

# FlexStorm Lite™

## Inlet Filters

FlexStorm Lite inlet filters are a temporary, rigid frame alternative to fabric-only inlet protection. FlexStorm Lite filters are custom made for each specified inlet and allows job sites to remain SWPPP compliant during construction.

### Applications

- Residential developments
- Commercial developments
- Roadway construction

### Features

- High-flow filter bags with 82% filtration efficiency
- Low-profile framing fits into offset castings and avoids concrete interference
- Rigid frame supports itself on the grate ledge, even when grate is removed and bag is full
- Bypass feature built into the bag, prevents flooding during a major storm event or when bag is filled
- Reusable

### Benefits

- Reduces job site flooding
- Prevents hazardous road conditions by eliminating ponding at curb inlets
- Prevents siltation and pollution of rivers, lakes & ponds
- Installed and maintained by one worker, without additional equipment
- Filter installed below grade to prevent traffic interference



# FlexStorm Lite Inlet Filters Specification

## Material and performance

FlexStorm Lite meets ASTM D8057 and is comprised of a corrosion resistant steel frame and a replaceable geotextile filter bag. The filter bag hangs suspended below the grate that shall allow full water flow into the drainage structure if the bag is completely filled with sediment. The standard woven "FX" filter bags are rated for 200 gpm/sqft with a removal efficiency of 82% when filtering a USDA Sandy Loam sediment load.

## Installation

1. Remove the grate from the inlet.
2. Clean the grate ledge to ensure it is free of debris.
3. Suspend the inlet filter onto the load bearing ledge of the structure.
4. Replace the grate and confirm it is not elevated more than  $\frac{1}{8}$ " (3 mm).
5. Curb inlet filters will utilize a flap to cover the curb hood. The flaps can be trimmed or staked down behind the curb.

## Frequency of Inspections

Inspection should occur following rain events greater than  $\frac{1}{2}$ " (13 mm) and should be monitored accordingly to current site runoff conditions.

## Maintenance Guidelines

1. Empty the filter bag manually or by industrial vacuum taking care not to damage the geotextile bag when more than half filled or during scheduled inspection period.
2. Remove compacted silt from sediment bag and flush with medium spray.
3. Inspect and replace bag if torn or punctured.

