

Silt Saver

Performance Based Sediment & Erosion Control Products



0921

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BSRF PRIORITY 1

Belted Silt Retention Fence – Priority 1
BSRF- P1 (Green Band)



NON-WOVEN HEAVY-DUTY SILT FENCE

BSRF PRIORITY 1 (GREEN BAND)

Designed for Use in
Heavy Duty Sensitive Areas

**3' X 48' PRE-STAKED ROLLS
OAK / HARDWOOD POSTS
SPACING AT 4' CENTERS**

Structural Integrity – Stormwater Release – Sediment Retention

- 36" wide, non-woven spun-bond polyester fabric with an internal fiberglass scrim for added support
- The continuous green band at the top of the fence, as well as a unique method of attachment (sandwiching the fabric between the wood post and a bonding strip) enhances the strength of the system
- Superior filtration in slurry conditions – exceeds Federal Guidelines with > 96% efficiency
- Fabric evaluated by University of GA, University of Central FLA, and TRI/Environmental

PERIMETER PROTECTION – SILT FENCE



BSRF PRIORITY 2

Belted Silt Retention Fence – Priority 2
BSRF- P2 (Black Band)



NON-WOVEN MEDIUM-DUTY SILT FENCE

BSRF PRIORITY 2 (BLACK BAND)

Designed for Use in
Medium Duty Sensitive Areas

**3' X 100' PRE-STAKED ROLLS
OAK / HARDWOOD POSTS
SPACING AT 6' CENTERS**

Structural Integrity – Stormwater Release – Sediment Retention

- 36" wide, non-woven spun-bond polyester fabric
- The continuous black band at the top of the fence, as well as a unique method of attachment (sandwiching the fabric between the wood post and a bonding strip) enhances the strength of the system
- Belt provides strong linear support & disperses weight between posts
- Superior filtration in slurry conditions - Exceeds 96% filtration efficiency

PERIMETER PROTECTION – SILT FENCE



WBSF STANDARD

Woven Belted Silt Fence (WBSF)
Superior Strength

WBSF System

Woven Belted Silt Fence

Five
>350 lb. tensile
strength belts woven
into the fabric



Structural Integrity - Stormwater Release - Sediment Retention

- Tough woven polypropylene geotextile that delivers consistent performance
- Internal belts used as attachment points allow fabric to hold maximum loads without additional reinforcement
- Wire and/or net reinforcement NOT required
- Belts provide linear support to disperse weight of stormwater and sediment over the full system.
- Enhanced durability reduces cost associated with replacement and repairs



Master Rolls	500'	1000'
No Splices - faster install	✓	✓
May be used with Metal Posts	✓	✓
May be used with Wood Posts	✓	✓

Pre-Assembled	48' Long	100' Long
4' Centers - Oak/Hardwood Posts	✓	
6' Centers - Oak/Hardwood Posts		✓



PERIMETER PROTECTION - SILT FENCE



WBSF 2 STAGE

Woven Belted Silt Fence (WBSF) 2 Stage Technology

WBSF System

Four
>350 lb. tensile
strength belts
woven
into the fabric



Storm Water Release

>300 gal/min/ft²
Stage 2

High Efficiency Sediment Retention

50 Sieve
>80 Gal/Min/Ft²
clear water flow
Stage 1

Structural Integrity - Stormwater Release - Sediment Retention

- Internal belts used as attachment points allow fabric to hold maximum loads without additional reinforcement
- Belts provide linear support to disperse weight of stormwater and sediment over the full system.
- Enhanced durability reduces cost associated with replacement and repairs
- The first stage above ground line is the high efficiency 50 sieve sediment retention stage
- 2 Stage technology allows stormwater to be released in a controlled manner during heavy rain events reducing the potential for overtopping and undermining
- "Skimming" the top portion of the storm water will reduce hydrostatic pressure on the silt fence system.
- Stormwater is slowly released the full length of the project, not only at the lowest portion.

