metro Grand Rapids

425 36th St. SW

Wyoming, MI 49548

Toll free: 800-248-8230

Local : 616-530-8230

Fax: 616-530-2317

Metro Detroit

29165 Wall St.

Wixom, MI 49393

Toll Free: 866-960-4300

Local : 248-596-4300

Fax: 248-596-4301

www.priceandcompany.com

Infrastructure
Stormwater Filtration Systems



Contact: Price and Company Inc.

Metro Grand Rapids
800-248-8230

Metro Detroit
866-960-4300

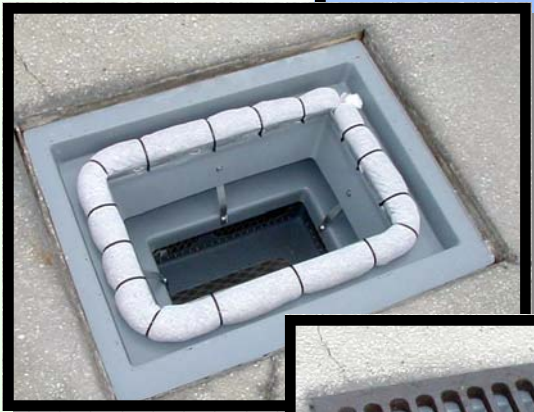
Grate Inlet Skimmer Box

Stormwater Treatment System For A Grated Inlet

*Captures
Everything From
Hydrocarbons, To
Sediment, To Foliage,
To Litter...
Everything!*

*Installs
Quickly*

- Remove the grate
- Drop in the filter
- Replace the grate



Patented



*Will Not
Impede The
Designed Flow
Of The Inlet*



Ready For Action

*Custom Sizes...
No Problem*

Multi-Stage Filtration

Screens of Different Sieve Sizes

Optimize Filtration And Water Flow

- Bypass Openings

Stainless Steel Screens

- Coarse Sieve Size Screen

- Medium Sieve Size Screen

- Fine Sieve Size Screen
(Fine sieve size screen also on bottom)

Interior components are easily removed to allow easy access to lower filtration chamber

