

# SkimBoss® Upflow Filtration System (NSBB™ Option)

SkimBoss®

## Benefits:

- Automatically adjusts for variations in flow rates and hydraulic grade
- Supplied with genuine Bold & Gold® Media for superior nutrient reduction
- Lower upkeep costs than cassette filters
- Fluidized media bed resists clogging
- Designed for on-line installation without associated headloss
- Easy to service via vacuum truck and long media life

Manufactured Treatment Devices



Removal Efficiencies Up To:  
(with Bold & Gold®)

Total Phosphorus 79%

Total Nitrogen 67%

Total Suspended Solids 81%

\*Varies based on size + site conditions



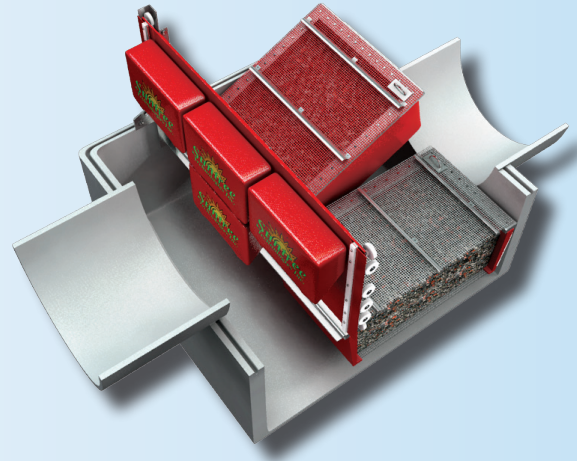
## LEED Credit Eligible:

- 4.1 Materials & Resources
- 4.2 Recycled Content
- 6.2 Stormwater Design, Quality Control

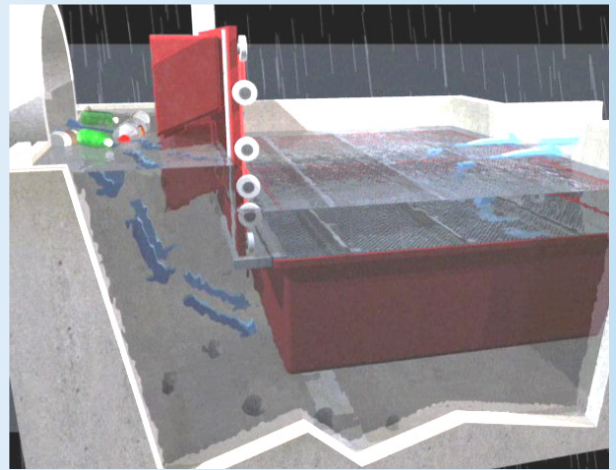
# SkimBoss®

# SkimBoss® Filtration System Functional Description

The SkimBoss® filtration system is an upflow filter with a fluidized media bed, supplied with Bold & Gold® media, that resists the clogging issues associated with cartridge filters. The system utilizes Hydro-Variant Technology® to adjust to flow variations and the hydraulic grade line. During peak flows, the filter rises to allow water to bypass media filtration to prevent flooding. The included floating skimmer prevents floating pollutants from passing through the vault.



During low to medium flows, the SkimBoss® remains at rest on a landing along the upflow end of the media vessels while water flow is directed under the upflow filter. The hydraulic grade line on the upstream side of the SkimBoss® is higher than the hydraulic grade line on the downstream side. This creates hydraulic pressure to force water up through the fluidized media bed. Sediments and other solids will settle into the lower chamber below the media vessels.



The buoyancy of the SkimBoss® is based on the upstream side water level. Once the hydraulic grade line reaches a predetermined elevation, the SkimBoss® will begin to rise creating a gap between the SkimBoss® and media vessels. As the SkimBoss® rises, the hydraulic grade line on the inflow side and outflow equalize. During high flows, louvers along the top of the media vessels will back flush the media.

