

SILTSACK SEDIMENT CAPTURE DEVICE

INLET PROTECTION



Are you looking for a cost-effective, easy way to stop sediment from entering catch basins on construction sites? Siltsack is the simple and economical solution to protecting storm drains from construction runoff.

Siltsack is a temporary catch basin filter that removes sediment, trash and debris from entering a catch basin. Available in both high flow and regular flow, Siltsack can be manufactured with built-in curb deflectors and overflow holes.

Routine inspection of a Siltsack's collected sediment level is important to prevent "ponding" around storm drains.



Type A - Installed.



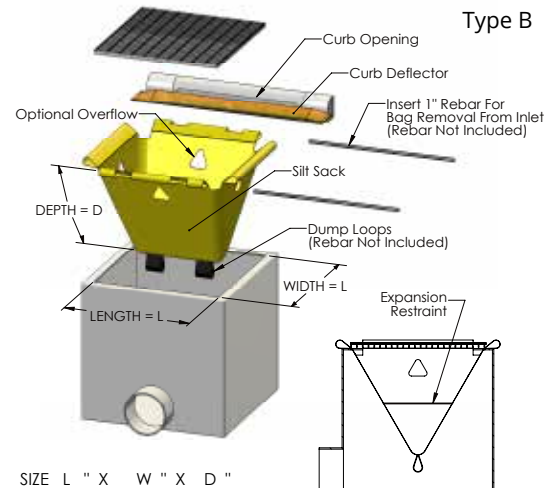
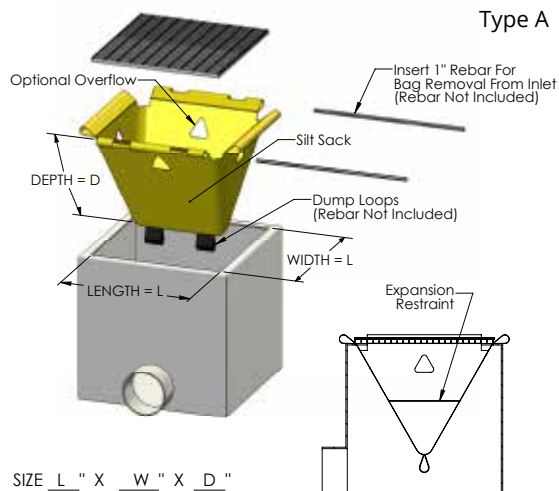
Type C - Adjustable hanging frame. Adjusts from 16x24 to 24x36.



Type D - Installed.

ADVANTAGES:

- Made to fit any size inlet
- Easy to Install and economical
- US Patented
- Custom sizes available
- Undergrate design so it is not easily disturbed
- Type B, Type C Adjustable Frame, and Floc Model available
- Type D Fixed Frame models available



SPECIFICATIONS

1.0 Description

1.1 This work shall consist of furnishing, installing, maintaining, and removing Siltsack sediment control device as directed by the engineer or as shown on the site drawings.

2.0 Materials

2.1 Siltsack®

2.1.1 Siltsack shall be manufactured from a specially designed woven polypropylene geotextile and sewn by a double needle machine, using a high strength nylon thread.

2.1.2 Siltsack will be manufactured to fit the opening of the catch basin or drop inlet. Siltsack will have the following features: two dump straps attached at the bottom to facilitate the emptying of Siltsack; Siltsack shall have lifting loops as an integral part of the system to be used to lift Siltsack from the basin; Siltsack shall have a restraint cord approximately halfway up the sack to keep the sides away from the catch basin walls, this yellow cord is also a visual means of indicating when the sack should be emptied. Once the cord is covered with sediment, Siltsack should be emptied, cleaned and placed back into the basin.

Siltsack Regular Flow

Property	Test Method	Units	Typical Roll Value
			Test Results
Grab Tensile	ASTM D-4632	lbs.	167.5x300
Grab Elongation	ASTM D-4632	%	10x15
Puncture Strength	ASTM D-4533	lbs.	900
Trapezoid Tear	ASTM D-4533	lbs.	65x90
UV Resistance (@500 hrs)	ASTM D-4355	%	96
AOS	ASTM D-4751	US Sieve	30
Flow Rate	ASTM D-4491	gal/min/ft ²	66
Permittivity	ASTM D-4491	sec ⁻¹	0.862

SILTSACK® High Flow

Property	Test Method	Units	Typical Roll Value
			Test Results
Grab Tensile	ASTM D-4632	lbs.	212x164
Grab Elongation	ASTM D-4632	%	31x19
Puncture Strength	ASTM D-4833	lbs.	86

SILTSACK® High Flow (cont.)

Property	Test Method	Units	Test Results
Trapezoid Tear	ASTM D-4533	lbs.	90x71
UV Resistance	ASTM D-4355	%	99.4
AOS	ASTM D-4751	US Sieve	20
Flow Rate	ASTM D-4491	gal/min/ft ²	100.6
Permittivity	ASTM D-4491	sec ⁻¹	4.81

3.0 Construction Sequence

3.1 General

3.1.1 To install Siltsack in the catch basin, remove the grate and place the sack in the opening. Hold approximately six inches of the sack outside the frame. This is the area of the lifting straps. Replace the grate to hold the sack in place.

3.1.2 When the restraint cord is no longer visible, Siltsack is full and should be emptied.

3.1.3 To remove Siltsack, take two pieces of 1" diameter rebar and place through the lifting loops on each side of the sack to facilitate the lifting of Siltsack.

3.1.4 To empty Siltsack, place unit where the contents will be collected. Place the rebar through the lift straps (connected to the bottom of the sack) and lift. This will lift Siltsack from the bottom and empty the contents. Clean out and rinse. Return Siltsack to its original shape and place back in the basin.

3.1.5 Siltsack is reusable. Once the construction cycle is complete, remove Siltsack from the basin and clean. Siltsack should be stored out of sunlight until next use.

4.0 Basis of Payment

4.1 Payment for all Siltsacks used during construction is to be included in the bid price for the overall erosion and sediment control plan unless unit price is requested. Maintenance of Siltsack also to be included in this price.

*Siltsack is covered by U.S. Patent No. 5,575,925.

SIMILAR PRODUCTS IN THIS FAMILY:

GRATEGATOR



SEDI BAG



DRAIN GUARD



LET'S GET IT DONE

800.448.3636
acfenvironmental.com