Master Rolls	500'	1000'
No Splices - faster install	✓	✓
May be used with Metal Posts	✓	✓
May be used with Wood Posts	✓	✓

Pre-Assembled	48' Long	100' Long
4' Centers - Oak/Hardwood Posts	✓	
6' Centers - Oak/Hardwood Posts		✓





WBSF 2 STAGE COMBO

WOVEN BELTED SILT FENCE (WBSF) 2 STAGE TECHNOLOGY WITH HIGH VISIBILITY TOP



Structural Integrity - Stormwater Release - Sediment Retention

- Internal belts used as attachment points allow fabric to hold maximum loads without additional reinforcement
- Belts provide linear support to disperse weight of stormwater and sediment over the full system.
- Enhanced durability reduces cost associated with replacement and repairs
- The first stage above ground line is the high efficiency 50 sieve sediment retention stage
- 2 Stage technology allows stormwater to be released in a controlled manner during heavy rain events reducing the potential for overtopping and undermining
- “Skimming” the top portion of the storm water will reduce hydrostatic pressure on the silt fence system.
- Stormwater is slowly released the full length of the project, not only at the lowest portion.

WBSF 2 Stage Combo combines 2-Stage silt fence with a high visibility delineation top in one fence. Installing one fence to do two jobs saves money!



Master Rolls	500'	1000'
No Splices - faster install	✓	✓
May be used with Metal Posts	✓	✓
May be used with Wood Posts	✓	✓

Pre-Assembled	48' Long	100' Long
4' Centers - Oak/Hardwood Posts	✓	
6' Centers - Oak/Hardwood Posts		✓



HIGH VISIBILITY DELINEATION FENCE

Barrier Fence / Tree Save



Structural Integrity – Durability

- Woven high density polyethylene (HDPE) creating a more sustainable ultraviolet (UV) coloration and durable fabric
- Superior structural integrity due to unique method of attachment (sandwiching fabric between the post and a bonding strip)
- Available in **Orange** (Caution, warning, or danger)
- Available in **Green** (Water bodies and environmentally sensitive areas)

AVAILABLE IN PRE-STAKED 100 LINEAR FT ROLLS ON 8 FT CENTERS

DELINEATION FENCE-BARRIER FENCE



R100A ASSEMBLY

Frame and Filter Assembly
Round Base 60"



Round Base 60"

- ✓ Reusable polyethylene frame, replaceable filters
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Structural Integrity – Stormwater Release – Sediment Retention



Two Replaceable Filter Options

R100A - 2 STAGE DOT Filter

- Superior sediment filtration in slurry conditions
- Stage 1 - Sediment filtration (exceeds 96% efficiency)
- Stage 2 - High flow fabric top for stormwater release
- High visibility top marks inlet location



Stage 1



Stage 2



R100A - High Flow Filter

- Clear water flow of >1100 gpm/ft²
- Effective when high flow of water expected to prevent pooling
- Keeps trash & floatables out of pipe system
- Existing parking lots

INLET PROTECTION



R300B SPECIALTY ASSEMBLY

Frame and Filter Assembly
Round Base 60"



Round Base 60"

- ✓ Reusable polyethylene frame
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Structural Integrity – Stormwater Release – Sediment Retention



Two Replaceable Filter Options



R300B - 2 Stage DOT Specialty Filter

- Special design for specific states, VA, MA and others. Call for information.
- Superior sediment filtration in slurry conditions
- Stage 1 - Sediment filtration (exceeds 96% efficiency)
- Stage 2 - High flow fabric top for stormwater release
- High visibility top marks inlet location



Stage 1



Stage 2

R100A - High Flow Filter

- Clear water flow of >1100 gpm/ft²
- Effective when high flow of water expected to prevent pooling
- Keeps trash & floatables out of pipe system
- Existing parking lots

INLET PROTECTION



S200A ASSEMBLY

Frame and Filter Assembly
Square Base 62" X 62"



Square Base 62" X 62"

- ✓ Reusable polyethylene frame
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Structural Integrity – Stormwater Release – Sediment Retention

S200A - 2 STAGE DOT Filter

- Superior sediment filtration in slurry conditions
- Stage 1 - Sediment filtration (exceeds 96% efficiency)
- Stage 2 - High flow fabric top for stormwater release
- High visibility top marks inlet location



