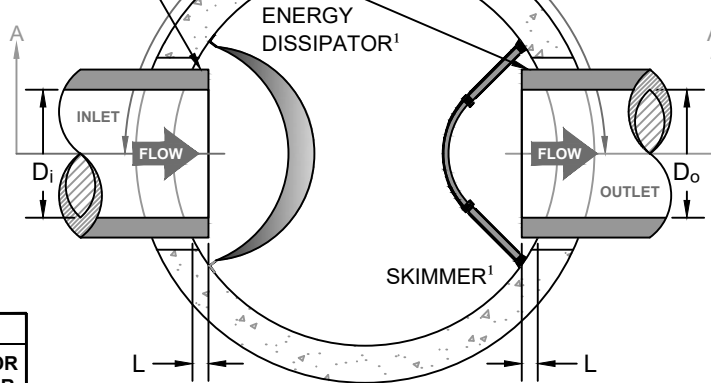


PLAN VIEW

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

REFER TO MANHOLE SIZING CHART TO ENSURE PROJECT SPECIFIC DESIGN FEASIBILITY



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"

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.

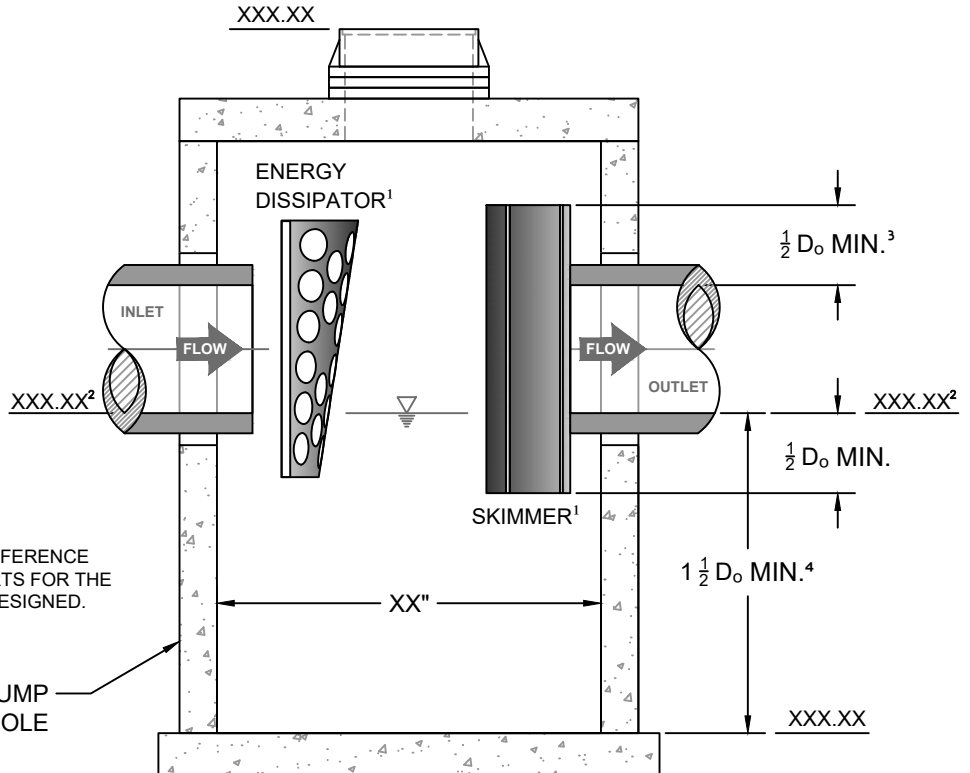
*RECOMMENDED TO PROVIDE ADEQUATE SPACING BETWEEN COMPONENTS FOR INSTALLATION, ACCESS & MAINTENANCE. REFER TO MANHOLE SIZING CHARTS FOR MORE DETAILED STRUCTURE SIZING OR CONTACT MOMENTUM FOR PROJECT SPECIFIC DETAILS.

**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.

NOTE 3: STOCK SKIMMERS HAVE A MINIMUM FREEBOARD DEPTH OF 1/2 Do. 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 (1 1/2 Do + POLLUTANT STORAGE DEPTH). SIZING CALCULATOR SHOULD BE USED TO ENSURE ADEQUATE POLLUTANT STORAGE VOLUME.

Not to Scale



877-773-0073 • www.MomentumEnv.com

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.