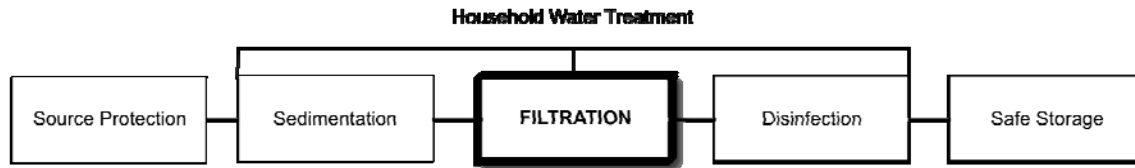


Household Water Treatment and Safe Storage Fact Sheet: Lifestraw®

The Treatment Process



Potential Treatment Capacity

Very Effective For:	Somewhat Effective For:	Not Effective For:
<ul style="list-style-type: none"> • Bacteria • Viruses • Protozoa (Family) • Helminths (Family) • Turbidity (Family) 	<ul style="list-style-type: none"> • Turbidity (Personal) 	<ul style="list-style-type: none"> • Protozoa (Personal) • Heavy metals

How Does it Work?

Both systems use a filtration system and a halogenated media for disinfection to treat contaminated water. The filter of the Personal LifeStraw has larger pores than the Family so does not have the same removal efficiency of pathogens or turbidity. The personal LifeStraw is used much like a straw by sucking water through the device, whereas the Family LifeStraw is a bucket that contaminated water is poured into.

Effectiveness

- Quality: Personal – very effective in removing bacteria and viruses; Family - Very effective in removing pathogens and turbidity
- Quantity: Can filter up to 700L (Personal) or 18,000 L (Family)
- Local water: Can be used with any water source, may need to sediment water before using the filter



Appropriateness

- Local availability: Can be purchased from Vestergaard Frandsen and imported, distributed and sold locally
- Time: Flow rate is 8-10 litres/hour
- Operation and maintenance: Blow into device to clean (Personal); Clean the cartridge and pre-filter everyday to prevent clogging (Family)
- Lifespan: Up to 3 years

Acceptability

- Taste, smell, colour: Filtered water has improved taster, smell and colour
- Ease of use: Easy

Cost

- Initial purchase cost: US\$3 (Personal); US\$25-40 (Family)
- Operating cost: None