Stage 1



Stage 2

Two Replaceable Filter Options



S200A - High Flow Filter

- Clear water flow of >1100 gpm/ft²
- Effective when high flow of water expected to prevent pooling
- Keeps trash & floatables out of pipe system
- Existing parking lots

INLET PROTECTION



S400B SPECIALTY ASSEMBLY

Frame and Filter Assembly
Square Base 62" X 62"



Square Base 62" X 62"

- ✓ Reusable polyethylene frame
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Structural Integrity – Stormwater Release – Sediment Retention



Two Replaceable Filter Options

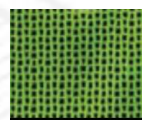


S400B - 2 Stage DOT Specialty Filter

- Special design for specific states, VA, MA and others. Call for information.
- Superior sediment filtration in slurry conditions
- Stage 1 - Sediment filtration (exceeds 96% efficiency)
- Stage 2 - High flow fabric top for stormwater release
- High visibility top marks inlet location



Stage 1



Stage 2

S200A - High Flow Filter

- Clear water flow of >1100 gpm/ft²
- Effective when high flow of water expected to prevent pooling
- Keeps trash & floatables out of pipe system
- Existing parking lots

INLET PROTECTION



A700A ASSEMBLY

Frame and Filter Assembly
Rectangle Base 38" X 57"



Rectangle Base 38" X 57"

- ✓ Reusable polyethylene frame
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Structural Integrity – Stormwater Release – Sediment Retention



Two Replaceable Filter Options



A700A - 2 STAGE DOT Filter

- Superior sediment filtration in slurry conditions
- Stage 1 - Sediment filtration (exceeds 96% efficiency)
- Stage 2 - High flow fabric top for stormwater release
- High visibility top marks inlet location



Stage 1



Stage 2

A700A - High Flow Filter

- Clear water flow of >1100 gpm/ft²
- Effective when high flow of water expected to prevent pooling
- Keeps trash & floatables out of pipe system
- Existing parking lots

INLET PROTECTION



A1000A ASSEMBLY

Frame and Filter Assembly
Square Base 36" X 36"



Square Base 36" X 36"

- ✓ Reusable polyethylene frame
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Structural Integrity – Stormwater Release – Sediment Retention



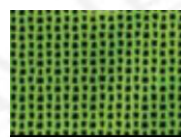
Two Replaceable Filter Options

A1000A - 2 STAGE DOT Filter

- Superior sediment filtration in slurry conditions
- Stage 1 - Sediment filtration (exceeds 96% efficiency)
- Stage 2 - High flow fabric top for stormwater release
- High visibility top marks inlet location



Stage 1



Stage 2

A1000A - High Flow Filter

- Clear water flow of >1100 gpm/ft²
- Effective when high flow of water expected to prevent pooling
- Keeps trash & floatables out of pipe system
- Existing parking lots

INLET PROTECTION



A1100A ASSEMBLY

Frame and Filter Assembly
Square Base 48" X 48"



Square Base 48" X 48"

- ✓ Reusable polyethylene frame
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Structural Integrity – Stormwater Release – Sediment Retention



Two Replaceable Filter Options



A1100A - 2 STAGE DOT Filter

- Superior sediment filtration in slurry conditions
- Stage 1 - Sediment filtration (exceeds 96% efficiency)
- Stage 2 - High flow fabric top for stormwater release
- High visibility top marks inlet location



Stage 1



Stage 2

A1100A - High Flow Filter

- Clear water flow of >1100 gpm/ft²
- Effective when high flow of water expected to prevent pooling
- Keeps trash & floatables out of pipe system
- Existing parking lots

INLET PROTECTION



LPR500 ASSEMBLY

Frame and Filter Assembly
Low Profile Rectangle 30" X 46" X 16"



Low Profile for Non-sump use
Rectangle 30" X 46" X 16"

- ✓ Reusable polyethylene frame
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Structural Integrity – Stormwater Release – Sediment Retention

