

SM4U

STAINLESS STEEL GRAVITY WATER FILTER



Rainfresh SM4U Stainless Steel Gravity Water Filter is designed to provide microbiologically safe drinking water from virtually any water source (lake, river, pond, stream, well etc.) without the use of pumps or electricity.

It utilizes Rainfresh's unique self-disinfecting, silver-impregnated ceramic filtration technology to trap & kill >99.9999% pathogenic bacteria (e.g. E. coli), >99.95% protozoan cysts (e.g. Cryptosporidium & Giardia), reduces microplastics in addition to reducing sediment and suspended matter down to 0.3 micron absolute (1 micron = 1/1000 mm).

HOW IT WORKS

SM4U comprises of two separate water containers, one for the untreated water and the other for safe drinking water. Both containers are constructed from sturdy, non-magnetized, polished stainless steel.

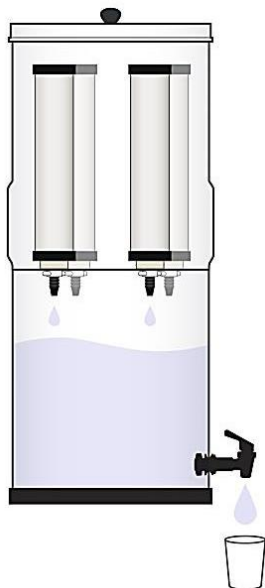
The upper container holds about 8.5 liters of untreated water. It also has four ceramic cartridges through which the untreated water flows under gravity and gets collected in the bottom treated water container. As water passes through the ceramic cartridges, harmful bacteria and cysts are trapped inside the cartridges and safe drinking water passes through.

Safe water is dispensed from the spigot (included).

TESTING AND CERTIFICATION

Rainfresh SM4U is tested and certified by CSA Group to NSF/ANSI 53 for reduction of cysts (e.g. Cryptosporidium & Giardia), to NSF/ANSI 401 for reduction of microplastics and to NSF/ANSI 42 Class 1 for particulate reduction.

It is also independently tested for reduction of coliform, E. coli & other bacteria (see below)



PROTECTS AGAINST

- Coliform Bacteria (e.g. E. coli)
- Cryptosporidium & Giardia Cysts
- Microplastics
- Chlorine, Taste, Odour
- Sediment (0.3 micron)

Contaminant	Reduction Efficiency	Log Reduction
E. coli (Faecal Coliform)	> 99.9999%	> 6 log
Serratia marcescens	> 99.9999%	> 6 log
Salmonella typhimurium (Typhoid)	> 99.9999%	> 6 log
Vibrio Cholera (Cholera)	> 99.9999%	> 6 log
Shigella dysenteriae (Dysentery)	> 99.9999%	> 6 log
Klebsiella terrigena	> 99.9999%	> 6 log

KEY BENEFITS

- Prevents water-borne diseases such as cholera, typhoid, diarrhoea, dysentery etc.
- Compact & portable design with 304-stainless construction
- Can be used on well, river, lake, pond or cistern water
- Cartridges are self-disinfecting, do not need to be boiled
- Cleanable cartridges last long, up to 100 cleanings

Unique Features

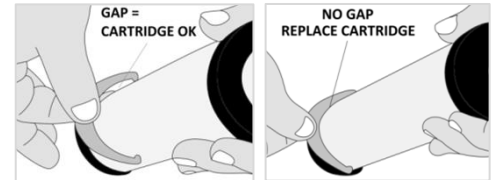
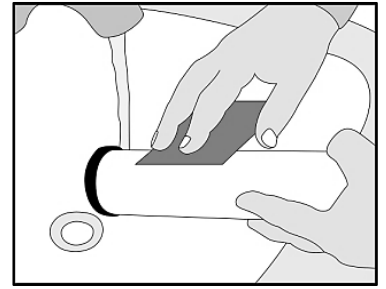


CLEANABLE SELF-DISINFECTING FILTER CARTRIDGE can be cleaned up to 100 times. This feature allows the unit to be used even in high turbidity water. On clean water the cartridge lasts over 1,500 US gal (> 5,500L)

Benefit:

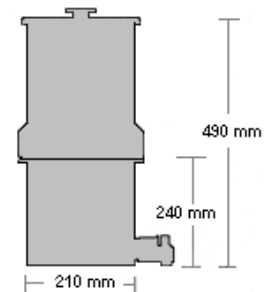
- Lasts longer and no need to change filters
- Economical without compromising on performance
- Environment friendly - No plastic wastage
- Usable even with higher levels of turbidity
- No need to boil cartridges

A cartridge gauge is included with the unit. After multiple cleanings, if the gauge can be passed over width of the ceramic it is time to replace the cartridge.



Specifications

Model	Treated Water Storage	Max Avg Flow Rate	Weight (Empty)	Units / Skid
SM4U	8.5L (2.25 US Gal)	2.9 LPH (0.8 US GPH)	3.5 Kg (7.7 lb)	33



What's Included

- 304-Stainless steel container set with base
- Spigot
- Ceramic cartridges (model 7300G) – 4
- Scrub pad
- Filter gauge
- Hole plug



Tested and certified by CSA Group to NSF/ANSI 53 for reduction of cyst (e.g. Cryptosporidium & Giardia), to NSF/ANSI Standard 42 for reduction of chlorine, taste & odour, to NSF/ANSI Standard 42 Class I for particulate reduction and to NSF/ANSI 401 for microplastics reduction.

The standard referenced above evaluates products for use with disinfected waters.

Additional testing and verification for reduction of bacteria (>99.9999%), cyst (>99.95%) and particulates performed by independent laboratory.

Limited 5 year warranty

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