

CLAY WATER FILTER

Invention Summary:

ITI water filter developed using a clay mixture to filter unwanted contamination from drinking water is now available in two sizes after a decade of R&D investigation since 2011. The filter removes fluoride, arsenic and cadmium in drinking water for levels less than the acceptable levels of contamination by the World Health Organization (WHO). It reduces water hardness as well.

Technology overview:

Chronic kidney disease (CKD) is a worldwide health crisis. In Sri Lanka CKD is suspected to cause by consumption of contaminated water in north central & western provinces. The water filter technology developed by ITI scientifically optimized to remove most of the suspected contaminant from water according to standards. The technology is transferred and commercialized.

Potential Applications:

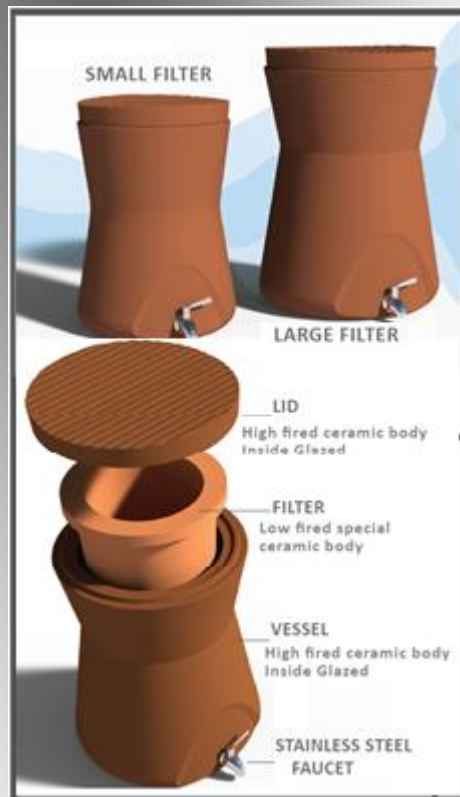
Filter is suitable to use in countries where water is contaminated with fluoride, heavy metals and water hardness.

Product Advantages:

- Scientifically proven for removal of fluoride, As and Cd from water
- With regenerating procedure for fluoride (possible at domestic level)
- Water quality was tested by ITI and by other recognized institutions according to the standard
- A reliable import substitution
- Low cost and eco-friendly
- Benefits the low income community

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