FERGUSON WATERWORKS

GEOCURVE

CURB-INLET FILTER

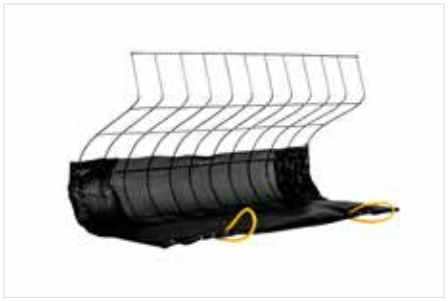
INNOVATIVE INLET PROTECTION THAT IS RECESSED & REUSABLE.

The GeoCurve Inlet Filter is an innovative device to comply with the EPA's general stormwater requirements and best management practices. National organizations such as the EPA and NPDES issue stormwater treatment requirements in an effort to protect the cleanliness of our environment. The effectiveness of the GeoCurve aligns with NPDES' need to filter out pollutants and/or prevent pollution by controlling it at its source. Many of the current conventional solutions do not provide the required degree of treatment. Now is the time for the GeoCurve to be utilized as a tool to help restore compliance and further protect the future of our environment.

More often than not, stormwater inlets drain to creeks and tributaries that are connected to rivers, which ultimately drain into the planet's oceans. The degree of pollution experienced in our waterways and oceans are directly attributed to the amount of stormwater that we are allowing to be untreated. We should be responsible stewards of our environment. Successful stormwater treatment is now achievable with the GeoCurve.

ADVANTAGES

- Compresses to fit snugly into the curb inlet with no protrusion into the curb line or street
- No pedestrian or vehicle hazard, and no need for extra connection elements (sand bags, erosion control logs, etc)
- Effective filtering of stormwater, while capturing all debris from large pollutants to fine sediments and silts
- The high flow filter and overflow feature encourages stormwater flow into inlet
- Does not force water into the street or cause street flooding
- Easy to install – simply push into place with garden rake.
- Does not force water into the street or cause street flooding
- Easy to maintain – simply remove, discard collected pollutants, and reinstall
- Easy to remove- pull handles at the bottom of the GeoCurve and pull it out



GEOCURVE
STORMWATER CURB INLET FILTER

For more information about inlet protection, contact inside sales at **800.448.3636** or **infogeo@ferguson.com** or visit us at **fergusongss.com**

BENEFITS & FEATURES

- The GeoCurve has been hydraulically tested to provide superior performance
- The GeoCurve is installed as a standard BMP throughout the United States, and it is available through local distributors in your area
- The shape of the GeoCurve allows it to nest on top of itself for easy storage and transportation in an effort to cut down on freight expenses
- The GeoCurve is available in multiple diameters and lengths with an option to customize and modify the size
- If properly installed and maintained, the GeoCurve can be reused on multiple sites
- The recessed & reusable curb-inlet filter provides effective stormwater compliance while also maintaining the aesthetic of the protected property
- Sediment and trash are contained in the device allowing easy maintenance and disposal of pollutants. Improved filtration can be accomplished by adding various filter elements

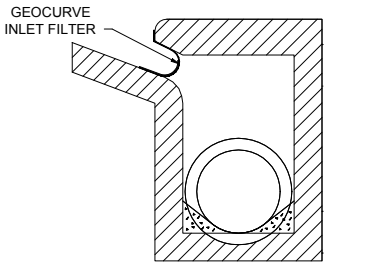
SPECIFICATIONS

PROPERTY	TEST METHOD	VALUE
DEVICE		
Device Flow Rate	*Empirical Flow Test*	*300 gal/min/sf of inlet open area*
FILTER FABRIC: Monofilament Woven Filter Fabric		
Fabric Weight	ASTM D 3776	4.5 oz/sy
Grab Tensile Strength	ASTM D 4632	200 lbs
Mullen Burst Strength	ASTM D 3786	410 lbs/sq in
UV Stability	ASTM D 4355	80%
Water Flow Rate	ASTM D 4491	200 gal/min/sf

