



## Puraflo<sup>®</sup>

Peat Fiber Biofilter  
for Clean Water

The Puraflo peat fiber biofilter system is the most versatile and reliable treatment system on the market. The system is green-friendly and uses little to no energy. Puraflo is odor-free and operation is very simple. Puraflo's flexibility coupled with performance is unmatched in the industry.

**DISTRIBUTOR FOR PENNSYLVANIA  
MOUNTAIN WASTEWATER  
MANAGEMENT  
570-924-4696  
[WWW.MOUNTAINWASTEWATER.COM](http://WWW.MOUNTAINWASTEWATER.COM)**

## Peat Fiber Biofilter for Clean Water

# Puraflo®

### Why Choose Puraflo?

- Modular design assures flexible phasing options
- Completely odor-free
- Very low or no power requirements
- Seasonal or intermittent use compatible
- Factory assembled
- P150N models certified to NSF/ANSI Standard 40
- High level pathogen and nitrogen removal
- Green solution, based on passive biofiltration principles
- Unique peat fiber with high lignin content provides for a longer media life
- Minimal system maintenance with no annual fluffing or raking of the peat fiber media
- Optional remote monitoring using telemetry

### Applications

Single family homes

Multi-family homes

Communities

Small commercial operations

Intermittent use (e.g., vacation homes, campgrounds)

Churches

Schools

### Most Versatile Treatment

Types of Effluent or Water Treated by Puraflo	Modes of Puraflo Operation	Types of Dispersal with Puraflo
Septic	Single Pass	Combination Treatment/Dispersal · In-Ground Pad · Mounded Pad
Graywater	Multiple Pass (Recirculation)	Treatment with Separate Dispersal · Gravel Trench · Chambers · Drip Irrigation
Blackwater	Polishing Tertiary	
Aerobic Treatment Unit	Denitrification	



Only modules bearing the NSF® logo and designated P150N\*XX are certified to NSF/ANSI Standard 40

**DISTRIBUTOR FOR PENNSYLVANIA  
MOUNTAIN WASTEWATER  
MANAGEMENT**  
570-924-4696  
[WWW.MOUNTAINWASTEWATER.COM](http://WWW.MOUNTAINWASTEWATER.COM)



Call: 336-547-9338 or visit: [www.anua-us.com](http://www.anua-us.com)

# Think Green



**Puraflo<sup>®</sup>**  
Peat Fiber Biofilter

## It's Time for a New Contract with Nature

- Low operation and maintenance costs
- Suitable for LEED certification
- Odor-free natural system
- Pre-assembled modules for compact installation on size restrictive sites
- Best solution for extreme sites with difficult soils or shallow water tables
- Alternative to NPDES discharging systems
- Suitable for environmentally sensitive sites, such as waterfront properties
- Ideal for homes, schools, offices, parks, churches and communities
- Excellent for vacation homes and sites subject to intermittent use

**DISTRIBUTOR FOR PENNSYLVANIA  
MOUNTAIN WASTEWATER  
MANAGEMENT  
570-924-4696  
WWW.MOUNTAINWASTEWATER.COM**



Call: 336-547-9338 or visit: [anuainternational.com](http://anuainternational.com)







Community Systems



Residential Systems

### The Difference is the Fiber – It Lasts Twice as Long as our Competitors

Puraflo peat fiber media is imported from the Republic of Ireland and has a greater resistance to decay and degradation than other peat media. This is due to its extremely fibrous structure and high lignin content.



