

# SILTSACK NW

## INLET FILTER

### PREVENTS OIL, SEDIMENT AND OTHER POLLUTANTS FROM ENTERING THE WATER SYSTEM

Stormwater pollution has become a major concern both locally and nationally. Siltsack NW combats this issue by removing waste from stormwater before it can become a problem in the water system.

Its geotextile fabric and easy installation make it ideal for industrial facilities, construction sites and parking lots where stormwater runoff is likely to carry oil, eroded soil, debris and fuel contaminants.

Siltsack NW exceeds an 80% sediment removal efficiency and helps comply with NPDES, 40 CFR 122.26 (1999) when used as best management practice in stormwater pollution prevention plans.

## AVAILABLE UNITS

- Sack NW 36" x 48"
- Siltsack NW 60" x 60"
- Siltsack NW LD: Light duty adjustable frame (with overflows)
- Siltsack NW HD: Heavy duty adjustable frame (with overflows)

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

Siltsack NW seams have been tested by a third party laboratory under ASTM D-4884 (Standard Test Method for Strength of Sewn or Bonded Seams of Geotextiles). The results are listed in Table 1 below

#### Siltsack NW Seam Strength Results (ASTM D-4884)

Maximum Load: 786 lbs
Maximum Strength: 1,178 lbs/ft

## ADVANTAGES

- U.S. Patented
- Weight of grate holds NW unit securely in place
- Multiple frame sizes available
- Keep debris, silt, and sediment out of storm system
- Eliminates or reduces the need to flush or clean inlets
- Easy to install and economical
- Undergrate design so it is not easily disturbed



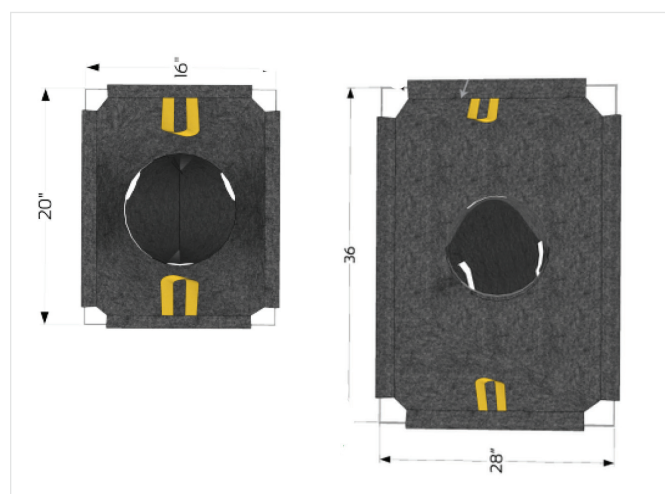
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## SPECIFICATIONS

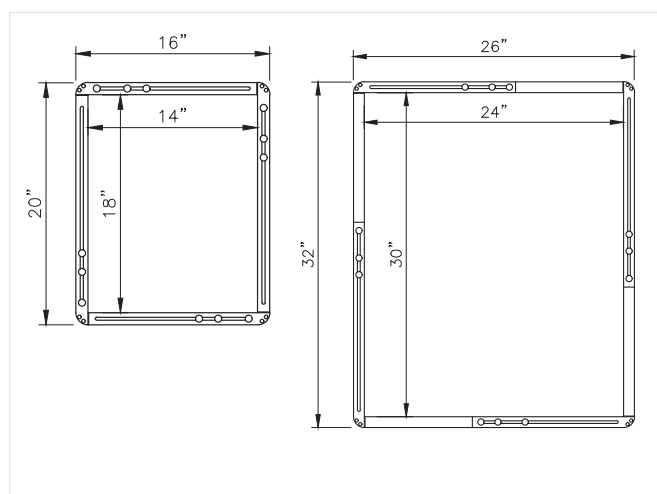
SiltSack NW is manufactured using a nominal 8 oz non-woven polypropylene geotextile and restricts sediment, trash, and debris from entering a catch basin.

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Grab tensile	ASTM D-4632	lbs	205
Grab elongation	ASTM D-4632	%	50
CBR puncture	ASTM D-6241	lbs	500
Trapezoid tear	ASTM D4533	lbs	80
AOS	ASTM D4751	U.S. Sieve	80
Flow rate	ASTM D4491	gal/min/ft <sup>2</sup>	90
Permittivity	ASTM D4491	sec <sup>-1</sup>	1.4
UV resistance (@ 500 hrs)	ASTM D4355	%	70
Seam breaking strength	ASTM D4632 (Mod for seam strength)	lbs	160
Sediment removal	ASTM D7701	%	Exceeds 80% removal efficiency

## LD FRAME MODEL



## HD FRAME MODEL



## CONSTRUCTION SEQUENCE

- 1 To install SiltSack NW (HD/LD) in the catch basin, remove the grate and clean any debris from ledge of grate opening. Place SiltSack NW in the opening, holding approximately six inches of the sack outside of the frame. For Framed SiltSack NW models, position the SiltSack NW HD/LD on the ledge of the catch basin and adjust frame as needed for a snug fit. SiltSack NW HD/LD should extend to fit most common grate sizes. Reinstall the grate to hold the SiltSack NW (HD/LD) securely in place.
- 2 When the SiltSack NW is about 1/3 full (about 6 inches of sediment), it should be removed, emptied, cleaned, and replaced in catch basin.
- 3 To remove SiltSack NW, take two pieces of 1" diameter rebar and place through the lifting loops on each side of the sack to facilitate the lifting of the Silt Sack.
- 4 SiltSack NW is reusable. Units should be inspected after each significant storm/rain event. If full, simply remove the unit, empty and rinse it out. Return SiltSack NW to its original shape and place back in the catch basin. Once the construction cycle is complete, remove Silt Sack from the basin and clean. Silt Sack should be stored out of sunlight until the next use.
- 5 With proper maintenance and care, SiltSack NW units will work effectively after a year or more of continuous usage, with a typical life cycle of 6 months or more in areas with significant storm/rain events.

**Note:** This information is provided as reference only and is not intended as a warranty or guarantee. Ferguson Enterprises LLC assumes no liability in connection with the use of this information. (5/15/25).

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