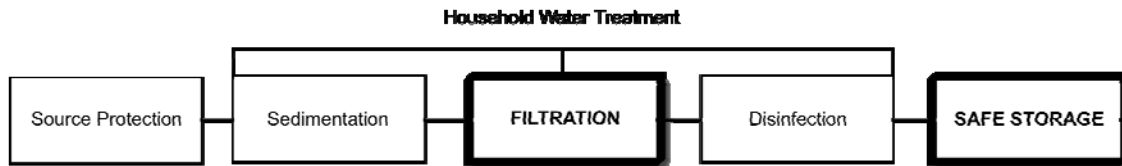


Household Water Treatment and Safe Storage Fact Sheet: Ceramic Pot Filter

Treatment Type



Effectiveness

Very Effective For:	Somewhat Effective For:	Not Effective For:
<ul style="list-style-type: none"> • Bacteria • Protozoa • Helminths • Turbidity • Taste, smell, colour 	<ul style="list-style-type: none"> • Viruses • Iron 	<ul style="list-style-type: none"> • Chemicals

How Does it Work?

Ceramic pot filters are usually made from clay mixed with a combustible material like sawdust, rice husks or coffee husks. Colloidal silver is sometimes used to help with pathogen removal. Water is poured into a ceramic pot, and is collected in another container that has a tap at the bottom. This system also provides safe storage until it the water is used.

Effectiveness

- Quality: Very effective in removing turbidity and pathogens; provides safe storage to prevent recontamination
- Quantity: Can filter up to 8 litres each batch
- Local water: Can be used with any water source, may need to sediment water before using the filter

Appropriateness

- Local availability: Can be manufactured and purchased locally
- Time: Flow rate is 1-3 litres/hour
- Operation and maintenance: Simple maintenance to clean the pot when the flow rate slows down
- Lifespan: Up to 5 years, generally 1-2 years; needs to be replaced if there are visible cracks

Acceptability

- Taste, smell, colour: Usually improved
- Ease of use: Very easy

Cost

- Initial purchase cost: US\$12-25
- Operating cost: None