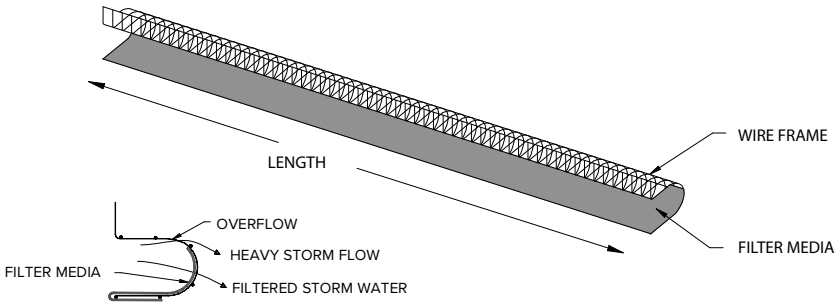
COMPRESSION FIT TECHNOLOGY

GeoCurve has served the stormwater industry as an innovative approach to maintaining compliance through a cost-effective, high-performance, and easy-to-handle product. The GeoCurve snaps into the mouth of the curb inlet, allowing the product to function while remaining properly recessed within the inlet. The GeoCurve is essentially invisible to the untrained eye, making it an ideal solution for inlet protection on urban sites. Stormwater is encouraged to enter the mouth of the inlet, while all of the captured debris/sediment rests out of harm's way, hidden from oncoming traffic and pedestrians.

DESIGN



CROSS-SECTION SHOWING PLACEMENT OF GEOCURVE IN CURB INLET



GEOCURVE INLET FILTER CROSS-SECTION

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INSTALLATION

The GeoCurve is easily installed into a curb inlet in a few minutes!

The following tools may be required to manipulate the GeoCurve on site, to fit nontraditional inlet widths:

- Wire Cutters
- Staple/Hog Ring Gun with fasteners
- Scissors
- Garden Rake or Push Broom

1 Lay the GeoCurve in front of the curb inlet opening to determine if the length of the filter needs to be adjusted to fit into the inlet.

2 Adjust the length of the device as required by first clipping along the outside of the vertical wire rung in a straight line. *Note: clipping inside the vertical wire rung results in weakening the strength of the wire mesh, as well as causes a safety hazard from the protruding horizontal wire rungs.*

3 If necessary, use your scissors to cut the extra fabric to a manageable length, so that it sticks out 6”-8” past the outside vertical rung of the wire mesh.

4 Fold the extra fabric behind the device by creasing the fold a few inches from the wire mesh to portray a fabric “wing” off the side of the GeoCurve. Staple the fabric to the wire mesh on the backside of the GeoCurve. These “wings” will help seal the gap between the GeoCurve and the side walls of the precast curb inlet, to prevent any debris from sneaking past the GeoCurve’s filter fabric.

5 Place the GeoCurve in the throat of the inlet and progressively force the device into the throat of the inlet starting from one end and moving toward the opposite end. The device should be forced into the inlet with a device to spread the pushing force over a min. 12 inch length. This can be accomplished with a garden rake or a push broom. The device is properly installed when the upper retention flange is tight against the top of the inlet and the body of the device is fully within the inlet throat and straight along the front lower edge.

MAINTENANCE

The device is designed to capture sediment and debris within the throat of the device. It is recommended to remove the accumulated silt when it reaches a depth of 2 inches or 1/3 of the inlet height. Collected sediment & debris can be removed in one of two ways.

1 Accumulated trash can be hand-picked from the device. Accumulated silt can be removed using a shovel or vacuum truck.

2 The device can be removed per the following removal instructions. As the device is removed from the inlet, the collected material is retained in the “C” shaped trough of the device. The collected debris and sediment can be disposed of by turning the device upside down in a designated area. Upon cleaning the device, it can be replaced into the inlet for additional service.

REMOVAL

The GeoCurve is easily removed from the curb inlet by progressively pulling out the device from the throat of the inlet, starting from one end and moving toward the opposite end. The device is to be pulled from the bottom lip of the device by using the yellow rope handles or by grabbing the bottom lip of the device and rotating the unit counterclockwise from the curb inlet mouth. As the GeoCurve Inlet Filter is pulled out from the inlet from the bottom lip, the inlet filter is now laying on its’ back so that the device resembles a “U” shape. The collected sediment and debris are now contained in the “U” shaped trough ready for disposal in a designated location.

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