

What is a BioSand Filter ?

A BioSand filter (BSF) is an adaptation of the traditional slow sand filter, which has been used for community drinking water treatment for 200 years. The BioSand Filter is smaller (about 1 m tall, 0.3 m wide on each side) and adapted so that it does not flow continuously, making it suitable for use in people's homes. The filter container can be made of concrete or plastic. It is filled with layers of specially selected and prepared sand and gravel. The sand removes pathogens and suspended solids from contaminated drinking water. A biological community of bacteria and other microorganisms grows in the top 2 cm of sand. This is called the bio layer. The microorganisms in the bio layer eat many of the pathogens in the water, improving the water treatment.

