

# Puraflo®

## Peat Fiber Biofilter

### 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

## 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.



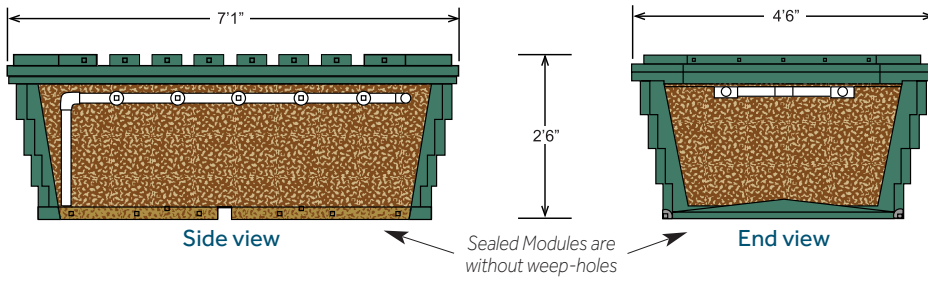
### Puraflo Effluent Quality

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

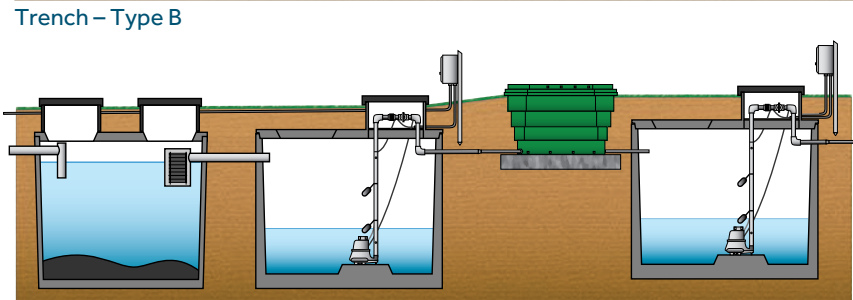
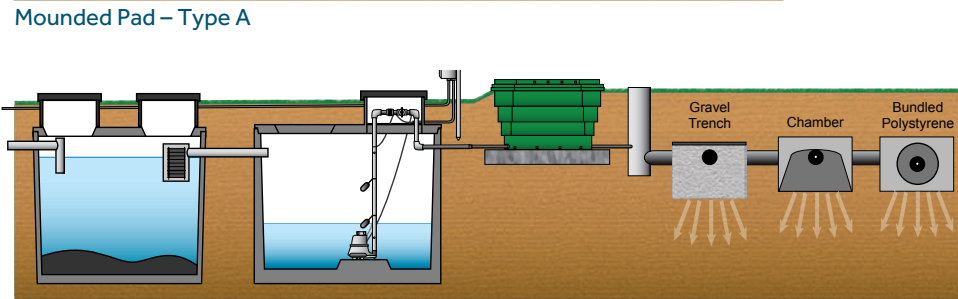
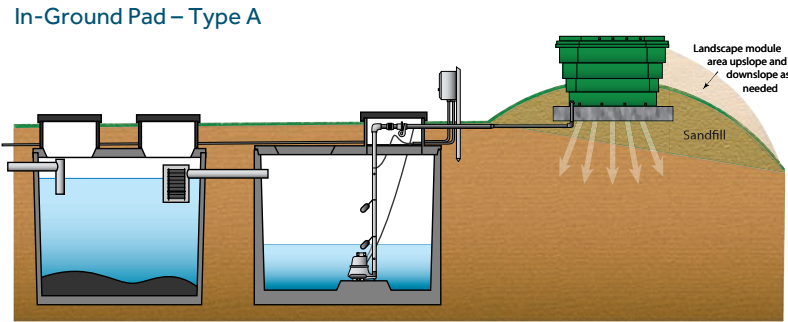
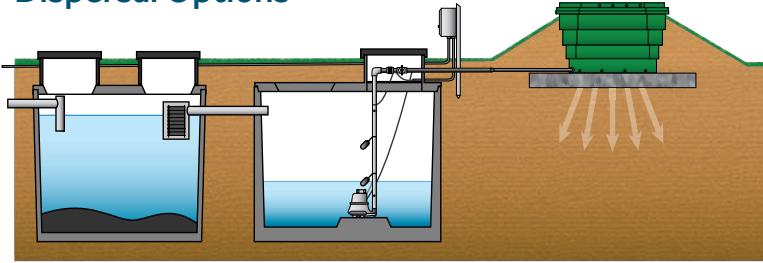
### System Design Considerations

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



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

