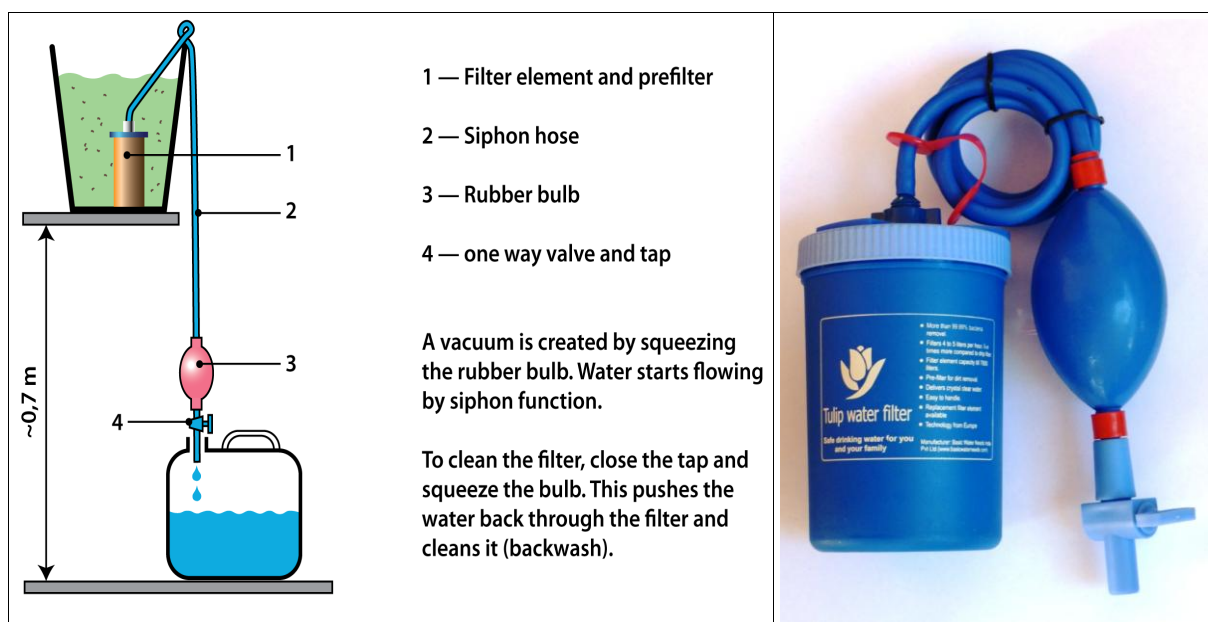


The Siphon filter



How it works

The Siphon filter concept consists of a high quality silver impregnated filter element (candle-type) of diatomateous earth, a hose and a bulb with a tap. Filtering can be started by placing the element in a container with contaminated water about 70 cm above the clean water container. The siphon action is started by squeezing the bulb. The siphon pressure forces the water through the filter element. If the flow rate reduces because of clogging, the filter element can be unclogged by backwashing. This is done by closing the tap and squeezing the bulb, which forces the water back through the filter, pushing dirt particles out. In case backwashing is no longer efficient the element can be scraped with a scrubpad. Waterlaboratorium Noord, an independent laboratory in The Netherlands, tested the Siphon filter and concluded that it removes 99.99% of E.coli.

Properties / features

- Uses existing storage (buckets)
- Filter capacity: 7,000 Litres
- Cleaning with backwash option and scrub pad
- Bacterial Removal : over 4 LRV (over 99.99%)
- Turbidity removal rate (to less than 5 NTU)
- Flow rate: 5-6 Litres/hour (80 - 100 litres/day)
- Small volume low weight, therefore easy for transport and storage

Cost FOB;	4.8 - 6 US\$ Depending on volumes
Retail price;	8 - 12 US\$: Complete filter. 3 - 4 US\$: filter element
Life time;	Plastic parts 5 year, Filter element 7,000 litres (ca 1 year)
Cost /100ltr (long term);	Ca 0.1 US\$
Numbers in use;	70,000
Sold/disseminated;	Africa, Asia and Latin America
Yearly sales;	Expected sales in 2010; 150,000. In 2011; 300,000
Evaluations;	Zimbabwe, Tanzania, Mozambique.
More information;	www.connectinternational.nl