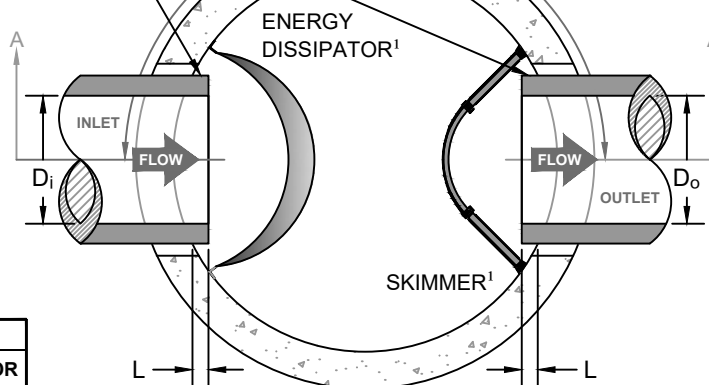


PLAN VIEW

FOR NEW MANHOLE CONSTRUCTION,
CONTRACTOR TO MINIMIZE
PIPE PROTRUSION (L)

REFER TO MANHOLE SIZING
CHART TO ENSURE PROJECT
SPECIFIC DESIGN FEASIBILITY



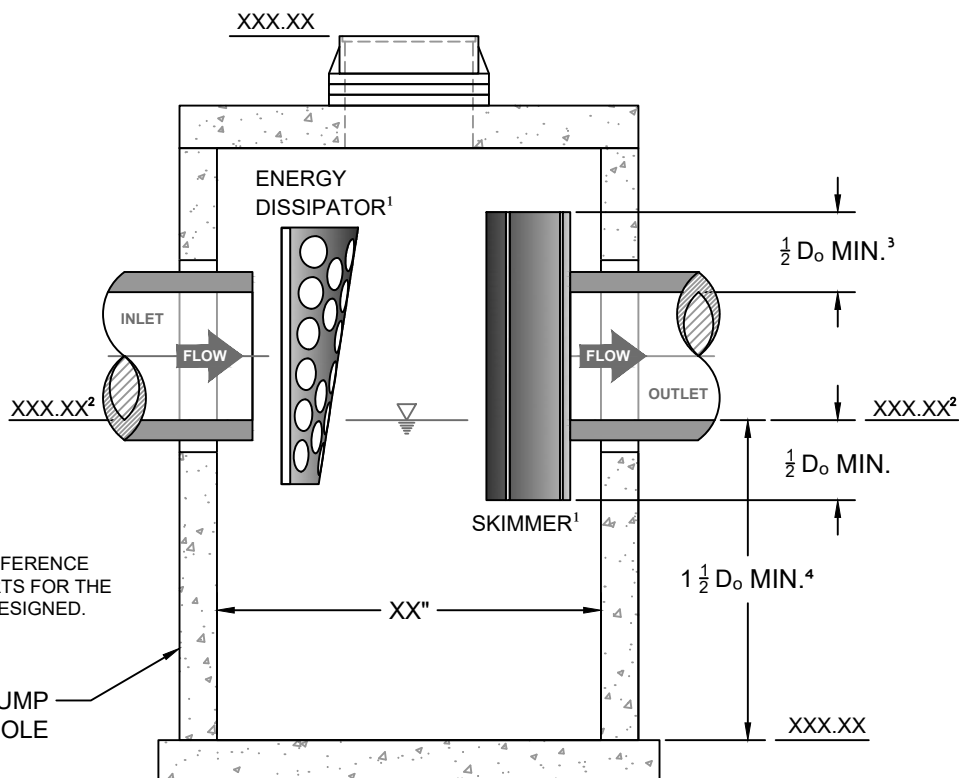
NOTE 1: THE PRESERVER™ ENERGY DISSIPATOR WAS DESIGNED AND TESTED
TO FUNCTION WITH OR WITHOUT A SKIMMER. DISSIPATORS & SKIMMERS
CAN BE UTILIZED IN TANDEM OR INDEPENDENTLY.

STRUCTURE DIAMETER*	MAXIMUM PIPE DIAMETER**		
	DISSIPATOR ONLY	SKIMMER ONLY	DISSIPATOR & SKIMMER
48"	27"	24"	15"
60"	36"	30"	24"
72"	48"	42"	30"
84"		48"	36"
96"			48"

*RECOMMENDED TO PROVIDE ADEQUATE SPACING BETWEEN
COMPONENTS FOR INSTALLATION, ACCESS & MAINTENANCE. REFER
TO MANHOLE SIZING CHARTS FOR MORE DETAILED STRUCTURE
SIZING OR CONTACT MOMENTUM FOR PROJECT SPECIFIC DETAILS.

**PRESERVER™ COMPONENTS ACCOMMODATE PIPE SIZES UP TO 48"
DIAMETER.

CROSS SECTION AA



PART NUMBER*	PIPE DIAMETER**	ALLOWABLE PEAK FLOW
D15 / S15	12"	20 CFS
	15"	25 CFS
D21 / S21	18"	30 CFS
	21"	35 CFS
D27 / S27	24"	50 CFS
	27"	60 CFS
D36 / S36	30"	85 CFS
	36"	100 CFS
D48 / S48	42"	145 CFS
	48"	175 CFS

* "D" = DISSIPATOR, PLACED AT INLET(S)

"S" = SKIMMER, PLACED AT OUTLET

**CONTACT MOMENTUM FOR PIPE SIZES NOT LISTED

NOTE 2: MINIMIZE ELEVATION DIFFERENCE
BETWEEN INLET AND OUTLET INVERTS FOR THE
PRESERVER™ TO FUNCTION AS DESIGNED.

SUMP
MANHOLE

NOTE 3: STOCK SKIMMERS HAVE A MINIMUM FREEBOARD DEPTH OF $\frac{1}{2} D_o$. FOR GREATER
FREEBOARD DEPTHS, DESIGNERS CAN UPSIZE THE SKIMMER, OR USE A CUSTOMIZED
SKIMMER. FOR CUSTOM DESIGNS, AND/OR PROJECT SPECIFIC DETAILS, CONTACT MOMENTUM.

NOTE 4: ADDITIONAL DEPTH IS RECOMMENDED FOR POLLUTANT STORAGE ($\frac{1}{2} D_o$ + POLLUTANT STORAGE DEPTH).
SIZING CALCULATOR SHOULD BE USED TO ENSURE ADEQUATE POLLUTANT STORAGE VOLUME.

Not to Scale



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THE PRESERVER™ STANDARD INSTALL DETAIL

ENERGY DISSIPATOR
AND/OR SKIMMER

PROUDLY
MADE IN THE
USA

QUALITY MATERIALS:
• 100% recycled HDPE
• Stainless steel brackets
• Stainless steel hardware

CONCEPTUAL PLAN DISCLAIMER:
THIS GENERIC DETAIL DOES NOT ENCOMPASS THE SIZING, FIT, AND
APPLICABILITY OF THE PRESERVER FOR THIS SPECIFIC PROJECT. IT
IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO
ASSURE THAT THE STORMWATER SYSTEM DESIGN IS IN FULL
COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.
MOMENTUM ENVIRONMENTAL LLC DOES NOT APPROVE PLANS,
SIZING, OR SYSTEM DESIGNS. THE DESIGN ENGINEER IS
RESPONSIBLE FOR ALL DESIGN DECISIONS.



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Construction
Supply Inc.



Quick
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Cascade
GEOSYNTHETICS

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**