LPR500A High Flow Filter



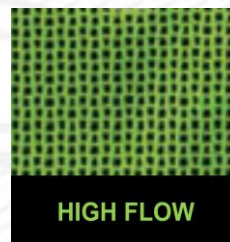
LPR500A-HF

High Flow Mesh
Frame size 30" x 46" x 16"

- Clear water flow of >1100 gpm/ft²
- Sediment filtration through rock bags
- Prevents pooling with high flow of water
- Keeps trash & floatables out of pipe system
- Existing parking lots
- For **non-sump conditions**



Non-Woven
Rock Bag



HIGH FLOW

INLET PROTECTION NON-SUMP



LPS600 ASSEMBLY

Frame and Filter Assembly
Low Profile Square 42" X 42" X 16"



- ✓ Reusable polyethylene frame
- ✓ Structural design for concentrated flow
- ✓ Fast, simple installation
- ✓ No failures due to stakes in uncompacted soil
- ✓ Consistent performance
- ✓ Practical, functional and economical

Low Profile for Non-sump use
Square 42" X 42" X 16"

Structural Integrity – Stormwater Release – Sediment Retention

LPS600A High Flow Filter



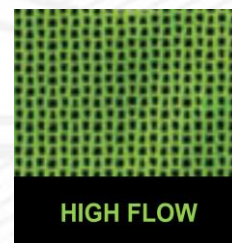
LPS600A-HF

High Flow Mesh
Frame size 42" x 42" x 16"

- Clear water flow of >1100 gpm/ft²
- Sediment filtration through rock bags
- Prevents pooling with high flow of water
- Keeps trash & floatables out of pipe system
- Existing parking lots
- For **non-sump conditions**



Non-Woven
Rock Bag



HIGH FLOW

INLET PROTECTION NON-SUMP



FLEXIBLE PEDESTAL INLET WRAP

Flexible Inlet Protection for Pedestal Top Inlets



16'6" long to accommodate maximum 60" inlet diameter

Flexible Inlet Protection for Pedestal Top Inlets

- Protection for raised surface inlets to prevent trash and floatables from entering system
- Reusable, durable, lightweight design
- Features belts and "D" rings for fast and simple installation
- Internal grid for structural support
- Requires no stakes

INLET PROTECTION



SS 300 CURB INLET FILTER

Curb Inlet Protection



Use multiple SS 300s for large curbs
Create adjustable weir with ends containing sand or stone bags.

Kit Includes: SS 300 Curb Inlet Filter/Pine Straw,
2 sandbag inserts and zip ties
(#57 stone or sand locally supplied by customer)



Single SS 300s for 5' curbs
Use of center weir recommended

Structural Integrity - Stormwater Release - Sediment Retention

- Place in front of a curb inlet or opening to prevent the migration of sediment into the storm drain system
- Pine straw wrapped in high flow-high visibility polyester green mesh with pockets for weighted bags on each end
- Biodegradable core materials offer an environmentally friendly alternative to the use of recycled materials that can pollute our waterways
- No rubber / sharp wire. Pine straw filling resists absorption of storm water and maintains shape.
- Flexible, light weight for easy shipping, hauling and installation. When filled with stone or sand, weighted bags keep filter in place and provide weir as needed
- Weighted bags provide weir and can be adjusted from 3" up to 9"



TRAVEL LANE WATTLE

High Visibility Sediment Log

Structural Integrity – Stormwater Release – Sediment Retention



Curb inlet protection, slope erosion control & stream protection

- ▶ Reusable sediment control device
- ▶ Pine straw wrapped in high flow-high visibility polyester green mesh
- ▶ Convenient handles for easy lifting
- ▶ Biodegradable natural core materials offer an environmentally safe alternative to the use of recycled rubber / wire materials that can pollute our waterways
- ▶ Pine straw core prevents mold and compaction often associated with traditional wheat straw wattles which can lead to ponding effects
- ▶ Flexibility, easy installation and maintenance



