

# GRATEMASTER™ PERMANENT INLET PROTECTION

INLET PROTECTION

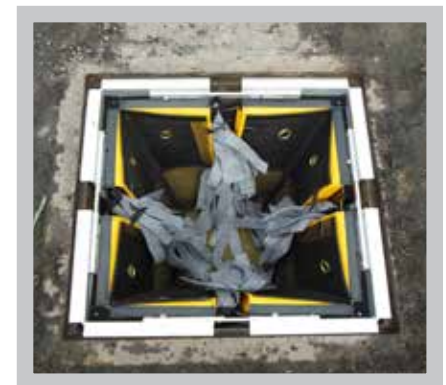
**Gratemaster™ is a permanent inlet protection device designed to protect drainage structures from sediment and debris in post construction applications.**



Measuring a drop inlet in the field is no easy task, and asking for exact dimensions is an unrealistic expectation. That is why ACF created the Gratemaster™, the industry's first post-construction catch basin insert with an adjustable frame. The Gratemaster™ takes the rigor out of permanent inlet protection while still protecting the drainage system from sediment, trash and debris. The high flow filter snaps in and out easily, making maintenance a quick trip, not an all day event. In cases where pollutants are a concern, Gratemaster's™ X-TEX strips sit inside the unit, coming in contact with all storm water that passes through the device. The Gratemaster™ is adjustable in 8" increments and comes in 5 stock sizes. If you come across another size give us a call, we can custom design the unit to fit unique sizes.



TypeA: Standard Model



Type C: X-TEX Model

## ADVANTAGES:

- Easy installation
- Adjustable frame
- Strong, lightweight, portable
- Designed for post construction use
- Proven, reliable performance
- Reusable and easy to clean
- High Visibility / Added jobsite safety

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For more information about Inlet Protection, contact Inside Sales at 800.448.3636  
email at [info@acfenv.com](mailto:info@acfenv.com)

# INSTALLATION

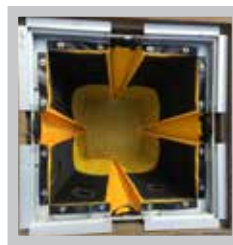
LET'S GET IT DONE



Insert the frame into the drop inlet.



Adjust the frame to fit the inlet and lock it in place.



Place the Gratemaster™ filter inside the aluminum frame.



Connect filter using turn buttons on frame



Installed Gratemaster™!

## SPECIFICATIONS:

Filter Insert will utilize woven geotextile fabric with the following characteristics:

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUE
Grab Tensile Strength	ASTM D-4632	365 x 200 lbs
Grab Tensile Elongation	ASTM D-4632	24 x 15%
CBR Puncture	ASTM D-6241	750 lbs
Wide Width Tensile Ultimate	ASTM D4595	2400 x 1680 lbs/ft
Trapezoid Tear Strength	ASTM D-4533	115 x 75 lbs
UV Resistance @ 500 hrs	ASTM D-4355	90%
Apparent Opening Size (AOS)	ASTM D-4751	40 US Sieve
Permittivity (sec-1)	ASTM D-4491	2.1 (sec <sup>-1</sup> )
Flow Rate	ASTM D-4491	145 gpm/ft <sup>2</sup>

## REMOVAL RATE CHART:

Below is data developed for simulated sediment laden runoff from a 100 ft. long, 3:1 slope exposed to a 4" storm event:

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUE
Flow Rate (gal./min.)	ASTM-D 7351	16 gal. min.
Calculated Water In (lbs.)	ASTM D-7351	798 lbs.
Calculated Soil In (lbs.)	ASTM D-7351	47.88 lbs.
Calculated Soil Captured (lbs.)	ASTM D-7351	41.46 lbs.
Calculated Removal Rate	ASTM D-7351	86.59%

Note: Gratemaster™ is adjustable in 8" increments in both length and width; estimated grate sizing is required. All units are manufactured with a 24" depth unless otherwise specified. X-TEX strips are an optional addition to the Gratemaster™.

## SIMILAR PRODUCTS IN THIS FAMILY:

### CURBMASTER



### GRATEGATOR

