

Bio Clean[®] Catch Basin
Inlet Filters



The experts you need to solve your stormwater challenges



Contech is the leader in stormwater solutions, helping engineers, contractors and owners with infrastructure and land development projects throughout North America.

With our responsive team of stormwater experts, local regulatory expertise and flexible solutions, Contech is the trusted partner you can count on for stormwater management solutions.

Your Contech Team



STORMWATER CONSULTANT

It's my job to recommend the best solution to meet permitting requirements.



STORMWATER DESIGN ENGINEER

I work with consultants to design the best approved solution to meet your project's needs.



REGULATORY MANAGER

I understand the local stormwater regulations and what solutions will be approved.



SALES ENGINEER

I make sure our solutions meet the needs of the contractor during construction.

Contech is your partner in stormwater management solutions

Bio Clean® Catch Basin Inlet Filter Configurations

Removing trash and sediment to protect our waterways ...

Our nation has some of the world's most beautiful beaches and waterways. Unfortunately, trash such as cigarette butts, food packaging, cans and bottles, and plastic waste makes its way into streams, creeks, rivers, and the ocean, as rain events wash them into gutters and storm drains.

Bio Clean Catch Basin Filters provide the first defense against trash and other pollutants entering your stormwater stream by providing 100% trash capture at the source, preventing system clogging and improving downstream water quality.



Full Trash Capture

Testing Highlight: California Water Board
100% of Trash

Fabric Sediment Filter

Testing Highlight: Over 1,000 LBS of load capacity

Kraken® Membrane Filtration

Testing Highlight: Third Party Testing
85% of TSS & 72% of TP

Bio Clean® Catch Basin Inlet Filter Advantages

Bio Clean Catch Basin Inlet Filters offer superior durability and customization ...

- 1-year warranty
- Long-lasting, stainless-steel construction
- Designed for a wide range of sizes to fit most curb and grate inlets
- High-flows bypass prevents scouring of previously captured trash and debris
- Installed and maintained in minutes

Designed for maximized flow rates while meeting trash full capture requirements by the State of California Water Board.

Bio Clean[®] Catch Basin Inlet Filter Applications

Bio Clean Catch Basin Inlet Filters have been successfully used on numerous new construction and retrofit projects. The system's 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.

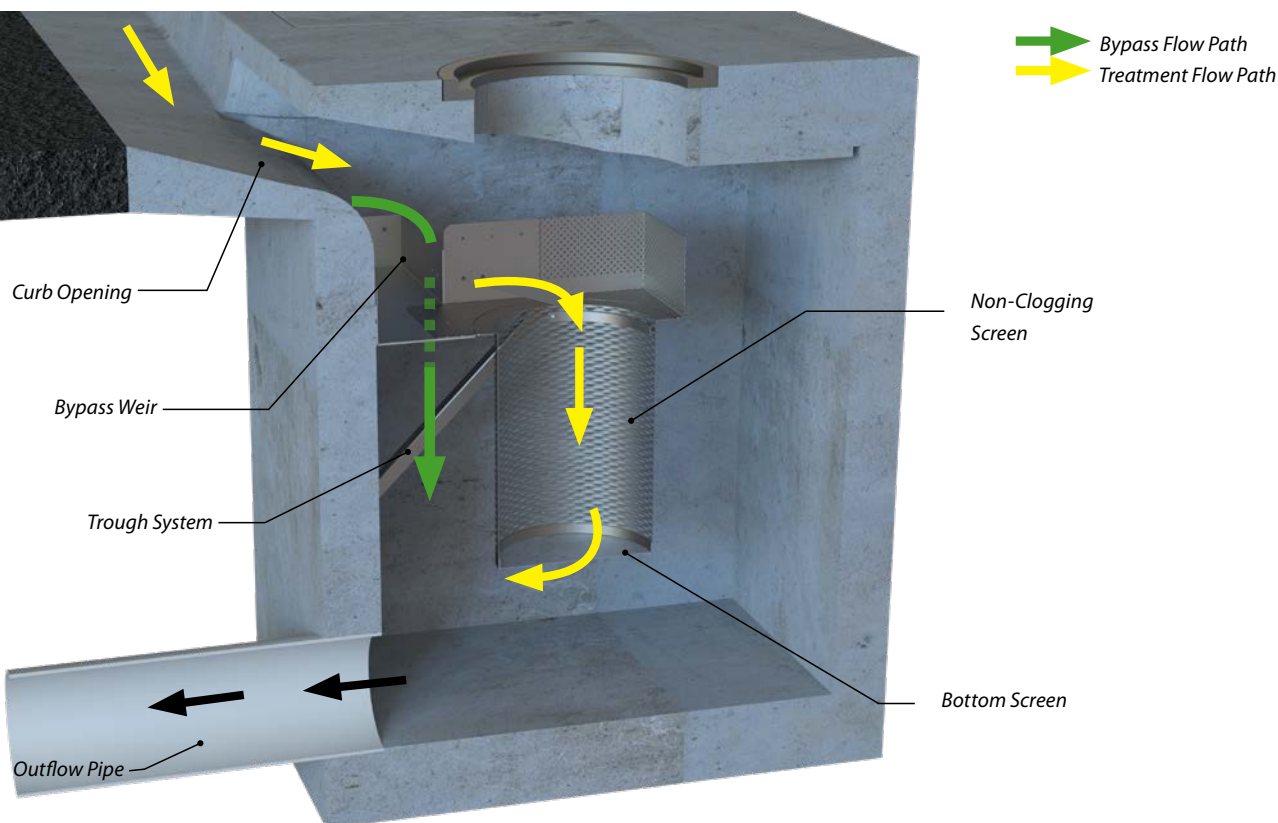
Applications include:

