

# A simple idea that saves lives

Some 110,000 Ugandans have gained access to clean drinking water since Spouts of Water was launched. Here's a look at how the ceramic filter is made:



1

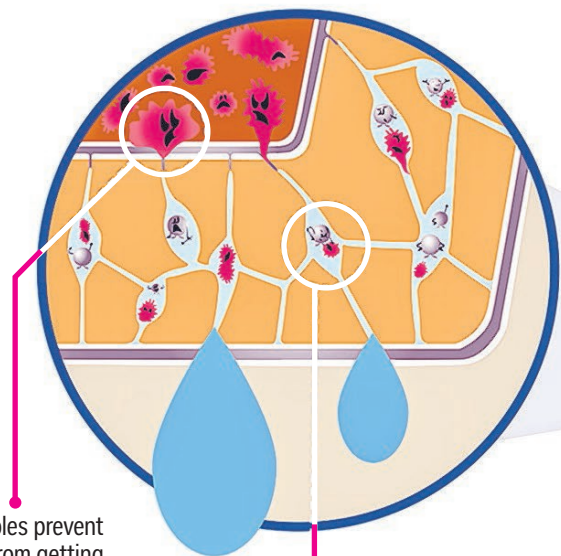
Locally sourced clay and sawdust are ground into fine powder



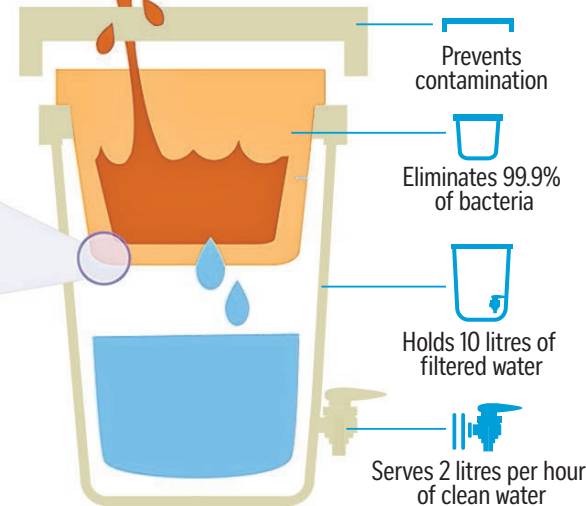
2

They are mixed with water

Small holes prevent pollutants from getting into the drinking water



Removes bacteria with silver nitrate - a biocide that keeps the drinking water pure



3

A hydraulic press is used to stamp out pot-shaped filters from the mixture. The pots are dried for two weeks and then fired in a kiln. This burns off fine sawdust particles, thus creating the microscopic holes for filtration



4

The pots are checked for cracks and other defects. The ones selected are coated with a thin layer of silver nitrate, which is a biocide that enhances bacteria removal



5

The filters are placed in plastic dispensers which can serve 2 litres of clean water per hour