



## Puraflo® Peat Fibre Biofilter

### Replacing Peat Media General

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

#### **Needed:**

1. Apply for repair permit if required.
2. Bord na Mona or certified Trainer/Installer to oversee project.
3. Backhoe, skid loader, or other equipment to lift 1500 lbs. of peat / transport modules.
4. Equipment to remove peat from Modules by hand (eg. shoveling) or pump truck to pump partly-dry material (and 1 inch rock), preferably with a dump bed.
5. Two workers with pitchforks & shovels.
6. Approved land application area, landfill, or sewage treatment plant with drying bed for disposal.
7. Two ½" wrenches, shovels and forks, water hose, wet vacuum, power cord.
8. 1" and 1.25" PVC union or coupling (one per module), saw, primer, & glue.
9. Water and power source to reach module area.
10. 150 lbs to 200 lbs (four 5 gal. buckets full) of clean septic stones or 1 inch gravel per module to fill around outlets at bottom of module.
11. 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. If using a pump truck, add water as needed.
3. Pump or shovel out all peat media and gravel. (Wet vacuum for very bottom 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 150 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, 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 (push or pull 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).
14. Perform draw down test & verify that the control panel is set properly.

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