

# TRASH GUARD PLUS®

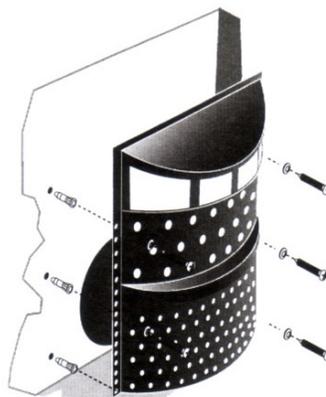
## STORMWATER PRETREATMENT DEVICE

INLET PROTECTION

### STORMWATER PRETREATMENT DEVICE THAT CAPTURES DEBRIS, SEDIMENT AND FLOATABLES

Trash Guard Plus is a patented catch basin filter designed to trap and filter solid materials and floatables out of stormwater runoff while maintaining water flow. These devices have been proven through extensive testing and come in three screen sizes for use with discharge pipes with <24" diameter. A calculator to help design professionals select the appropriate screen size is available. Each screen can be adjusted at installation to accommodate low flow stormwater events of 10 cfs or more.

Installation of a Trash Guard Plus screen is relatively straightforward and quick with no heavy equipment required. As with any catch basin filter, regularly scheduled maintenance to reduce clogging or flooding is necessary. With the Trash Guard Plus, it is recommended that these units be inspected and cleaned every 3 months (or after any major weather event).



#### ADVANTAGES:

- Made from 100% HDPE
- Optional bottom plate available for rounded bottoms
- Optional retaining rails available for plate removal
- Simple retrofits to existing catch basin
- Installs easily without heavy equipment
- Adjusts to irregular catch basin bottoms and/or walls
- Helps eliminate stormwater trash at public parks, beaches, and within the waterways

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## TRASH GUARD PLUS® INSTALLATION:

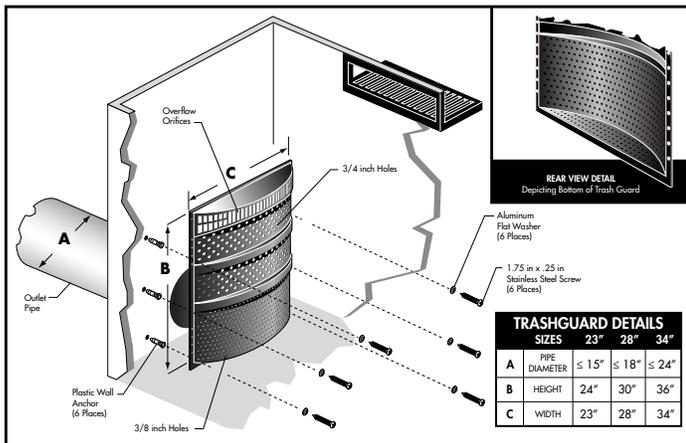
Trash Guard Plus can be installed in a variety of catch basin configurations (or field conditions). In general the Trash Guard Plus is mounted on the catch basin wall, centered over the outlet pipe.

Before installing the device, a hydraulic calculation should be performed to determine maximum flow rate based on depth of the catch basin and size of Trash Guard Plus used. This calculated model will determine maximum flow rate with no obstructions or varying amounts of trash build up, and determine the drainage area required to support the calculated flow rate. Allowable trash build up and drainage area required for trash build up will determine maintenance frequency. Every 3 months is recommended at minimum, with additional cleanings after major weather events.

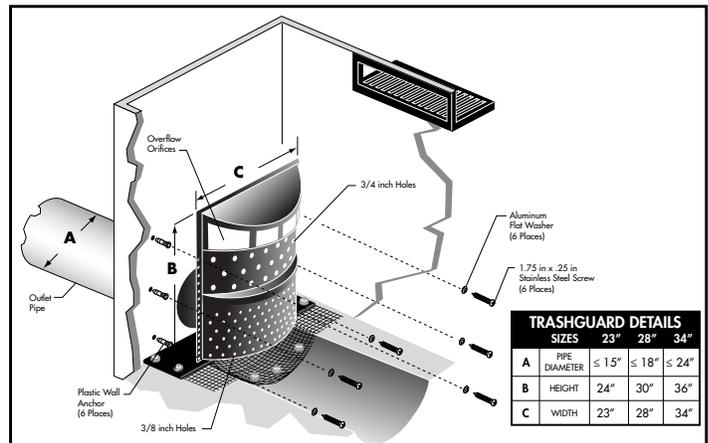
If catch basin conditions allow an increased flow rate and additional vertical capacity is desired, a model can be calculated to determine flow rate when extending Trash Guard Plus from 1" - 7" from the catch basin wall. As above, this calculated model will determine maximum flow rate with no obstructions or varying amounts of trash build up.

For assistance with calculations, please reach out to our team.

### Flat-Bottom Catch Basin - Trash Guard Plus Installation



### Rounded Bottom Catch Basin - Trash Guard Plus Installation



Several other installation options are available.

**WARNING:** Improper installation of the Trash Guard Plus® or failure to keep the area around the Trash Guard Plus® free from sediment, debris and litter after installation may result in clogging of the stormwater drainage system and increase the risk of flooding during times of heavy rainfall. It is important to clear sediment, debris and litter from around the Trash Guard Plus® at least four (4) times a year and more frequently in areas with large amounts of vegetation or litter. Please contact your local Trash Guard Plus® distributor with any questions regarding the installation or regular maintenance requirements of the Trash Guard Plus®.



LET'S GET IT DONE

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acfenvironmental.com