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

Our filters provide 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 Bio Clean 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 resuspending 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. Bypass to prevent backflow during the largest storm events.*

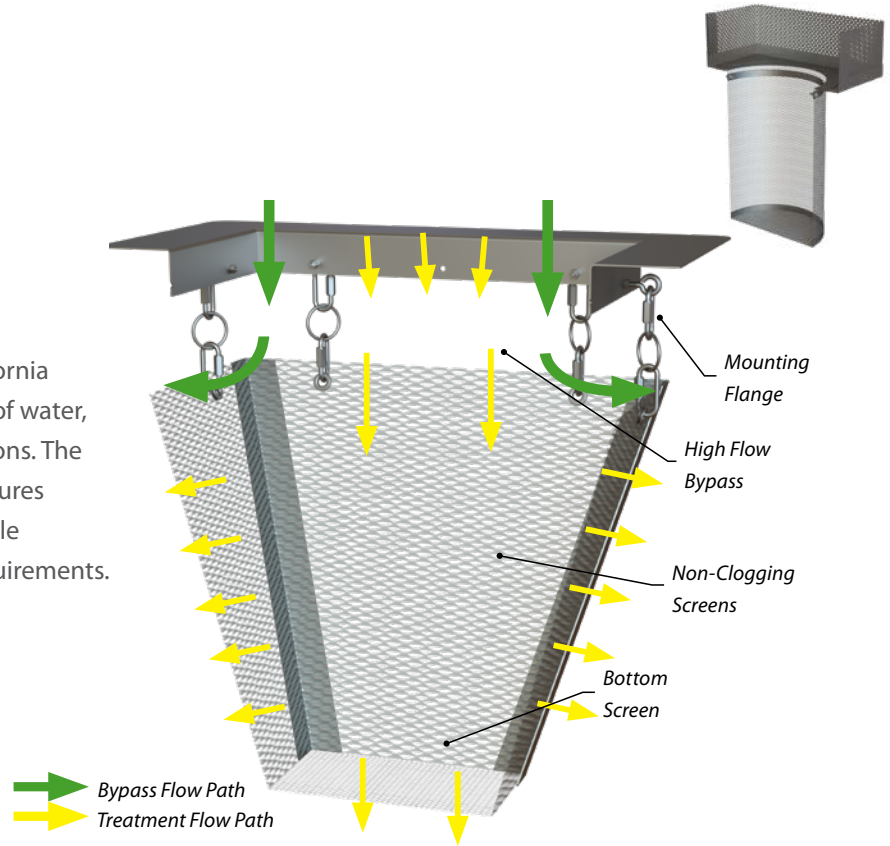


Captures 100% of trash

Full Trash Capture

Full Capture Removes 100% of Trash ...

The Full Trash Capture catch basin 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 while maintaining its ability to meet demanding flow requirements.