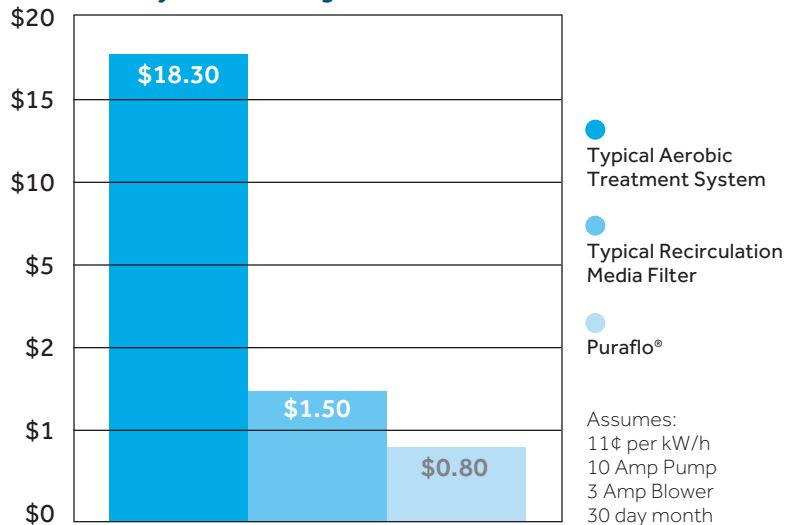
## Low Power + Low Maintenance = Big Savings

Reducing costs to the owner, Puraflo requires significantly less power than many other treatment systems such as aerobic treatment units or recirculating media filters. Blowers or maintenance intensive effluent filters/screened pump vaults not required.

## Reduced Complexity Lowers the Cost of Operation and Maintenance

Puraflo can be installed as a combined treatment and effluent dispersal system, which saves energy and space. Treated effluent exits the Puraflo modules via weep holes around the perimeter at the module base and flows into the dispersal system situated directly beneath the modules. Available dispersal system options are in-ground pad or mounded pad.

Monthly Electric Usage Costs



**DISTRIBUTOR FOR PENNSYLVANIA  
 MOUNTAIN WASTEWATER  
 MANAGEMENT  
 570-924-4696  
 WWW.MOUNTAINWASTEWATER.COM**



Call: 336-547-9338 or visit: [anuainternational.com](http://anuainternational.com)



## Puraflo®

### Peat Fiber Biofilter

#### The Puraflo Process

##### 1. Collection

Sewage flows from the home or facility into a watertight septic tank. The solids settle and the liquid effluent flows by gravity through a commercial effluent filter to a pump basin/tank.

##### 2. Treatment

The liquid effluent is timed dosed at specific intervals into the Puraflo modules, where it is distributed evenly onto the biofibrous peat media. A combination of biological, chemical, and physical processes treat the effluent as it filters through the peat fiber media.

##### 3. Dispersal or Water Reuse

Treated effluent emerges from the Puraflo modules and disperses either into a gravel pad directly below the modules or is collected for dispersal by other methods, including gravel trenches, LPP, drip irrigation or other dispersal methods. Effluent is suitable for reuse. Chemical or UV disinfection may be required.



#### Puraflo Peat Fiber Biofilter Module

Made from UV resistant HDPE

Media lasts ~15 years

High lignin Irish peat fiber

Lid design provides full access

Multiple lid colors available

**DISTRIBUTOR FOR PENNSYLVANIA  
MOUNTAIN WASTEWATER  
MANAGEMENT  
570-924-4696  
WWW.MOUNTAINWASTEWATER.COM**

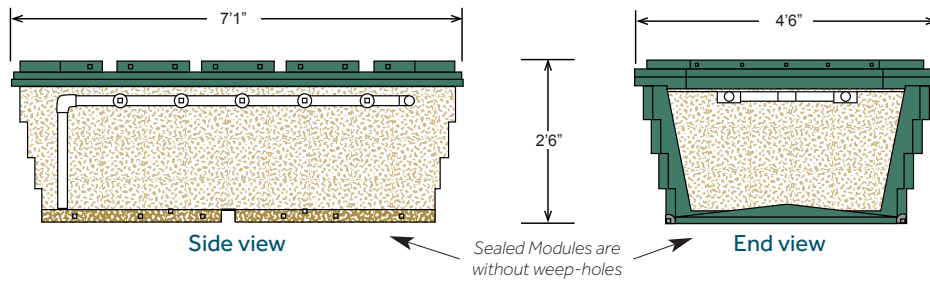
#### Puraflo Effluent Quality

Parameters	Effluent
BOD <sub>5</sub> (mg/l)	<10
TSS (mg/l)	<10
NH <sub>3</sub> -N (mg/l)	<5
Fecal Coliform (per 100ml)	<1,000 to <10,000

