



## Puraflo® Peat Fibre Biofilter

### Virginia: Replacing Peat Media

*(Note: The life of Puraflo® peat media is estimated to be proximally 15 years when the system is installed and operated properly. Replacing media without correcting potential problems may lead to a shorter lifespan.)*

#### **Needed:**

- 1 Request Repair Permit, if required by local Health Department.
- 2 Licensed Installer or Service Provider to oversee changing out of peat media.
- 3 Bord na Mona Trainer or Replacement trained professional to oversee installation if needed.
- 4 Paint Filter testing of spent media before removing peat
- 5 Contact Deposal site (landfill) and send paper work and testing results. Each landfill requires different testing and paper work. Call Bord na Mona for requirements.
- 6 Contact Deposal site (landfill) and secure Date, Time, and Payment
- 7 50 lbs of lime to stabilize spent peat from each modules
- 8 Backhoe, skid loader, or other equipment to lift 1500 lbs. of peat / transport modules.
- 9 Equipment to remove peat from Modules by hand or shoveling.
- 10 Two workers with pitchforks & shovels.
- 11 Water Tight container or truck for transporting to landfill
- 11 Two ½” wrenches, shovels and forks, water hose, wet vacuum, power cord.
- 12 1” and 1.25” PVC union or coupling (one per module), saw, primer, & glue.
- 13 Water and power source to reach module area.
- 14 50 lbs. (four 5 gal. buckets full) of clean septic stones or 1 inch gravel per module to fill bottom of module.
- 15 Replacement media from Bord na Móna (2.25 meters<sup>3</sup> peat or 1.25 cubic bags per module).

#### **Process:**

1. Remove lids.
2. Shovel out all peat media (Must not have standing water). Add lime as spent media is being removed.
3. Clean or Wet vacuum very bottom for final cleaning.
4. Remove grid if needed. (cut on horizontal piping)
5. Ensure that all drain holes are open & flowing (trench type system will have two open holes on one side & two plugged holes on the other).
6. Run pump to ensure that inlet piping is open.
7. Place 200 lbs. + of 1 inch gravel over outlet holes and around module drain channels.
8. Place peat media in modules up to 2<sup>nd</sup> step (1/2 bag) and walk on it to pack it.
9. Place peat media to grid level (1/2 bag) and walk on it to pack it.
10. Replace grid, (slide under center bar if needed, bar and spring over back bar) glue together with 1 ¼ inch union or coupling, ensuring that the grid is strapped to cross bars with stainless steel straps and level (do not cover grid until all grids are in and checked)
11. Run pump and insure all grids are receiving same amount of water and evenly dispersing water over media (pushes or pulls bars to level grid).
12. Place peat media to 6 inches above grid (1/4 bag) and level out. DO NOT step on grid.
13. Replace lids (bolt one side down at a time). Use crowbar if needed to fix lid.
14. Perform draw down test & verify that the control panel is set properly.