Full Capture Sizing

MODEL #	TREATMENT FLOW RATE (CFS)	BYPASS FLOW RATE (CFS)	STORAGE CAPACITY (CU FT)
BIO-CURB-FULL-12	2.85	UNLIMITED	0.70
BIO-CURB-FULL-24	2.85	UNLIMITED	1.40
BIO-GRATE-FULL-12-12-12	1.04	1.24	0.15
BIO-GRATE-FULL-18-18-12	1.78	2.79	0.33
BIO-GRATE-FULL-24-24-12	2.70	4.96	0.59
BIO-GRATE-FULL-24-40-12	3.70	6.35	0.88
BIO-GRATE-FULL-24-24-24	7.31	4.96	1.22
BIO-GRATE-FULL-24-40-24	9.53	6.35	1.82
BIO-GRATE-FULL-36-36-24	11.93	7.74	2.73

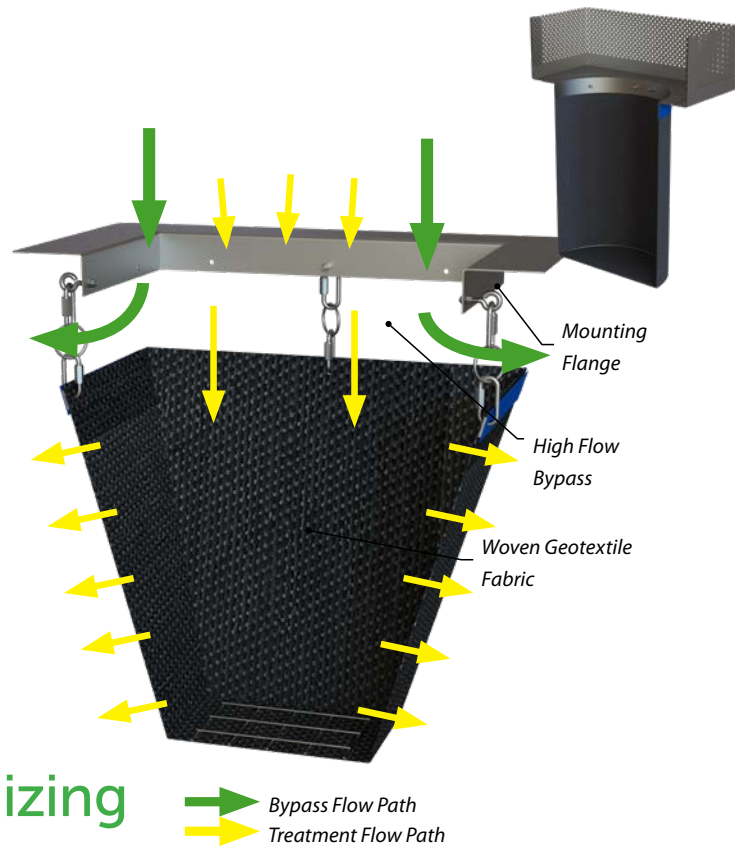
Note: Flow rate includes safety factor of two for screen capacity. Storage capacity based on filter basket at 50% full.

Fabric Sediment Filter

The Fabric Sediment Filter offers an affordable solution to capture total suspended solids (TSS) from stormwater before it enters the conveyance system. With a stainless-steel frame, the Standard Sediment Filter provided over 1000 lbs. of load capacity based in full scale load testing.

Applications include:

- 80% of Total Suspended Solids (TSS) Removal
- Over 1,000 LBS of Load Capacity Based in Full Scale Load Testing



Standard Sediment Filter Sizing

MODEL #	TREATMENT FLOW RATE (CFS)	BYPASS FLOW RATE (CFS)	STORAGE CAPACITY (CU FT)
BIO-CURB-FABRIC-12	1.50	UNLIMITED	0.88
BIO-CURB-FABRIC-24	2.85	UNLIMITED	1.77
BIO-GRATE-FABRIC-12-12-12	0.47	1.24	0.15
BIO-GRATE-FABRIC-18-18-12	0.79	2.79	0.33
BIO-GRATE-FABRIC-24-24-12	1.18	4.97	0.59
BIO-GRATE-FABRIC-24-40-12	1.61	6.35	0.88
BIO-GRATE-FABRIC-24-24-24	2.01	4.96	1.22
BIO-GRATE-FABRIC-24-40-24	2.58	6.35	1.82
BIO-GRATE-FABRIC-36-36-24	3.18	7.74	2.73

Flow rate includes safety factor of two for screen capacity.
 Storage capacity based on filter basket at 50% full.

