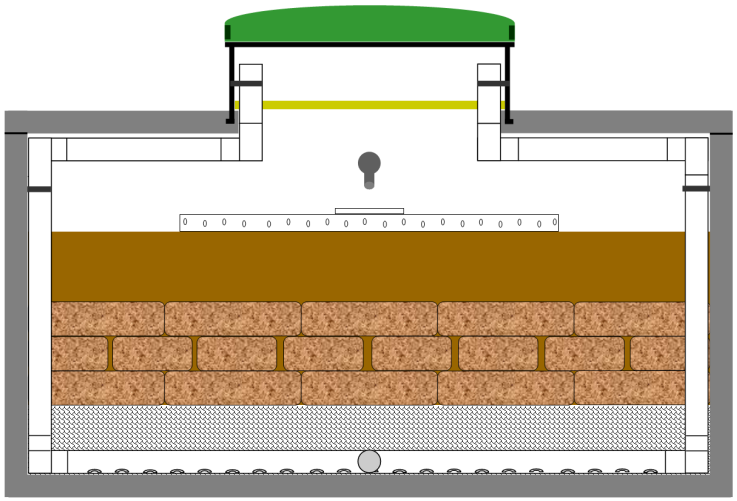
Eco-Pure Peat Moss Biofilter

Simply Natural, Naturally Simple

PBFC Series for Concrete Tanks (Models PBF2C, PBF3C, PBF4C, PBF6C)

Installation Guide July, 2010



Thank you for purchasing the Eco-Pure Peat Moss Biofilter. Although the system may have been assembled by an Eco-Pure distributor this guide provides the steps necessary to complete the installation of the Eco-Pure Peat Moss Biofilter.

Failure to complete the steps outlined in this guide will void the warranty of the Eco-Pure Peat Moss Biofilter.

PBFC List of Materials

Item Name/Number	Description	Qty
PBFC Riser	28-5/8" x 48-1/8" x 14" Riser	1
PBFPP	Peat Moss Pillows	Varies
PBFPB	Peat Moss Bales, Loose Peat Moss	Varies
PBFDP	Distribution Plate, 31-1/2" x 66-1/2" x 3"	1
PBFIC	Insulation Cover, 24" x 47-1/2" x 1"	1
PBFC	Peat Filter Cover, 25" x 52" x 6"	1
PBFC-IPA	Inlet Piping Assembly	1
PBFC-4WAY	4" PVC 4-Way Fitting	1
Clean Non-reactive Rock or Synthetic Aggregate		Varies
4" Thin Wall Pipe (DWV), Perforated		Varies
4" Thin Wall Pipe (DWV), Solid		Varies
4" Thin Wall 90° Fittings		6
PVC Pipe Hangers or Non-Corrosive Pipe Straps		4

- Components vary depending on the Eco-Pure model

Items Needed For Installation

- Rubber gloves
- Protective eye wear
- Rake
- Level
- Water source
- Garden hose
- Screw drivers
- Cordless drill
- Screed to level peat
  - (3' x 1" x 2" wood stake)

Applications

- Single Family and Multi-Family Homes
- Apartment Complexes
- Churches
- Office Buildings
- Restaurants
- Seasonal Use Homes
- Water-Front Homes
- Small Lots
- High Groundwater Lots

Assembly Procedures

The Eco-Pure Peat Moss Biofilter must be assembled per the Eco-Pure Assembly Guide, July 2010. Only Planet Care, Inc. trained personnel may assemble the Eco-Pure Peat Moss Biofilter for concrete tanks.

Design Procedures

The Eco-Pure Peat Moss Biofilter must be designed per the Eco-Pure Design, Installation and Maintenance Guide, July, 2010. All systems incorporating the Eco-Pure Peat Moss Biofilter must by designed by a state registered Professional Engineer or a state approved system designer.

Maintenance Procedures

Routine inspection and maintenance must take place at least once per year. Maintenance must be performed per the Eco-Pure Maintenance Manual, July, 2010. Only factory trained personnel may perform maintenance.

Please refer to your state and/or local onsite wastewater treatment and disposal regulations for details pertaining to your systems design, installation and maintenance requirements.

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Installation Procedures

1. The tank must be installed level. Failure to do so will prohibit the Eco-Pure Peat Moss Biofilter from performing properly and will void the warranty. Follow all state and local requirements for the installation of the tank.
2. **Install an approved effluent filter in the septic tank**. Failure to comply will void the Eco-Pure Peat Moss Biofilter warranty.
3. Connect the 4” inlet pipe to the inlet fitting at the top of the Eco-Pure Peat Moss Biofilter Tank. Assure a water-tight connection.
4. Connect the 4” outlet pipe to the outlet fitting at the bottom of the Eco-Pure Peat Moss Biofilter Tank. Assure a watertight connection.
5. **Backfill the tank with clean, rock free material or clean sand.** Do not leave voids in the backfill. Do not drive heavy equipment near the tank.
6. **The green Eco-Pure cover must be exposed and at grade level for easy removal.**
7. Remove the green Eco-Pure cover by removing the stainless steel screws. This will expose the white insulation cover located inside of the riser.
8. Remove the white insulation cover inside of the riser exposing the peat moss distribution plate resting on top of the peat moss bed.
9. Remove the package containing the Owners Manual, Maintenance Agreement and screws from the insulation cover.
10. Gently remove the white distribution plate resting on top of the peat moss bed.
11. Completely level the peat bed. This can be done by using a 3’ x 1” x 2” wood stake or a 3’ x 1/2” PVC pipe used as a screed. This is a critical step in the installation. **The sphagnum peat moss bed must be level.**
12. Using a garden hose begin **gently** spraying the entire peat moss bed. **The entire peat moss bed must be wet.** This prohibits the peat from “floating” upon system start-up and assures proper wicking of the septic tank effluent. Continue wetting the peat moss bed until the water begins to discharge from the system.
13. **Completely re-level the peat bed.** This can be done by using a 3’ x 1” x 2” wood stake or a 3’ x 1/2” PVC pipe used as a screed. This is a critical step in the installation. **The sphagnum peat moss bed must be level**.
14. Replace the distribution plate in the center of the tank. **The distribution plate must be level.** This is a critical step in the installation. **Check level in both directions**.
15. Connect the 2” inlet pipe assembly to the inlet pipe using the 2” union. The 2” elbow will be elevated 3 - 4” directly above the center of the splash plate.
16. Replace the white insulation cover inside of the riser.
17. Replace the green Eco-Pure cover. Secure the cover using the stainless steel screws.
18. **Divert any surface water run-off away from the Eco-Pure Peat Moss Biofilter.**
19. Make sure that the owner receives the Owners Manual and signs the Maintenance Agreement. Failure to maintain the Eco-Pure Peat Moss Biofilter will void the warranty.
20. Fax or mail a signed copy of the Maintenance Agreement to **Planet Care, Inc., P.O. Box 2183, Valrico, Florida 33595.**

When Dosing the Eco-Pure Peat Moss Biofilter

1. Dosing volume is 20 - 25 gallons per cycle
2. Simulate gravity flow by installing a ball valve
3. Close ball valve approximately 3/4
4. Verify the dosing volume and rate
5. Installation of a 2” vent is recommended from the peat tank to the septic tank

In order to provide the best product possible, specifications and requirements are subject to change.

ECO PURE™ Waste Water Systems

Patent #: US 6,620321 B2

PBFCIG (7/10)