

Translations:Phytoépuration eaux usées/142/en

The horizontal-flow filter (HF) collects the filtered wastewater following the vertical filter. The horizontal filter works "loaded up," meaning, the substrate is nearly always saturated in water. In absence of oxygen, anaerobic bacteria denitrify, or remove the nitrogen, from the water: they collect the oxygen they need from the molecules of nitrates, which then go on to transform into dinitrogen: $\text{NO}_3^- \Rightarrow \text{N}_2\text{O} \Rightarrow \text{N}_2$