Available Sizes

9" DIAMETER X 10' LONG

9" DIAMETER X 15' LONG

9" DIAMETER X 22' LONG

SEDIMENT CONTROL



CHIP10 WATTLE

Weighted Chip Wattle

CHIP10-GR

High Visibility



CHIP10-WB



Nominal 9 inches diameter X 10 feet in length

Structural Integrity - Stormwater Release - Sediment Retention

Velocity dissipation and sediment retention

- ▶ Filled with kiln dried pine chips – biodegradable / weed and seed free
- ▶ Safe alternative to the use of recycled rubber / wire materials
- ▶ Option of two durable sleeves:
 - ▶ High visibility green polyester mesh
 - ▶ Black woven geotextile fabric
- ▶ Convenient handles for easy lifting
- ▶ Dry weight nominal 58 lbs. (weigh less for shipment and installation)
- ▶ Wet weight nominal 145 lbs. (stays in place)

SEDIMENT CONTROL

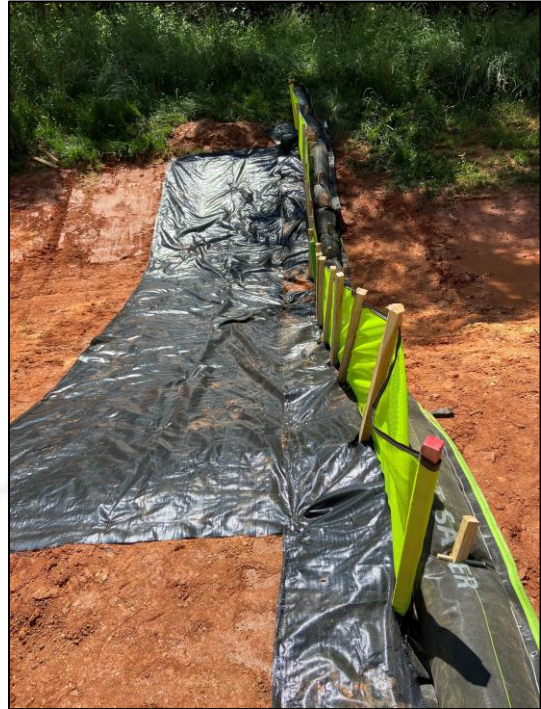


HIGH VELOCITY DITCH CHECK

Pre-assembled Check Dam



High Velocity Geotextile Ditch Check System showing front water seal with compression tubes and stakes



Rear scour guard

- Designed as a temporary barrier to slow the velocity of channel stormwater and facilitate controlled stormwater release through the fabric onto the rear scour guard
- A multi-component geotextile system with each piece contributing to system performance:
 - Velocity restrictor sheet prefabricated with posts
 - Attached front water seal and rear scour guard
 - Additional rear scour guard extension
 - Compression tubes with compression stakes
- Prefabricated and contoured to conform to the angles and length of ditch slopes – prevents bypass and provides strength to withstand channel flow
- Velocity restrictor sheet made from green mesh allows floatables to contribute to filtration of stormwater
- Pine chip filled compression tubes held in place with compression stakes prevent undermining
- Preassembled and sold as a kit to ensure quality control and consistency of installation
- **More effective, less costly, and less maintenance than traditional rock check dam**



Natural floatables contribute to filtration on green mesh of velocity restrictor sheet



