

# SkimBoss® MAX (NSBB™ | NRFS® Option)

## Benefits:

- Hydro-Variant Technology® automatically adjusts for variations in flow rates and hydraulic grade line.
- Maximizes detention time within NSBB™ vaults resulting in improved sediment capture from increased settling times.
- Prevents floating solids and liquids from passing through the vault to the outflow
- Adjusts during extreme flows to allow the bypass media filtration to prevent flooding
- Retrofits existing NSBB™ systems

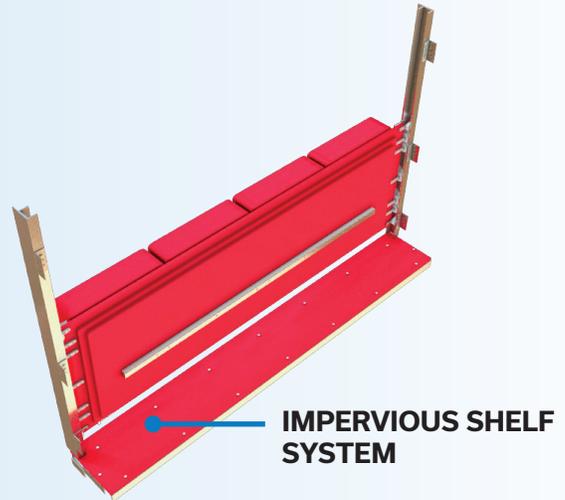


The optional SkimBoss® MAX is a floating skimmer used within an NSBB™ that increases detention time while still preventing floating solids and liquids from passing through the vault via Hydro-Variant Technology®. This skimmer boosts sediment capture efficiency within an NSBB™ by increasing detention time, resulting in greater sediment settling times without compromising watershed hydrology.

# SkimBoss® MAX Functionality

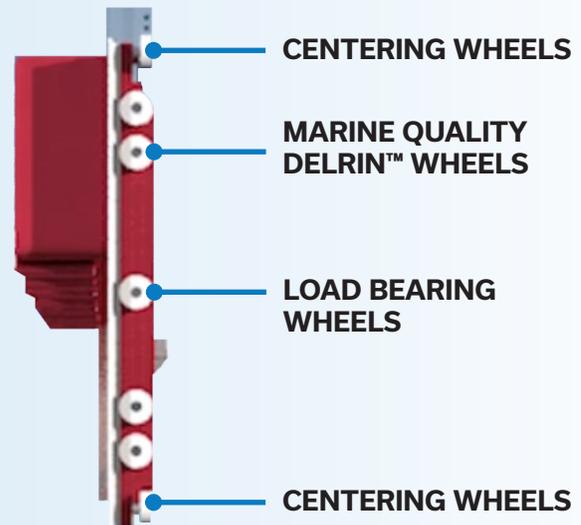
## Maximum Detention System

The SkimBoss® MAX is a derivative of the SkimBoss® Upflow Filtration System without the media vessels which are replaced with a small impervious shelf. Custom standoffs at the bottom of the skimmer accommodate variable flow rates, which allows the unit to rest upon the shelf with a gap between the skimmer and shelf. This gap allows water flow while simultaneously increasing vault detention time increasing sediment capture until the skimmer buoyancy is enough to cause it to float upward off of the shelf.



## Low Friction Wheels

Marine quality load bearing wheels are engineered with ultra low friction components and are attached to both ends of the skimmer to eliminate any resistance of vertical movement in the track system. Adjacent to each corner of the skimmer are centering wheels which work to keep the SkimBoss® centralized within the vault and prevent friction with the sides of the track.



## Pollutant Retention

Primary buoyancy is conveyed via the front side buoyancy channel, closed cell PVC foam core and rotomolded float. Because buoyancy is not dependent on both sides, the skimmer can react quicker to changing water levels. Each end of the skimmer has a polyurethane coated polyester fabric seal with enough balance between rigidity and flexibility to press against the track system surface as to block the passage of light liquids such as oils and hydrocarbons.