- Storm Boom

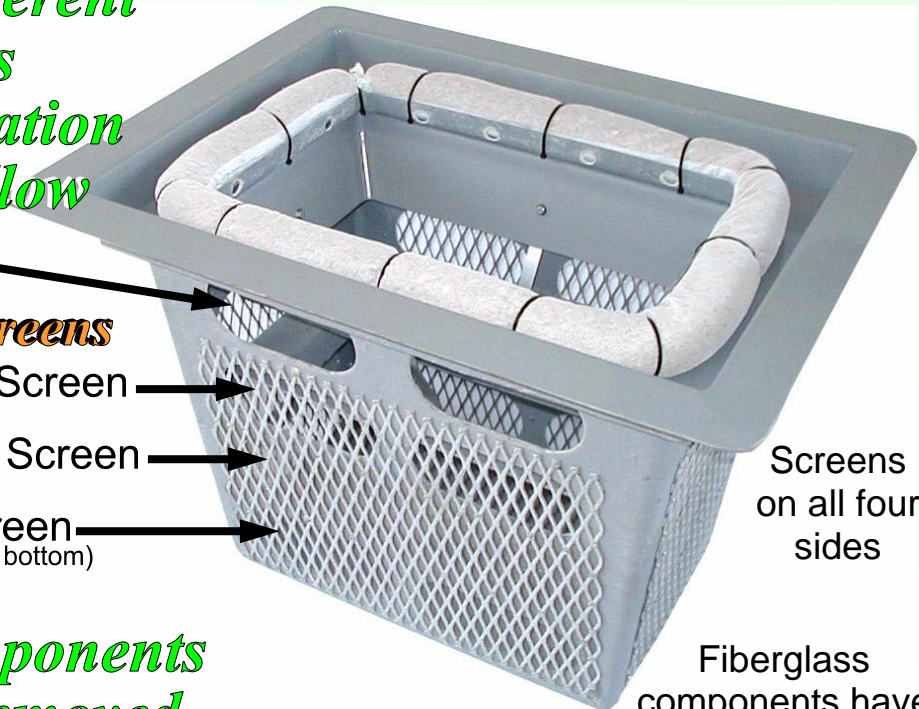
- Zip Tie

- Skimmer Tray

- Deflection Shield

- Flange is reinforced with knitted 1808 ±45° biaxial fiberglass

Grate Inlet Skimmer Box Special Features



Screens on all four sides

Fiberglass components have gelcoated finish + UV filter

Storm Boom absorbs hydrocarbons



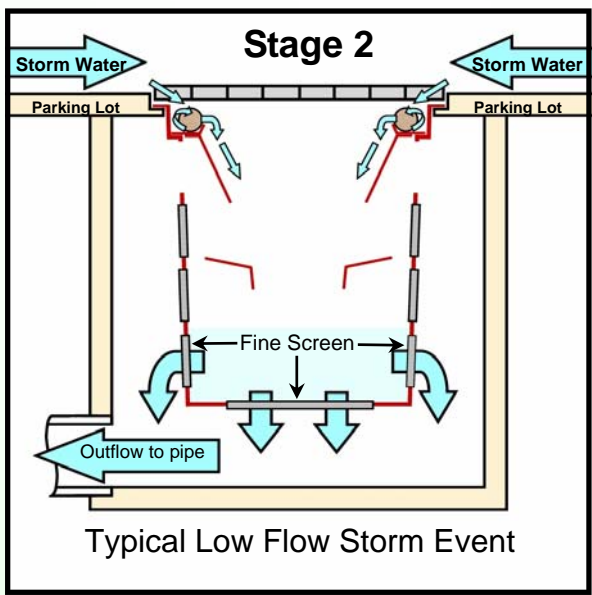
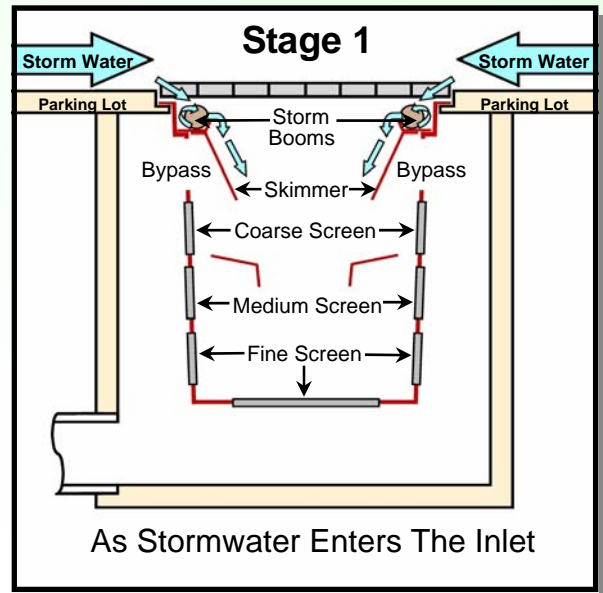
Built Strong To Last!



Grate Inlet Skimmer Box — Functional Description

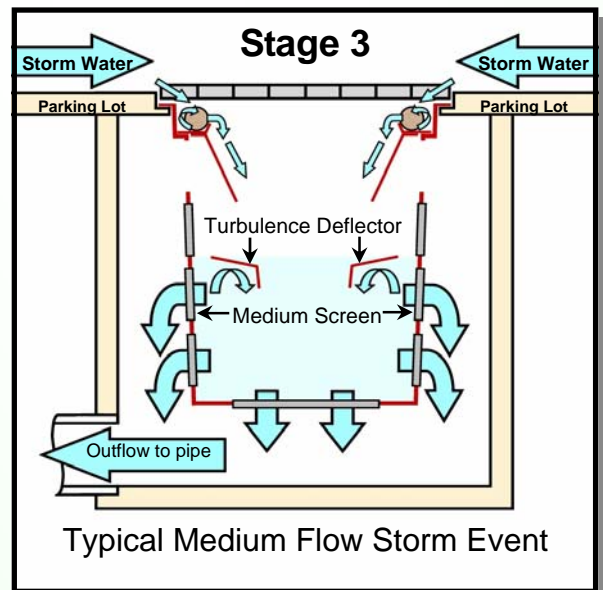
Multi-Stage Filtration Utilizes Screens Of Different Sieve Sizes Optimize Filtration And Water Flow

Stage 1: As stormwater enters the inlet through the grate it comes in contact with and passes through a **Storm Boom** located around the top perimeter of the **Grate Inlet Skimmer Box**. After making contact with the **Storm Boom**, the stormwater flows down into the lower filtration chamber which is equipped with 3 different sieve size filtration screens and bypass openings.

