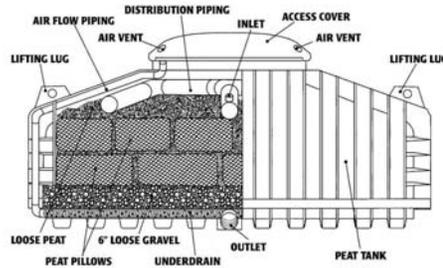


300 SERIES PEAT MOSS FILTER

Technical Information and Specifications

300 Series Peat Moss Filter Component Materials

- 1 - Eco-Pure HDPE module and cover
- 1 - Insulation cover (white)
- 42 - Sphagnum peat moss pillows (green bags)
- 10 - Loose bags of sphagnum peat moss (white bags)
- 1 - Distribution plate
- 1 - 4" x 2" Inlet pipe assembly
- 1 - 4" Black corrugated discharge pipe and air vent pipe



Dimensions		
Length	Width	Height
120"	84"	50"

Treatment Capacity	
Parameter	Capacity
GPD	600
BOD5	240 mg/L
TSS	176 mg/L

* Up to a 4 bedroom home, 3,200 square feet or less
* Wastewater characteristics described as residential strength waste

Installation Procedures

The 300 Series Peat Moss Filter must be installed per the manufacturer's Installation Guide, February 2007. Only factory certified personnel may install the 300 Series Peat Moss Filter.

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.

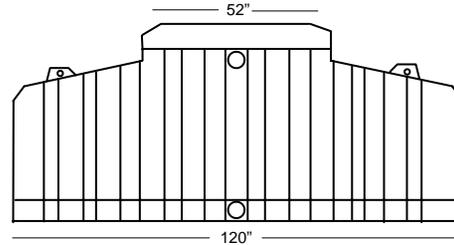
Operating Procedures

To ensure proper performance of the 300 Series Peat Moss Filter the system should be operated per the 300 Series Peat Moss Filter Owners Manual.

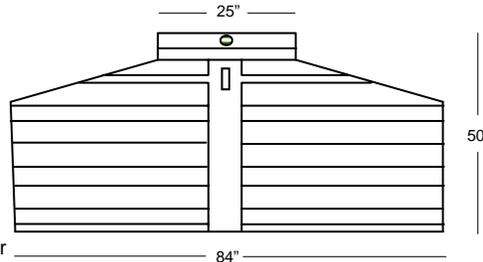
300 Series Peat Moss Filter Specifications

1. Eco-Pure Module and Cover

Each 300 Series Peat Moss Filter module shall be constructed of high density polyethylene (HDPE) and manufactured using the rotational molding process. The color of the module shall be blue and the empty weight is 550 lbs. The dimensions of the module shall be 120" x 84" x 50" (L x W x H). The inlet elevation is 42". The outlet is at the bottom of the module or 0".



Front View



Side View

The module shall be drafted at the bottom towards the center of the module and shall contain a 4" black slotted corrugated pipe which acts as the discharge manifold and air vent.

The module shall have a green HDPE cover (lid). The cover is 52" x 25" (L x W) and must be exposed for accessibility. The module must be placed on a minimum of 6" of stone.

2. Insulation Cover

The insulation cover shall be a hard backed Styrofoam sheet 24" x 43" x 2" (W x L x H). The insulation cover shall rest on top of the 1-1/2" PVC support pipes in the module man-way, below the cover / lid.

3. Sphagnum Peat Moss

Each 300 Series Peat Moss Filter shall have the following amount of proprietary sphagnum peat moss:

a. Peat Moss Pillows

The pillows shall be mesh, polypropylene, non-degradable bags filled with proprietary sphagnum peat moss. The pillows shall be filled to the appropriate amount at Eco-Pure's facility.

Each module shall contain forty-two (42) pillows. Each pillow weighs between 35 - 40 lbs. The pillows will fit together without any void space. The pillows shall be placed in two rows, perpendicular to each other, one on top of the other.

b. Peat Moss Bales

In order to fill in any potential void spaces between the pillows, each module shall contain ten (10) loose peat moss bales. Three (3) bales shall be placed, spread and leveled over the first row of peat pillows. Seven (7) bales shall be placed, spread and leveled over the top row of peat pillows.

The peat moss pillows and bails are placed on a pallet and shrink wrapped. One module contains one pallet of peat.

4. Inlet Pipe

Each 300 Series Moss Filter shall contain a 4" PVC inlet pipe reduced to 2", with a 90 degree fitting. The inlet pipe shall be connected to the gravity or pressure fed sewer pipe entering the Eco-Pure module using the provided rubber coupling. The bottom of the inlet pipe shall be elevated 6" above the distribution plate.

5. Distribution Plate

Each 300 Series Moss Filter shall contain a distribution plate constructed of high density polyethylene (HDPE) and manufactured using the rotational molding process. The color of the distribution plate shall be white.

The dimensions of the distribution plate shall be 66-1/2" x 20-1/2" (L x W). The distribution plate rests directly on top of the leveled sphagnum peat moss.

The distribution plate shall be corrugated and shall contain thirty-nine (39), 1/2" discharge holes placed 6" apart. Thirteen (13) discharge holes are placed in each of the distribution plate's three (3) troughs.

6. Discharge Piping and Air Vent

The discharge piping and air vent shall be 4" slotted pipe placed in the sump channel located in the bottom of the module. This discharge piping shall be bedded in 1" - 2" diameter non-reactive, clean river rock. The discharge piping shall run beneath the peat bed and shall be connected at the top of the module allowing for passive movement of air throughout the entire peat bed.