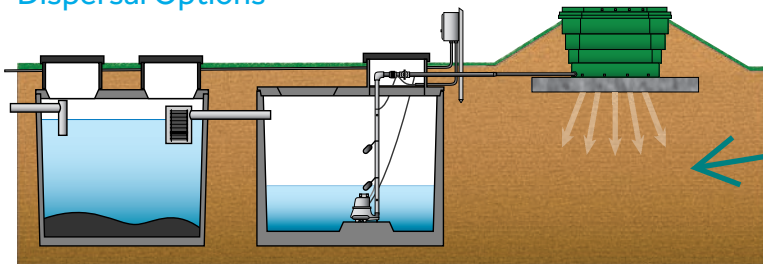
#### System Design Considerations

Maximum design organic loading per module	0.3755 lbs/d
Maximum design hydraulic loading per module	150 gpd (residential) 120 gpd (commercial) 240-300 gpd (polishing or recirculation)
Module weight	1800 lbs

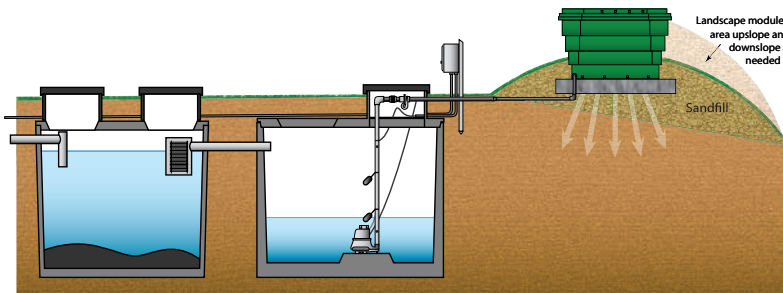
## Technical Drawings



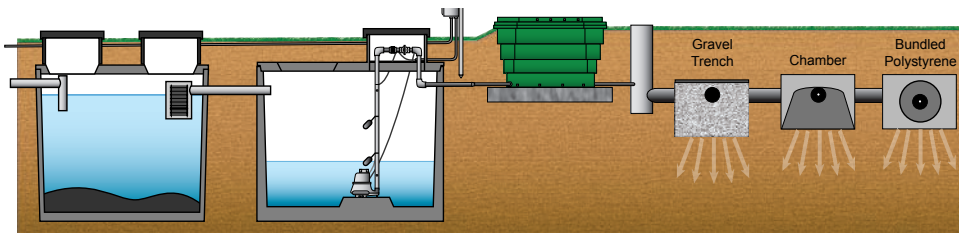
## Dispersal Options



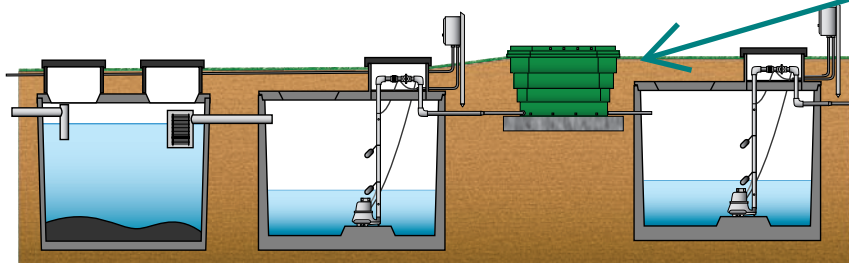
In-Ground Pad – Type A



Mounded Pad – Type A



Trench – Type B



Second Pump Tank – Type B

**TYPE A  
(OPEN BOTTOM)  
NOT ALLOWED IN  
PENNSYLVANIA YET**

**DISTRIBUTOR FOR PENNSYLVANIA  
MOUNTAIN WASTEWATER  
MANAGEMENT  
570-924-4696  
WWW.MOUNTAINWASTEWATER.COM**

**CONSIDER 2 PUMPS IN  
ONE 2-COMPARTMENT  
PUMP TANK**



Call: 336-547-9338 or visit: [anuainternational.com](http://anuainternational.com)



Only modules bearing the NSF® logo and designated P150N\* XX are certified to NSF/ANSI Standard 40