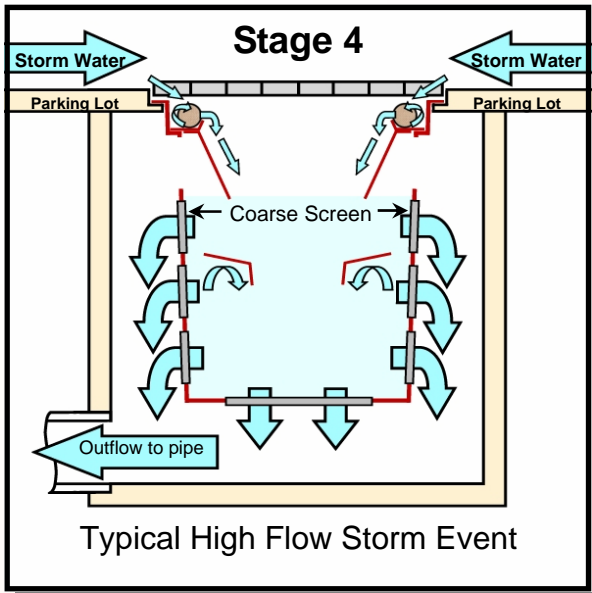


Stage 2: Throughout the entire storm event, stormwater continues to come in contact with the **Storm Boom** and then flow into the lower filtration chamber, adjacent to the fine sieve size screens. The fines sieve size screens are sized to be able to capture sediment such as sand, clay, phosphates, etc. A sand filter quickly forms across the bottom which has the potential to capture the finest of particles.

Stage 3: As the storm event increases in intensity the water level in the **Grate Inlet Skimmer box** rises to a level adjacent to the medium sieve size screens and the *turbulence deflector*. The medium screen provides additional flow with less chance of obstruction than the fine screen. The *turbulence deflector* dramatically reduces the turbulence in the lower filtration chamber, which allows sediment to continue to settle, without re-suspending sediment that has previously been captured.

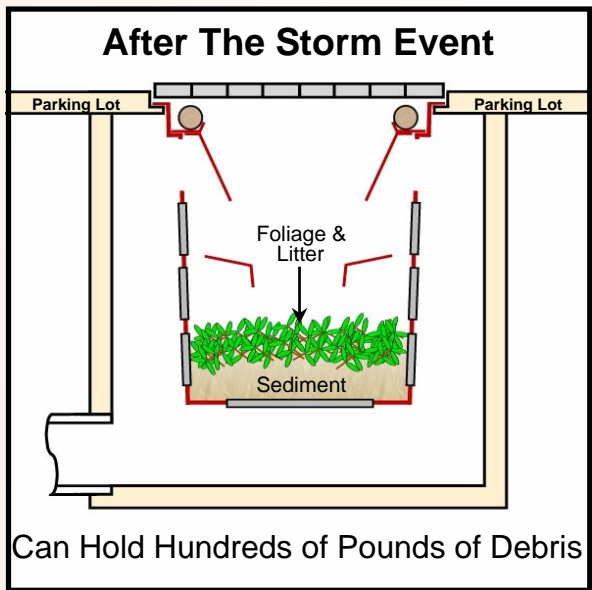
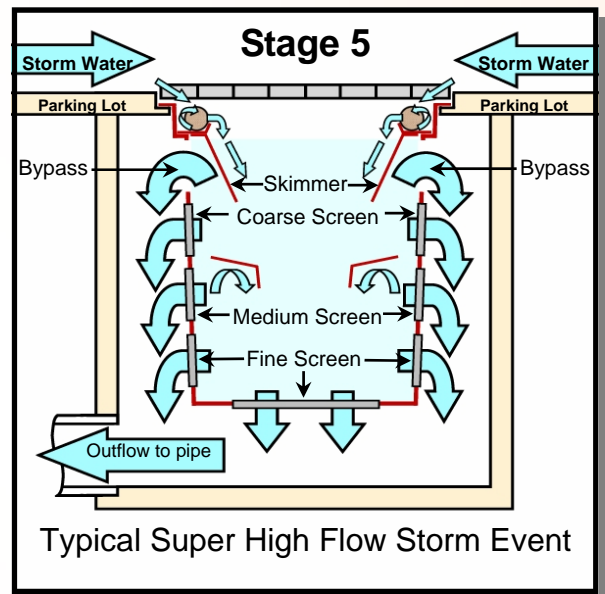