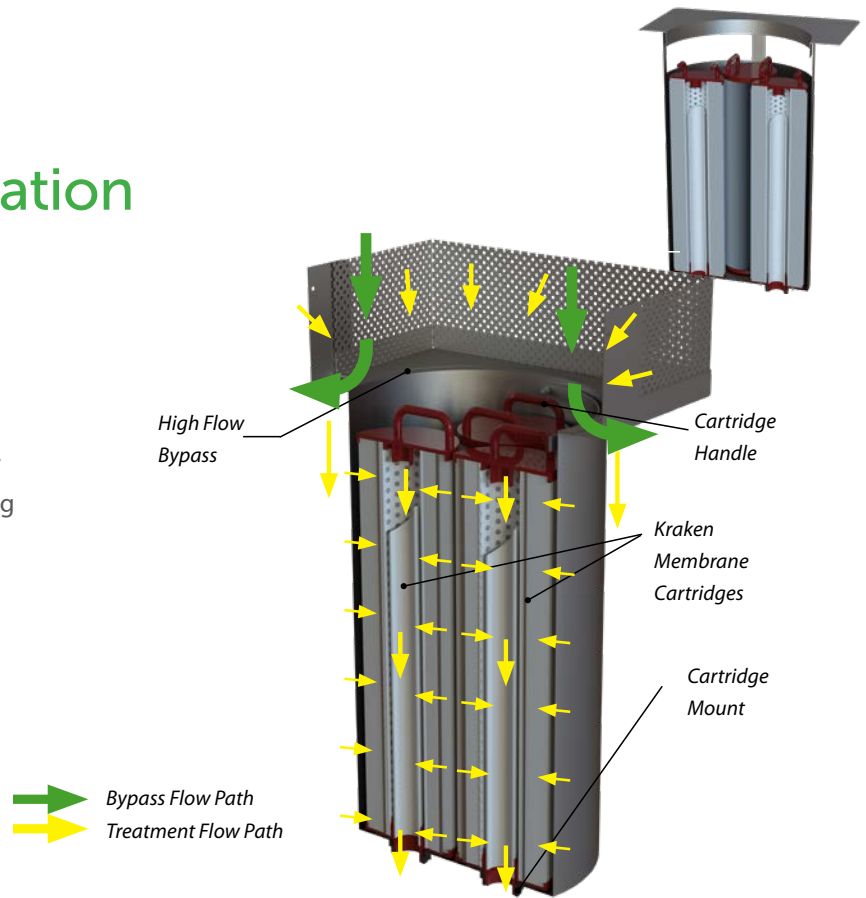
Built to last longer than other trash capture filters

Kraken® Membrane Filtration

Advanced-Level Filtration ...

The Kraken Catch Basin Insert is an advanced filtration device designed with Kraken membrane filtration cartridges for increased removal efficiencies. Kraken Filter cartridges are removable and reusable after spray cleaning with a garden hose.

- 100% of Trash Removal
- 85% Removal of TSS



Kraken® Filter Type Sizing

MODEL #	TREATMENT FLOW RATE (CFS)	BYPASS FLOW RATE (CFS)	STORAGE CAPACITY (CU FT)
BIO-CURB-KMF-23	0.071	UNLIMITED	1.29
BIO-GRATE-KMF-12-12-29	0.024	0.52	0.39
BIO-GRATE-KMF-18-18-29	0.024	2.51	1.21
BIO-GRATE-KMF-24-24-29	0.094	5.31	1.77
BIO-GRATE-KMF-24-40-29	0.017	10.39	3.05
BIO-GRATE-KMF-36-36-39	0.017	12.53	4.10

Note: Flow rate based on loading rate of 0.1 gpm/sq ft. Storage capacity based on filter basket at 50% full. All models are 30" tall to accommodate a full size Kraken Cartridge.

Bio Clean® Catch Basin Inlet Filter Maintenance



Filters can be maintained by a vac truck or by hand.



STORMWATER
SOLUTIONS



PIPE
SOLUTIONS



STRUCTURES
SOLUTIONS

Few companies offer the wide range of high-quality stormwater resources you can find with us — state-of-the-art products, decades of expertise, and all the maintenance support you need to operate your system cost-effectively.

THE CONTECH WAY

Contech® Engineered Solutions provides innovative, cost-effective site solutions to engineers, contractors, and developers on projects across North America. Our portfolio includes bridges, drainage, erosion control, retaining wall, sanitary sewer and stormwater management products.

TAKE THE NEXT STEP

For more information: www.ContechES.com

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