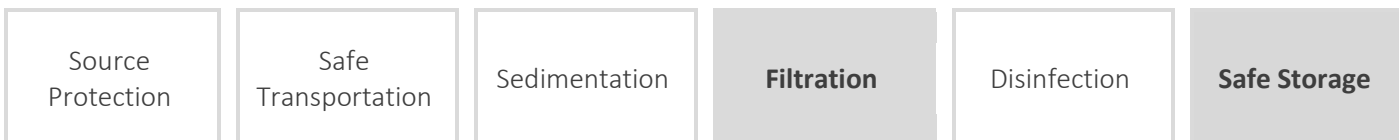


# British Berkefeld Household Filter Kit



## What is it?

This tabletop filter is produced in the UK by British Berkefeld. The kit includes two, three, or four ceramic candles, two 16 L buckets with snap-on lids, a tap for the storage container, hardware for installation, and a tool to measure the diameter of the candles. Kits sold for emergency response typically come with two silver-impregnated ceramic candles.



## Performance

### Microbiological Effectiveness:

Parameter	Effectiveness
Bacteria	Very Effective (>99%)
Viruses	No independent tests
Protozoa	Very Effective (>99%)
Helminths	Very Effective*

\*Assumption based on pathogen size

### Other Parameters

Effective for removing turbidity.

### Source Water Requirements

Very turbid water may cause the filter to clog quickly and require more frequent cleaning.

### Capacity

Can treat 16 L at a time. Flow rate is 1 L per ceramic candle per hour.

### Lifespan

Manufacturer-stated lifespan is 10,000 L per ceramic candle. Actual lifespan will vary, depending on water quality, use, and maintenance.

## Ease of Use & Acceptability

### Operation & Maintenance

Users pour water into the top of the upper container and wait for water to flow through the filter into the lower safe storage container. Treated water can be accessed through the tap. When flow rate decreases after some time, a scrub pad can be used to rub away a very small layer of the ceramic material.

### Repair & Replacement

The ceramic candles are fragile and must be replaced if there are cracks or leaks, or when repeated cleaning makes them thinner than the measuring tool provided. Plastic parts are more durable but may need replacement.

### User Considerations & Preferences

A safe storage container is included with the filter. The filter should be kept out of sunlight to avoid degradation of plastic parts.

## Feasibility

### Availability

Produced and sold by British Berkefeld. Can ship internationally. Must be ordered in bulk (100 filters or more).

### Cost

US\$24–31 (plus shipping) for kits with two candles.

### Size & Weight

Not available.

## More Information

Details and references: [www.hwts.info/products-technologies/62d9fef4/british-berkefeldr-household-filter-kit](http://www.hwts.info/products-technologies/62d9fef4/british-berkefeldr-household-filter-kit)

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