****Patent Pending****

Structural Integrity - Stormwater Release - Sediment Retention



BDA-500 ASSEMBLY

Bottom Drain Attachment (BDA) Assembly

Creates an Enclosed Stormwater Filter System



BDA ASSEMBLY



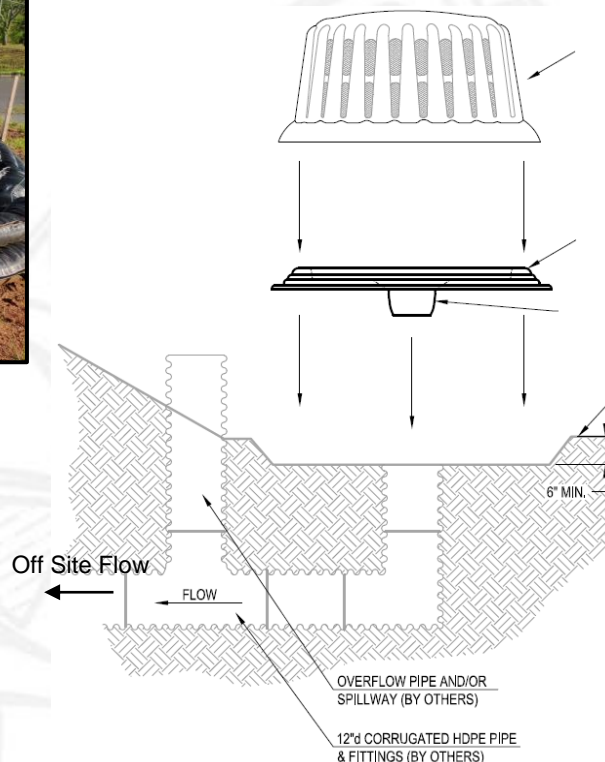
Specialty
R100A-DOT

Plus

BDA 500

- BDA Assembly creates a tiered temporary retention system
- May be used for construction sites that do not have space for larger retention ponds
- May be used individually or connected in series for linear job sites such as pipelines or transmission lines

Please note: 12" HDPE pipe and elbows are not sold by Silt Saver. Please source locally.

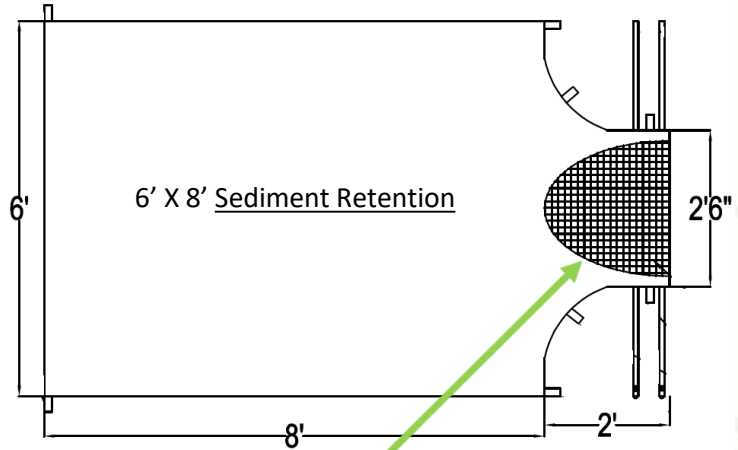


ENCLOSED STORMWATER FILTRATION SYSTEM



SLOPE DRAIN BAG

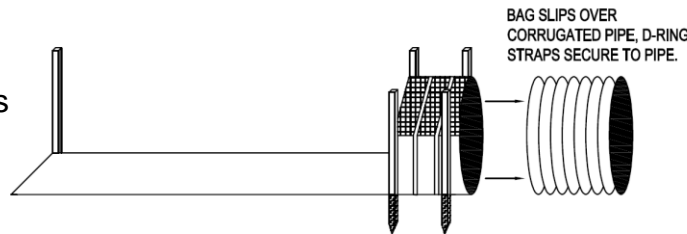
Sediment Collection



Part# SDB

Green mesh is for emergency storm water overflow

Kit includes 7 stakes



BAG SLIPS OVER
CORRUGATED PIPE, D-RING
STRAPS SECURE TO PIPE.

Designed to retain sediment from a 12" or smaller diameter temporary slope drainpipe. An emergency overflow has been provided in the top portion of the bag allowing excess stormwater to be released during heavy rain events and reducing the potential for separation of the slope drainpipe sections.

