



Water Filtrons

-Protect your family from
water related diseases

Sustainability:

The filtrons are created from local clays and manufactured by local people.

Nothing goes to waste during this process. Left over or inadequate clay goes toward producing brick or roof tiles at the local Songhai center.



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Use:

Pour water into the top of the ceramic filter. In roughly 2 hours, the water will filter through to the storage receptacle. Water can then be accessed through a spigot on the storage receptacle. -Average flow rate: 2.5 L/hr



How it works/how it's made:

- Three types of local clay are mixed with sawdust then pressed into a filter mold using a press made locally at the Songhai center. When the mixture is fired to a temperature of 900 C the sawdust burns and creates tiny pores in the ceramic which allows clean water to filter while microorganisms are trapped and remain in the filter.
- The filters are impregnated with colloidal silver to prevent the growth of bacteria in the water and the filter itself.
- After firing, 5% of the filters are randomly selected and the filtered water is tested for the presence of microorganisms. This ensures the quality of all the filters being sold.



Cleaning:

The filtrons are relatively low maintenance.

The filtering unit can work effectively for 1 to 7 years. This depends on proper care and maintenance.

