



Catch Basin Inlet Filters

A Stormwater Trash Capture Solution

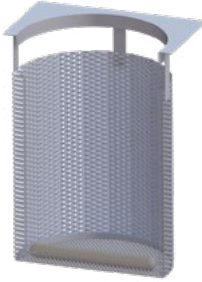
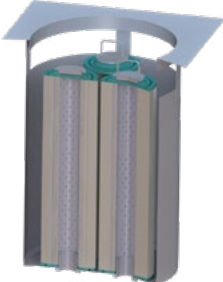


OVERVIEW

The Bio Clean Catch Basin Inlet Filters are insertable systems designed to capture fine to coarse sediments, floatable trash, debris, total suspended solids (TSS), nutrients, metals, and hydrocarbons conveyed in stormwater runoff.

Available in two different types, the Catch Basin Inlet Filters are a dependable, cost-effective solution to help property owners, developers, and municipalities meet local, state, and federal water quality requirements and regulations. Each filter is versatile and can be built or adjusted to meet specific project needs, and screen size.

Constructed of 100% high-grade stainless steel, it is built to last longer than any other filter brand, and the non-clogging screens provide higher levels of filtration and water flow. The filter is equipped with unimpeded high flow bypass to prevent backflow during the largest storm events.

Full Capture Type	Kraken Filter Type
 <p data-bbox="846 680 1097 701">California Water Board Certified</p>	 <p data-bbox="1227 680 1455 701">Advanced Pollutant Removal</p>
<p data-bbox="878 764 1062 827">TESTING HIGHLIGHT: California Water Board 100% of Trash</p>	<p data-bbox="1240 764 1442 827">TESTING HIGHLIGHT: Third Party Testing 85% of TSS & 72% of TP</p>

APPLICATIONS

The Catch Basin Inlet Filters have been successfully used on numerous new construction and retrofit projects. The systems' superior durability and customization make it ideal for a wide range of stormwater applications. Each filter fits within a shallow catch basin, giving them the ability to integrate with versatile curb inlet trough systems.

- Parking Lot Curb Inlets
- Parking Lot Grate Inlets
- Roadway Curb Inlets
- Roadway Grate Inlets
- Bioswale Bypass Structures
- Stormwater Pretreatment

ADVANTAGES

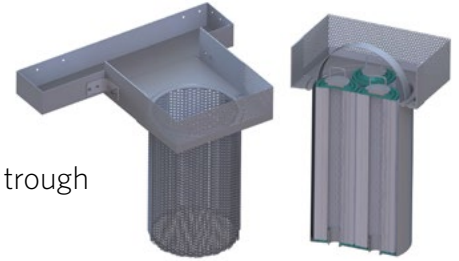
- WORKS IN ANY SIZE CATCH BASIN
*SOME DEPTH RESTRICTIONS MAY APPLY.
- NO NETS OR GEOFABRICS
- MEETS LEED REQUIREMENTS
- TROUGH SYSTEM ALLOWS FOR 15-MINUTE OR LESS SERVICE TIME
- STAINLESS STEEL AND FIBERGLASS CONSTRUCTION
- 1-YEAR WARRANTY

