

Zero Energy, Low Maintenance Puraflo Residential Wastewater Treatment Systems Provide Big Savings

Puraflo is an eco-friendly, high performance, zero energy natural solution for residential and community wastewater treatment applications where simple, reliable operation and maintenance are required.

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Underscoring its commitment to lead the market in environmentally differentiated, high performance residential wastewater treatment solutions, Bord na Móna Environmental Products U.S. Inc. is now demonstrating the low power, low maintenance, and environmental benefits of its Puraflo® Peat Fiber Biofilter wastewater treatment solution at the company's new Greensboro Innovation Center. The Puraflo system is certified by NSF to NSF/ANSI Standard 40.

"The Puraflo Peat Biofilter treatment system is a zero energy natural wastewater treatment solution for on-site wastewater treatment requirements," asserted Shane Keaney, President of Bord na Móna Environmental Products U.S. Inc.

"Utilizing a unique, natural biofibrous peat filter media, the Puraflo treatment system is, in our opinion, the highest performing, most reliable natural treatment system available today."

Delivered in a pre-assembled modular unit that reduces installation costs, the Puraflo solution is compatible with pad dispersal systems, making it an ideal treatment solution in difficult soil, shallow water table, and lot size restrictive applications. It is a single pass system that does not require blowers, complex control panels or recirculation pumps. As a result, this zero energy, or low power time-dosed solution, provides savings for homeowners while meeting LEED and other green building standards.

"The key to our system is that it utilizes a natural peat fiber which is a by-product of the energy production industry," emphasized Keaney. "It protects the public's health by removing greater than 99% of harmful bacteria through a natural treatment process without the need for chlorination or Uv. It protects the environment by consistently producing odor free and guaranteed treatment results to a much higher standard than many of the other treatment systems on the market today including natural nitrification of the wastewater reducing the ammonia levels to less than 5mg/l. "

In short, Keaney asserted, Puraflo is a state of the art green building solution that lowers the installation, energy, and maintenance costs for installers and homeowners. With increasing environmental pollution standards, concerns on the robustness of on-site systems and the desire to save energy, it's what the industry needs.

The most common Puraflo system applications include individual residential sites, community cluster systems, light commercial, schools, and subdivision developments. The system is particularly suited for intermittent flow applications such as vacation homes, churches, parks, and truck stops as it retains the beneficial bacteria in the media. In addition the modular design allows phasing of the construction and very cost effective solutions for one & two bedroom cottages. The Puraflo treatment system is also an excellent solution for repairs.

Green by Nature; Simple by Design:

Puraflo's greatest benefits are derived from the reliability and simplicity of how it works, with no blowers

or re-circulating pumps required. Following a septic tank containing an effluent filter the wastewater is either time dosed or where no power is available or a zero energy solution is required is siphon dosed into the Puraflo modules. Flow equalization is an important aspect of the design that protects the drain field and ensures consistently high treatment performance. Puraflo provides some of the highest treatment standards in the industry as proven by many third party tests undertaken throughout the US.

Customers interested in seeing the Puraflo system in operation at the Bord na Mona Innovation Center can call 1-800-787-2356 to arrange an appointment. To learn more about the entire range of Bord na Mona treatment solutions, please visit www.bnm-us.com or email info@bnm-us.com.

Headquartered in Dublin Ireland, Bord na Móna is a multi-national \$550-million full line provider of products and services in the environmental, energy, fuels, and horticulture markets. The company's state-of-the-art, environmentally

responsible wastewater, water reuse and air pollution treatment solutions deliver significant environmental benefits for homeowners, communities, and

municipalities. The company is dedicated to forging a new contract with nature through the development of innovative solutions focused on water conservation, re-use, material recycling, and energy and chemical reduction. Bord na Móna Environmental Products U.S. Inc. (www.bnm-us.com) is headquartered in Greensboro, North Carolina.

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Bord na Mona provides odor biofiltration, wastewater and water reuse solutions for municipal & residential applications including membranes, MBBR, SAF, peat biofilters and rainwater harvesting.

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City/Town	Greensboro
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