

STORM WATER NSBB®

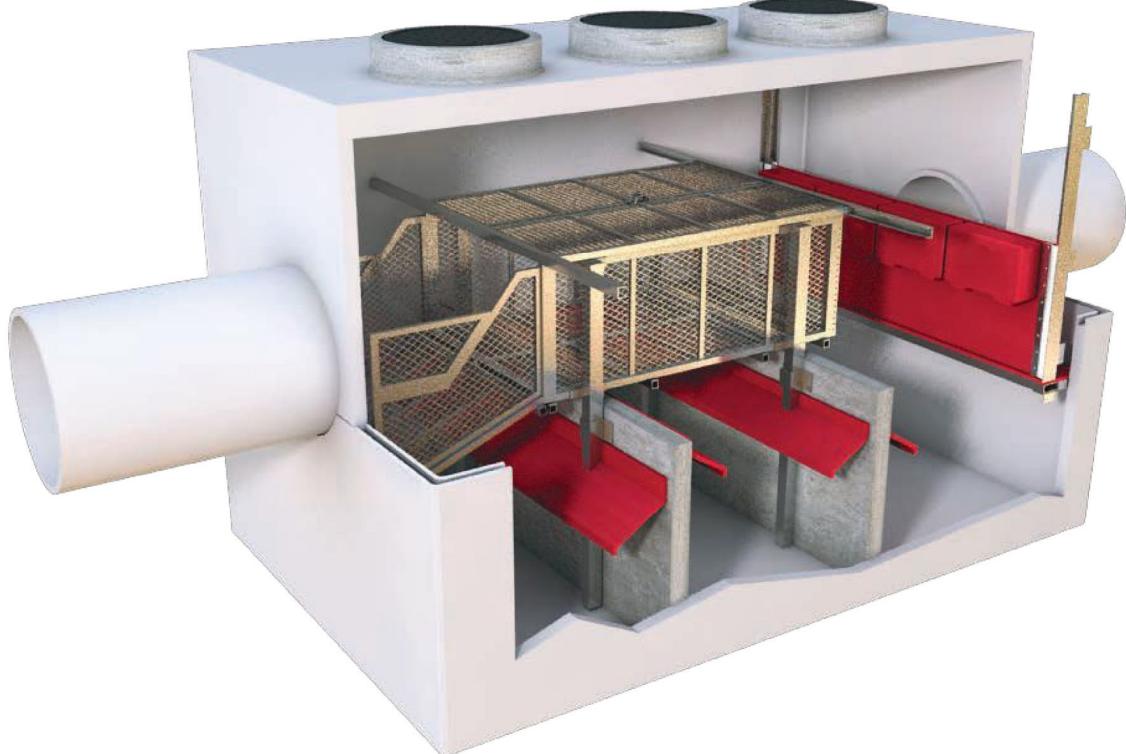
Nutrient Separating Baffle Box®

TREAT THE ENTIRE FLOW

MODULAR & SCALABLE

PROVEN PERFORMANCE

COMPACT FOOTPRINT



ADVANCED
hydrodynamic separation.



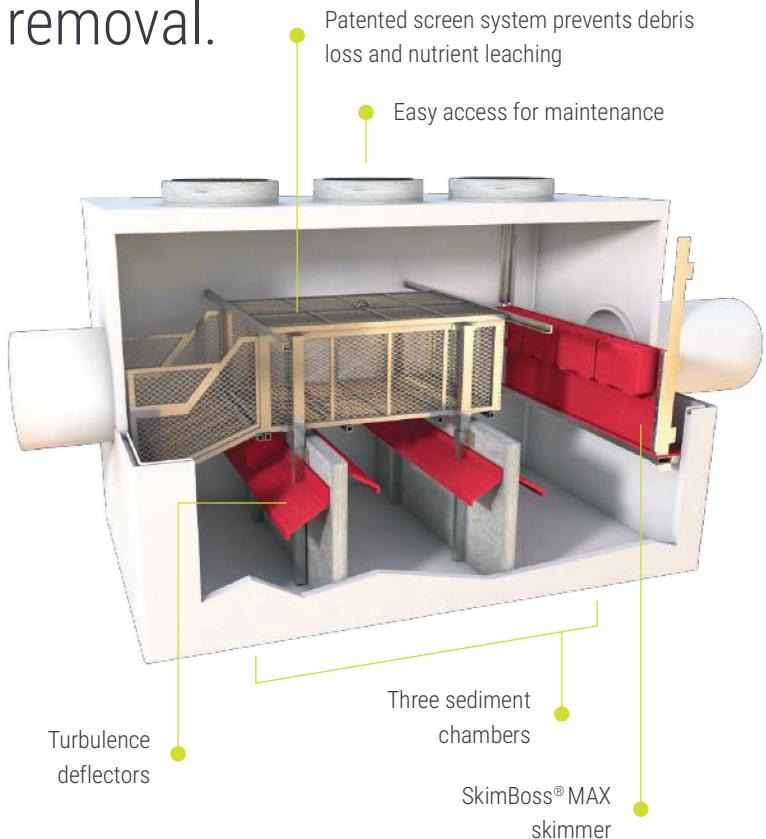
The Nutrient Separating Baffle Box® (NSBB®) is an advanced vault treatment system for storm water runoff. Its patented screen system captures and stores debris in a dry state to minimize nutrient leaching and allow for efficient maintenance. The triple chamber design provides high TSS removal over a wide range of particle sizes, while patented deflectors ensure no sediment scouring occurs during high flows, allowing for on-line installation without the need for separate diversion structures.

SUPERIOR

TSS, trash, and floatables removal.

The Nutrient Separating Baffle Box® is a multistage, self contained stormwater treatment system. Each component within the system protects prior stages from clogging issues or failures. Easy installation, low pick weights and minimal excavation, and simple to service.

- Pretreatment for ponds, lakes, rainwater harvesting systems and underground detention.
- Dry state storage prevents debris from leaching nutrients between storms.
- Turbulence deflectors eliminate scouring during high flows.
- Floating skimmer increases detention times, adjusts for HGL to minimize headloss and prevents floatables from passing downstream
- Meets requirements for full trash capture TMDL programs.



CERTIFICATIONS

New Jersey Department of Environmental Protection
NJCAT Certified for 50% TSS removal

Maryland Department of the Environment
Approved structural practice for pretreatment

Virginia Department of Environmental Quality
BMP Clearinghouse 20% credit for total phosphorous removal

California State Water Resources Control Board
Trash Capture Compliant

Inquire for a full list of certifications.

MODEL	SIZE (FT X FT)	MIN RIM TO INVERT DEPTH (FT)	MAX PIPE SIZE (IN)	TREATMENT FLOW RATES (CFS)		
				80% REMOVAL, 150 MICRON	50% REMOVAL, 75 MICRON NJCAT	TRASH CAPTURE
NSBB-4-8	4 x 8	4.5	24	4.60	2.49	28.80
NSBB-5-10	5 x 10	5.0	30	8.03	3.89	-
NSBB-6-12	6 x 12	5.5	36	12.70	5.60	42.80
NSBB-8-16	8 x 16	7.25	48	26.00	9.96	72.00
NSBB-10-20	10 x 20	8.0	60	45.40	15.56	197.20
NSBB-12-24	12 x 24	Varies	72	71.70	22.40	286.30