CURB INLET APPLICATION

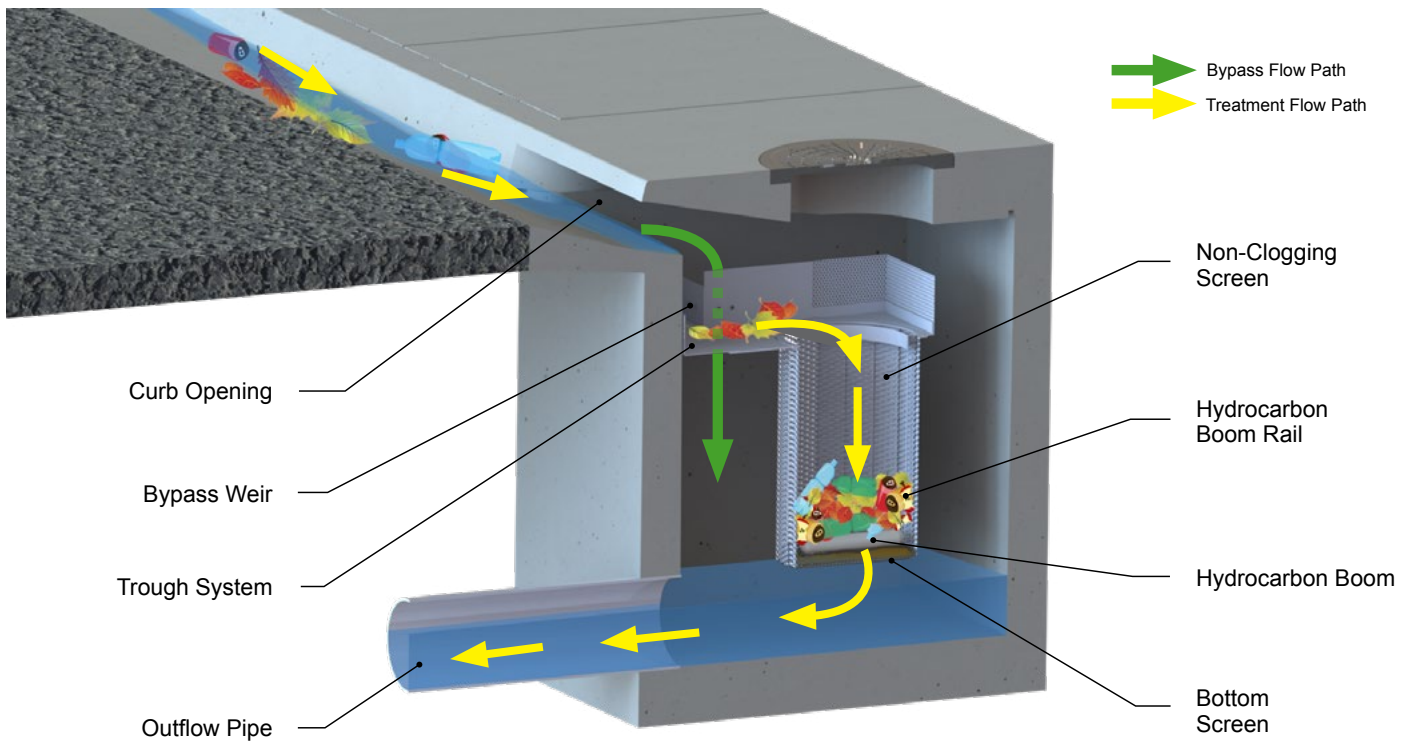
The curb inlet application or shelf system, provides easy access for maintenance from the surface without having to enter the catch basin. Maintenance service takes about 15 minutes and requires no confined space entry.

Each Catch Basin Inlet Filter is designed to be insertable and the expandable trough system is designed to convey water quality design flows through the filter basket while allowing peak flows to bypass over the trough without re-suspending captured pollutants. The modular design of the trough system makes it adaptable to any size* or type of curb inlet catch basin.

*Some depth restrictions may apply.

