Filtration System

- Integrates ceramic Filtrón filter with activated carbon
- Removes biological, anthropogenic, and metal contaminants



- Benefits
 - •Easy to use and maintain
 - •Can be implemented anywhere
 - Stimulates local economy

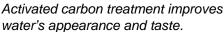
Filtrón Filter

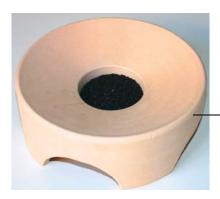
- Potters for Peace (PFP) ceramic filter
- Colloidal silver infused to inhibit mold growth on Filtrón surface
- Minimal cost and energy required

 Standardized shape made from simple press and car jack



Pores in the Filtrón physically block the flow of pathogens in





Funnel prototype holds activated carbon below Filtrón filter

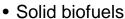
Activated

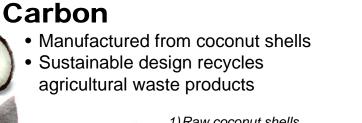


Water filter system provides sufficient removal efficiency with ease for individual use.

Activation Kiln

- Kiln used to fire Filtróns and manufacture activated carbon
- Made from local materials
- Sustainable fuel sources:
 - Reclaimed biogas







- 1) Raw coconut shells.
- 2) Broken shells carbonized at 500°C
- 3) Grinded and sieved char activated with 900°C steam



