



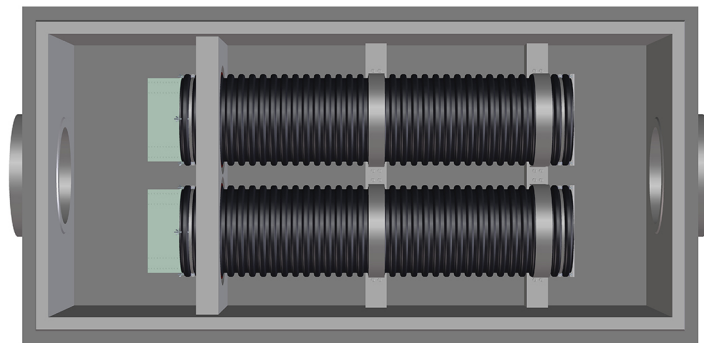
Evolved Stormwater Solutions

HELIX HIGH FLOW FILTER SYSTEM

The Helix is a next generation, high flow stormwater filter that can be housed in a vault or installed directly into an outfall pipe. When applied with Fabco's proven FabGuard antimicrobial media, it can treat bacteria at a large scale.

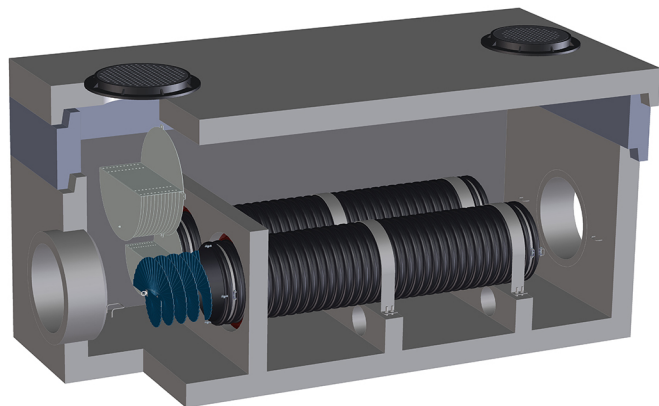
EFFECTIVE TWO-STEP TREATMENT PROCESS

The Fabco Helix vault has a two-step treatment process that incorporates an inlet chamber used to reduce clogging from sediments and debris, and a secondary treatment chamber that houses Fabco's Helix filter elements. Coarse pollutants contained in the stormwater runoff are captured upfront. This sediment separator treats water at higher flow rates and can be serviced from the surface level with a vacuum truck. The pre-treated water exiting the first chamber will keep the Helix filters cleaner, helping maintain the flow rates and effectiveness while minimizing the need for maintenance.



PATENTED HELIX FILTER TECHNOLOGY

The horizontal filter column design provides great flexibility for selecting the appropriate filter length and diameter for given flow rate. The helix elements inside the columns function as a multiple disk filter, providing tremendous surface area for treatment. The spiral form offers multiple flow paths through the filter which allows the system to maintain a high flow rate while significantly reducing clogging potential.



Each Helix filter column has a designed treatment flow rate of approximately 3 cubic feet/sec. Helix filters are offered as single, double and triple column systems. Filter cartridges are replaceable and can be accessed through a standard 36" diameter manhole provided in the vault.

Also, each Helix filter column is supplied with an inlet diffuser which is designed to keep any debris that passes through the sediment separator out of the filter column. Of course, as a final precaution, each Helix filter system also incorporates a full overflow bypass.



Bowman
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Cascade
GEOSYNTHETICS

LOCATIONS & CONTACT INFO

ASP ENTERPRISES

aspent.com
salesasp@aspent.com

BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com
salesbcs@bowmanconstructionsupply.com

QUICK SUPPLY CO.

quicksupplyco.com
salesquick@quicksupplyco.com

CASCADE GEOSYNTHETICS

cascadegeos.com
salescascade@cascadegeos.com

St. Louis, MO 636.343.4357
Omaha, NE 402.861.8579
Kansas City, MO 816.554.1191
Wichita, KS 316.393.1554

Denver, CO 303.696.8960
Colorado Springs, CO 719.257.7840
Loveland, CO 970.535.0863

Des Moines, IA
515.289.1271

Portland, OR
971.339.1020

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- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

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