

STORM WATER

NSBB®

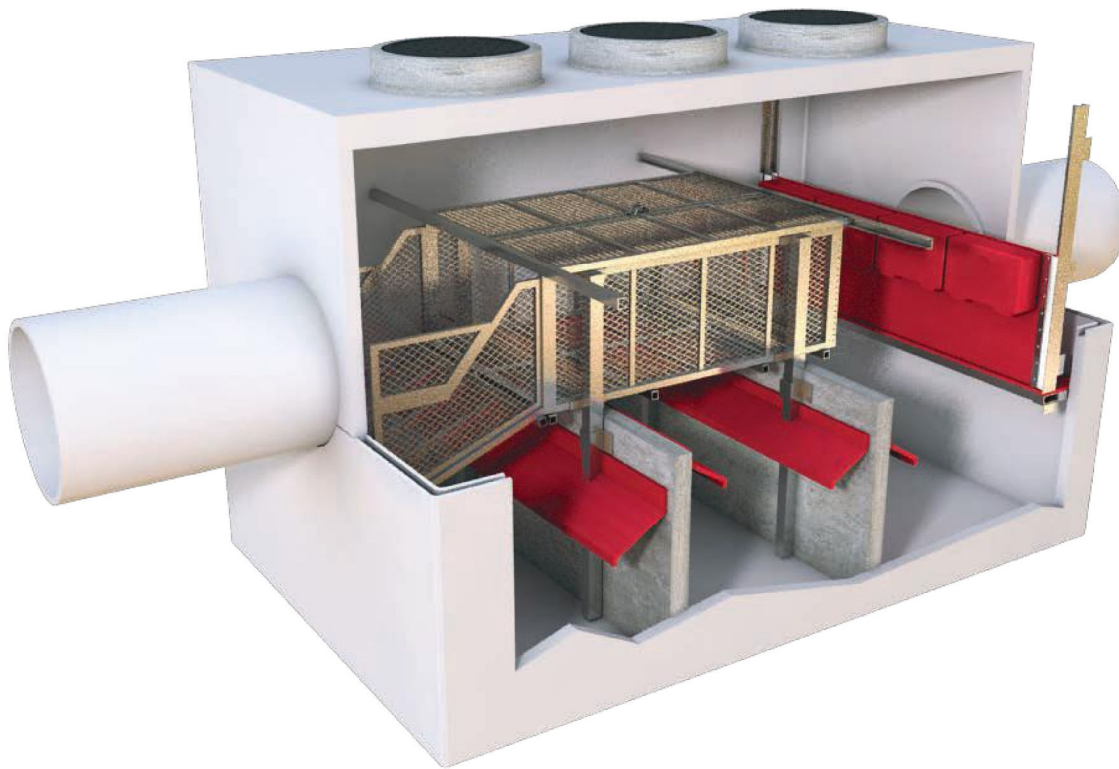
Nutrient Separating Baffle Box®

TREAT THE ENTIRE FLOW

MODULAR & SCALABLE

PROVEN PERFORMANCE

COMPACT FOOTPRINT



ADVANCED
hydrodynamic separation.



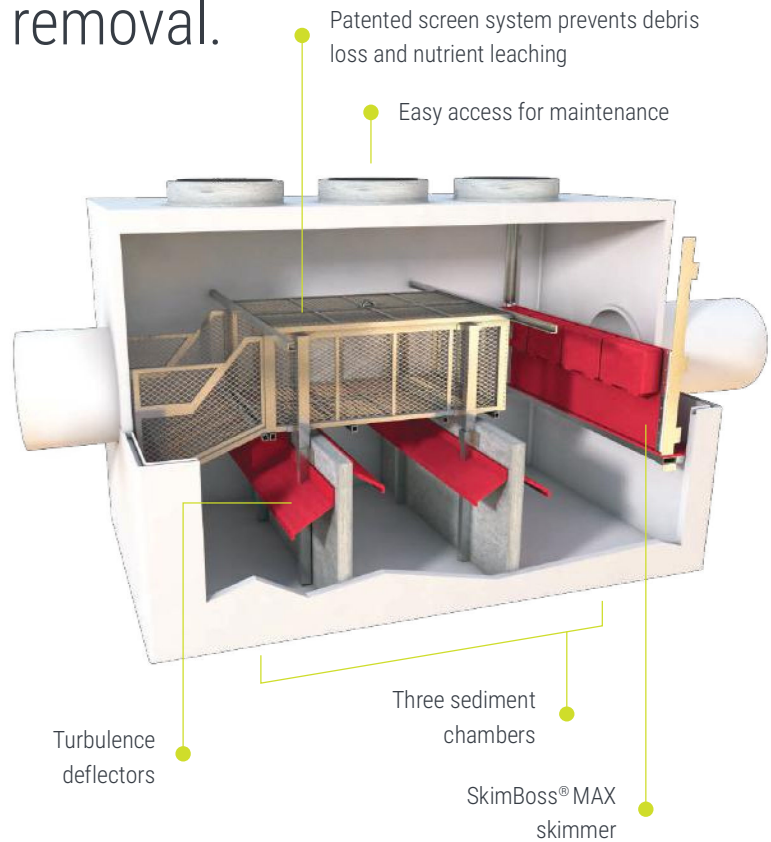
The Nutrient Separating Baffle Box® (NSBB®) is an advanced vault treatment system for storm water runoff. Its patented screen system captures and stores debris in a dry state to minimize nutrient leaching and allow for efficient maintenance. The triple chamber design provides high TSS removal over a 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 |