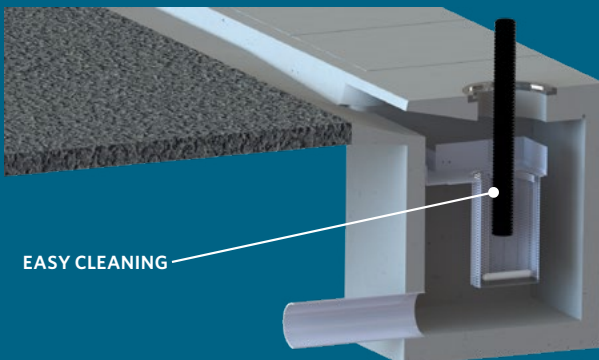


OPERATION

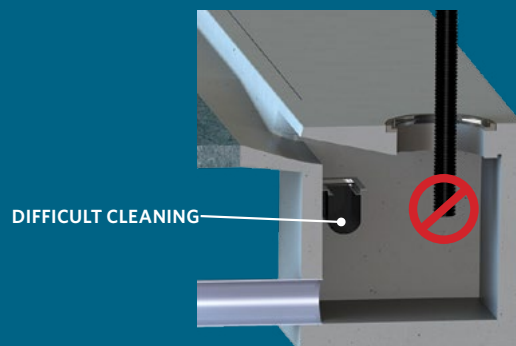


COMPETITOR COMPARISON

Bio Clean Curb Inlet Filter



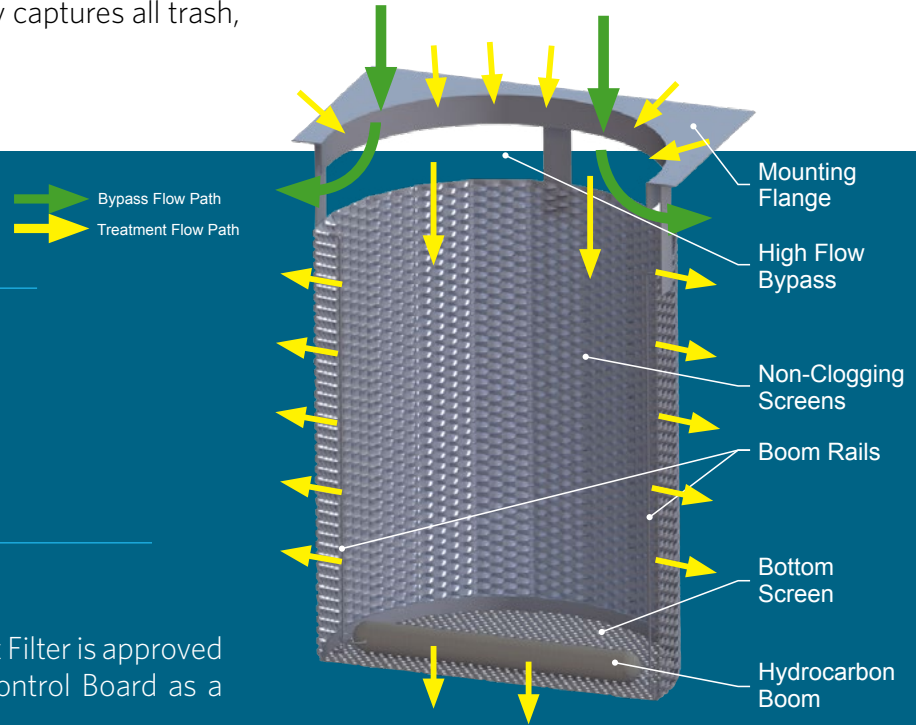
Other Curb Inlets



FULL CAPTURE TYPE

The Full Capture type inlet filter is California Full Capture approved and allows for a higher flow of water, making it more applicable for demanding applications. The screen has a specialized design that efficiently captures all trash, but also makes cleaning more efficient.

OPERATION



PERFORMANCE

100% REMOVAL OF TRASH



California Full Capture Approved

The Full Capture Type Catch Basin Inlet Filter is approved by the California Water Resources Control Board as a Full Capture treatment device.