Structural Integrity - Stormwater Release - Sediment Retention

- Attaches to temporary slope drain for sediment collection
- Designed to fit 12" or smaller HDPE slope drainpipe.
- Built in emergency stormwater overflow, reduces force on the bag and slope drain system
- D-ring straps, stake loops and 7 stakes are used to secure the bag in place
- For use on construction sites, power plants, dredging areas and more to protect surrounding streams, property, and storm sewers



PIPE STOPPER

Sediment Collection

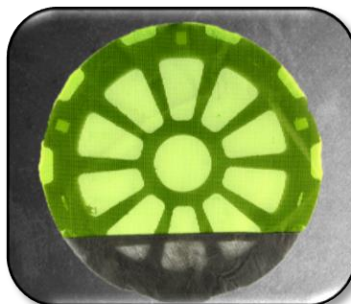


Available Sizes

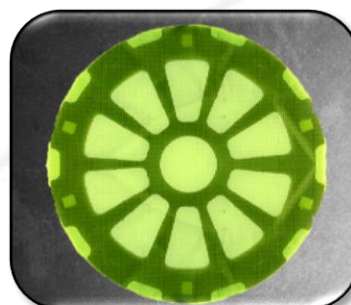
12"/15"/18"/24"/30"/36"

(sized to fit inside diameter of pipe)

2 Filter Options available



2 STAGE
DOT Filter



High Flow
(HF) Filter

Structural Integrity - Stormwater Release - Sediment Retention

Horizontal pipe device stays in place during construction retaining sediment and floatables while allowing the passage of stormwater



Friction fingers maintain placement

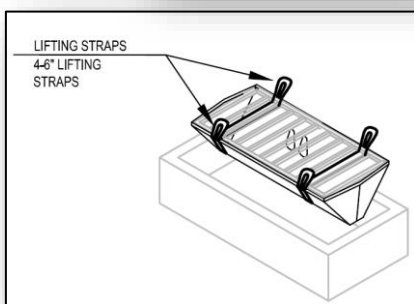
- Reduces costly pipe clean outs - Keeps floatables, and trash from entering pipe system
- Reusable HMWPE frame with replaceable filters that fit like a shower cap over the frame
- Clips into HDPE /concrete/ corrugated pipe
- Fast, easy installation and removal
- Designed for inlet side of pipe only

HORIZONTAL PIPE SEDIMENT COLLECTION



UNDER GRATE SEDIMENT BAG

Sediment Collection



Available Sizes

18"x36"
21"x29"
24"x24"
24"x36"
24"x48"
27"x27"
28"x36"
36"x36"
36"x48"
40"x55"

Structural Integrity - Stormwater Release - Sediment Retention

Designed for sediment collection

- Reduces costly basin and pipe system cleaning
- Fits unobtrusively under storm water drains in parking lots – does not impede traffic above
- Permeable geotextile fabric allows water filtration and sediment retention
- Reusable one piece design provides load supporting harness
- Long handles for easy installation and removal
- Built in overflow ports prevent flooding during rain events



DEWATERING BAG

Sediment Collection

SEDIMENT COLLECTION



Available Sizes

8 oz - 6' x 6' / 10' x 15' / 15' x 15'

Structural Integrity - Stormwater Release - Sediment Retention

A high efficiency, high pressure filtration bag designed to collect sediment from collected water in construction site dewatering applications and pipelines

- Custom designed neck with D-ring tie straps provides secure hose attachment to a variety of pump hose sizes up to 6"
- Protects surrounding streams, property, and storm sewers
- Prevents erosion



UNDER GRATE CITY BAG

Trash Collection



Available Sizes

12"x48"
24"x24"
24"x48"
27"x27"
28"x36"
36"x36"
40"x55"

Designed for trash collection in parking lots and city streets

- Reduces costly basin and pipe system cleaning
- Fits unobtrusively under storm water drain in parking lots – does not impede traffic above
- Permeable geotextile fabric allows water filtration
- Reusable one piece design provides load supporting harness
- Long handles for easy installation and removal
- High flow fabric (clear water flow of >1100 gpm/ft²) prevents flooding during rain events

TRASH COLLECTION



DRIVEWAY MAT

Construction Entry / Exit



17.5 feet x 50 feet

Part# D-600

- Designed for use during construction
- Woven 200 lb. geotextile fabric
- Creates a stabilizing layer between gravel and underlying dirt
- Reduces the amount of gravel required for installation and maintenance resulting in reduction of labor and overall cost

CONSTRUCTION ENTRY / EXIT