NutriGone™

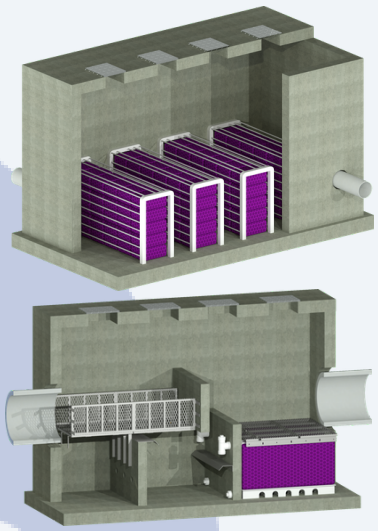
Environmental Media By

EcoSense International

NutriGone™ is a family of superior, bio-active filter media for the treatment of stormwater, surface water, and wastewater. All formulations are blended with natural materials and contain absolutely no rubber or other potentially dangerous materials. NutriGone™ is cost-effective and provides a long-term carbon source for efficient nitrogen processing, removal of heavy metals, and absorption of phosphorus.

Where to use NutriGone™?

- Swales
- Side-bank filters
- Gabion filters
- Rain gardens
- Up-flow filters
- Pond and stream restoration
- Large Earthwork filters
- Planter soil amendments
- Agricultural field barriers
- Constructed wetlands
- Dredge spoil leachate
- Baffle Boxes
- Crossflow filters
- Landfill leachate filters
- Drainage fields
- Infiltration systems
- Lake and pond filtration
- Soil nutrient and water adsorption



EcoVault-DN™ and DeNitra-Vault™ featuring NutriGone™ filtration media

What makes NutriGone™ different?

- Highly cost-effective and sustainable
- With inorganic and organic* carbon sources for **nitrification** and **denitrification**
- Utilizes adsorption and precipitation for **phosphorus removal**; adsorption and ion-exchange for **ammonia removal**
- Optimized flow velocity and bed contact time for superior filtration
- Industry-leading removal rates for **bio-nutrients, heavy metals, organic compounds, and emerging contaminants**

*NutriGone™-A features organic and inorganic carbon sources; other NutriGone™ formulas feature inorganic carbon sources.

Component	Removal
Nitrates and Nitrites (NOx)	Up to 96%
Total Kjeldahl Nitrogen (TKN)	Up to 89.7%
Total Phosphorus	Up to 95%
Heavy Metals	Up to 66-100%

NutriGone™ EcoSense International

NutriGone™-A

NutriGone™-A features both organic and inorganic carbon sources with **biochar carbon** and **volcanic mineral**, which facilitates efficient nitrification, denitrification, precipitation, ion-exchange, and adsorption. Its **high flow capacity** and **resistance to clogging** make it optimal for use in the DeNitra-Vault™ and Up-Flow filters.

NutriGone™-C

NutriGone™-C is composed of an **inorganic biochar carbon** source with a **volcanic mineral**, functioning as a mechanical, precipitative, biological, and ion-exchange filter, removing heavy metals, organic compounds, oil, grease, nutrients, and emerging contaminants.

NutriGone™-C is available in either coarse or fine formulations. The coarse formula is optimal for use where **high flows** and r**esistance to clogging** is necessary, such as catch-basin insert filters. The finer-grained formula is commonly used as a soil amendment in planters, rain gardens, and agricultural applications amendment to **reduce nutrient leaching** and **improve water retention**.

NutriGone™-S

NutriGone™-S is a sand-based media containing **biochar** as long-term carbon source and **volcanic mineral** for applications requiring standard nutrient reduction, including swales, under drains, and side-bank filters.

Rain garden featuring NutriGone™-C soil amendment

NutriGone™-S+ and NutriGone™-S+603

NutriGone™-S+ and NutriGone™-S+603 are enhanced with **ZVI** for optimized **nutrient reduction**, **heavy metal**, and **emerging contaminant removal**. NutriGone™-S+603 is optimized for **increased permeability** and **hydraulic conductivity**.

NutriGone™ filled mesh bag

CONTACT US FOR PRICING AND BULK DELIVERY OPTIONS

EcoSense International
1800 Huntington Lane, Rockledge, FL 32955
321-636-6708 | Sales@ecosenseint.com

ESI EcoSense International