ECO-PURE™
Waste Water Systems

The All Natural Wastewater Treatment System

300 Series Peat Moss Filter

Installation Guide February 2007

300 Series Peat Moss Filter Component Materials

Part Number	Quantity	Description
NA	1	HDPE Module and Cover
EPA IC-109	1	Insulation Cover
EPA PP-99	41	Sphagnum Peat Moss Pillows
EPA PP-105	10	Sphagnum Peat Moss Bags
EPA DP-107	1	HDPE Distribution Plate
EPA FC-146	1	4” x 2” Inlet Pipe Assembly
NA	1	4” Discharge Pipe and Vent Pipe

Applications

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

Items Needed For Installation

- 2 cubic yards, 1/2 -1” clean, non-reactive stone (limestone)
  - Placed inside of module
- 8 cubic yards, clean sand (module backfill material)
- Backhoe for digging and backfilling
- Forks on loader or forklift to unload peat moss pallet
- Truck and trailer for transport of peat module and peat moss pallet
- Lifting straps with large hooks for placing module
- Nut drivers
- PVC pipe saw
- PVC Cleaner and Cement
- Assortment of PVC fittings (1-1/2”, 2” and 4”)
- Septic Tank Filter
- Garden Hose
- If dosing unit:
  - Effluent pump
  - Ball valve
  - Control Panel or Vertical Float Switch
  - 2” hole saw

Design Procedures

The 300 Series Peat Moss Filter must be designed per the Eco-Pure Design, Installation and Maintenance Guide, January 2009. All systems incorporating the 300 Series Peat Moss Filter 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, February 2007. Only factory certified 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.

Eco-Pure, Inc.• 2725 Prince Street • Unit 100 • Fort Myers, FL 33916 • Phone: (239) 466-4408 • Fax: (239) 481-0580

ECO-PURE™
Waste Water Systems

The All Natural Wastewater Treatment System

300 Series Peat Moss Filter

Installation Instructions

1. Install septic tank allowing enough fall to the Eco-Pure module to gravity feed. Install a septic tank filter in outlet baffle.
2. Remove the contents from the Eco-Pure module. Make sure 4" drain pipe is in drain area.
3. Push back vent pipe so the 90° fittings are between the opening of the tank and the support pipes.
4. Replace the green cover to prohibit soil intrusion into the module.
5. Excavate an area approximately 10' by 12' and approximately 42" deep for the Eco-Pure module.
6. Fill excavated area with 6" - 12" clean sand.
7. Place Eco-Pure module into the center of the excavation. Lift module by the lifting rings only. Make sure module is level.

8. Cut 1" off discharge hub. Connect the supplied rubber fitting to the Eco-Pure outlet. Connect discharge piping to rubber fitting.
9. Make sure all fittings are water-tight and bed discharge piping. Eco-Pure recommends a small amount of butyl mastic around all pipe connections.
10. Backfill the Eco-Pure module with clean sand to the lifting rings, approximately 14 cubic yards.
11. Place and level 2 cubic yards of non-reactive rock into bottom of module. DO NOT USE LIMESTONE INSIDE OF MODULE!

12. Wash rock so that it is free of dust and fine particles. This allows for proper drainage of the Eco-Pure module.
13. Remove peat from shipping pallet.
14. There will be 10 peat bags (3.8 Cubic Foot) and 41 peat pillows (green or orange sacks).
15. Fluff all green peat pillows by gently rolling them on the ground before placing them into module.
16. Place 20 peat pillows on bottom of module on top of stone. Start at ends of module and work toward center.
17. Make sure peat pillows are placed against walls of module. DO NOT CRAM PILLOWS.
18. Place 3 bags of loose peat over entire bottom row of peat pillows. Fill in all voids between peat pillows.

19. Break up any clumps. Rake loose peat level. Pay special attention that the voids against walls of module are filled in with loose peat.
20. Place the remaining 21 peat pillows on top of bottom row. Place pillows in the opposite direction of bottom layer.
21. Once again, start at ends of module and work toward center.
22. Place the remaining 7 bags of loose peat over entire top row of peat pillows.
23. Fill in all voids between peat pillows. USE ALL 7 BAGS.
24. Break up any clumps. Rake loose peat level. Pay special attention that the voids against walls of module are filled in with loose peat.

25. VERY IMPORTANT! 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.
26. Wet the peat bed thoroughly by gently spraying it with a garden hose. This prohibits the peat from "floating" upon system start-up.
27. Gently lay the HDPE distribution plate on the peat bed. Center the inlet of the manifold with the inlet of the module.
28. Level the distribution plate. PLATE MUST BE LEVEL!
29. Install the 4" x 2" inlet pipe to Eco-Pure Module. TEST WITH CLEAN WATER FOR EVEN DISTIRBUTION!
30. Place the insulation cover on the support pipes.

31. Place the green cover on the module. Use the 2 stainless steel screws to fasten the cover.
32. Backfill the Eco-Pure module with clean, rock free material or clean sand. DO NOT LEAVE VOIDS IN BACKFILL!
33. Hand rake backfill around module only. DO NOT USE HEAVY EQUIPMENT NEAR MODULE!

When Dosing the Eco-Pure Peat Filter

- Simulate gravity flow by installing a ball valve
- Close ball valve approximately 3/4
- **Maximum pump volume is 20 gallons per cycle event**
- Installation of a 2" vent is recommended from the peat module tank to the septic tank

Patent #: US 6,620321 B2

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

EPPS300IG (1/09)

Eco-Pure, Inc.• 2725 Prince Street • Unit 100 • Fort Myers, FL 33916 • Phone: (239) 466-4408 • Fax: (239) 481-0580