SPECIFICATIONS

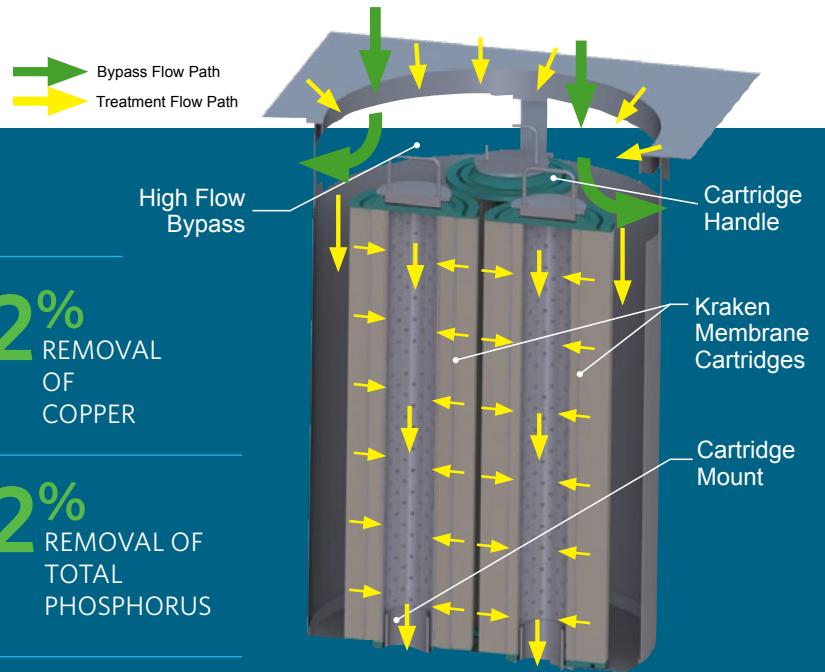
MODEL #	TREATMENT FLOW (cfs)	BYPASS FLOW (cfs)
BIO-GRATE-FULL-12-12-12	0.97	1.55
BIO-GRATE-FULL-18-18-12	1.86	3.68
BIO-GRATE-FULL-26-26-12	2.78	4.83
BIO-GRATE-FULL-24-40-12	6.71	6.59
BIO-GRATE-FULL-26-26-24	9.49	4.83
BIO-GRATE-FULL-24-40-24	13.53	6.59
BIO-GRATE-FULL-36-36-24	17.14	7.60

Note: Curb inlet application treatment flow rate limited to the weir capacity - actual flow rates of the filter basket is greater than 2.85 cfs. Various depth filter baskets available. Treatment and bypass flow rates include a safety factor of two.

KRAKEN FILTER TYPE

Kraken membrane filters increase removal efficiencies and are removable and reusable after spray cleaning with a typical garden hose.

OPERATION



PERFORMANCE

85% REMOVAL OF FINE TSS

81% REMOVAL OF OILS & GREASE

52% REMOVAL OF COPPER

58% REMOVAL OF ZINC

60% REMOVAL OF FECAL COLIFORM

72% REMOVAL OF TOTAL PHOSPHORUS

SPECIFICATIONS

MODEL #	MEDIA TREATMENT FLOW (cfs)	BYPASS FLOW (cfs)
BIO-GRATE-KMF-12-12-29	0.028	0.52
BIO-GRATE-KMF-18-18-29	0.028	2.51
BIO-GRATE-KMF-26-26-29	0.11	5.31
BIO-GRATE-KMF-24-40-29	0.20	10.39
BIO-GRATE-KMF-36-36-29	0.33	12.53

Note: Media treatment flow rate based on three 30" tall Kraken filter inserts. Various filter basket and Kraken Membrane Filter heights available.

INSTALLATION

CURB INLET FILTER



Bio Clean's Curb Inlet Filters are easily installed under catch basin access for ease of maintenance.

GRATE INLET FILTER

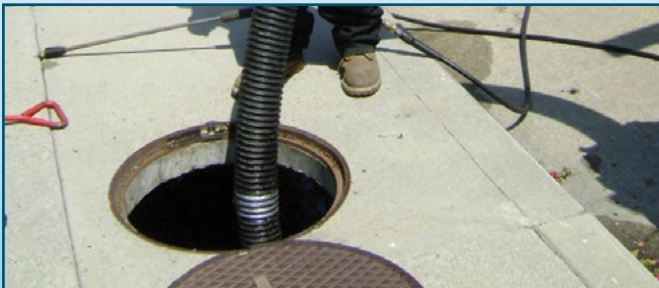


Grate Inlet Filters can be quickly installed directly under grated inlets with no special equipment.

MAINTENANCE

Each type of filter can be easily accessed from the surface without entering the catch basin, and even lifted out by hand for routine maintenance and inspections.

CURB INLET FILTER



GRATE INLET FILTER



Bio Clean
A Forterra Company

398 Via El Centro
Oceanside, CA 92058
855.566.3938
stormwater@forterrabp.com
biocleanenvironmental.com