Stage 4: As the storm event increases in intensity to that of high flow storm event, the water level in the **Grate Inlet Skimmer box** rises to a level adjacent to the coarse sieve size screens above *turbulence deflector*.



The coarse screen provides additional filtered flow with less chance for obstruction than either the medium or fine screen. The coarse screen is sized to capture floatables like foliage and litter. At this stage water is flowing through all the different sieve size screens, the *turbulence deflector* continues to dramatically reduce the turbulence in the lower filtration chamber, and sediment continues to settle and collect toward the bottom.

Stage 5: If the storm event creates an extremely high flow rate into the inlet which exceeds the flow through all the screens, the water flow can bypass the filtration screens through skimmer protected bypass openings near the top of the **Grate Inlet Skimmer Box**. As water flows through the bypass openings, it also continues to flow through all the other screens. Storm events that produce such high flow rates are rare and typically don't last very long.



Drains Dry After Every Storm Event

After The Storm Event: The stormwater drains completely out of the **Grate Inlet Skimmer Box** after the storm event. The debris collected in the unit is stored in a dry state which helps to contain the nutrient pollutant load, prevents the filter from going septic, and prevents mosquitoes from breeding in the unit. After each storm event more debris is collected, which can ultimately weigh many hundreds of pounds.

Storm Boom

Hydrocarbon Absorbent Booms
Specifically Designed For Stormwater Applications

Suntree Technologies has developed 4 types of Storm Booms that have specialized applications to achieve optimum results.



Storm Boom Type 1 is filled with only Absorbent W and has a large sieve size covering for better stormwater penetration. Absorbent W is a cellulose filler made from reclaimed paper mill by-products, and it is certified by Green Cross as 100% recycled material. Absorbed liquid is drawn into the cellulose fibers through capillary action and locked into the boom by encapsulation. Absorbent W is a wide spectrum absorbent capable of absorbing chemicals other than hydrocarbons. It is recommended that this boom be replaced every 3 to 4 months, and not exceed 6 months of service.

Storm Boom Type 2 is filled with shredded melt blown polypropylene and has a large sieve size covering. The melt blown polypropylene will not biodegrade and has an indefinite lifespan in the field. Its spectrum of absorption is limited to hydrocarbons. It is recommended that this boom be replaced as when it starts to darken look contaminated).

Storm Boom Type 3 is filled with a 50-50 blend of Absorbent W and melt blown polypropylene with a large sieve size covering. This boom offers wide spectrum absorption with an extra emphasis on hydrocarbon absorption. It is recommended that this boom be replaced every 3 to 4 months and not exceed 6 months of service. It is especially effective in high pollutant load areas such as maintenance facilities and gas stations.

Storm Boom Type 4 is filled with a polymer crumb filler and has a fine sieve size covering. Its spectrum of absorption is limited to hydrocarbons which it absorbs on contact by chemically bonding with the hydrocarbon molecules. The polymer crumb filler will not absorb water and can float indefinitely, and it will not biodegrade. It is recommended that this boom be replaced as needed, based on visual observations (when it starts to darken look contaminated). This Storm Boom is recommended for use in the Nutrient Separating Baffle Box near the outflow.

We Have The Correct Boom For Your Stormwater Needs

