

Abstract

Biofilter Channel and Method of Purifying Waste Water Systems

A biofilter comprising a first channel module having an inlet and outlet and having across the channel module, alternate rows of restricted flow having material of large surface area to volume and rows of more open flow. Aerobic bacteria form on the surfaces of the rows to digest and thus purify the impurities in waste water flow along the channel. The outlet of the first channel module is connected to the inlet of a second channel module, positioned beside the first channel module. This could be repeated with any suitable number of channel modules.

FIGURE 1