

P2S

Siphon Water Filter



Rainfresh P2S Siphon Water Filter is a point-of-use filter 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's simple design and ease of use makes it an ideal choice for disaster relief or in areas with no access to safe drinking water.

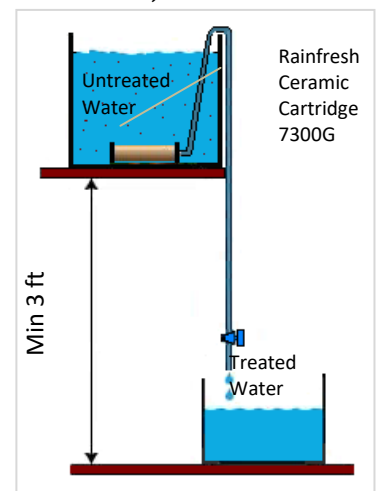
It features Rainfresh's unique self-disinfecting, silver impregnated ceramic filtration technology to trap & kill >99.9999% pathogenic bacteria (e.g. E. coli) and >99.95% protozoan cysts (e.g. Cryptosporidium & Giardia) in addition to reducing sediment and suspended matter down to 0.3 micron (1 micron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

HOW IT WORKS

P2S comprises of a ceramic filter with tubing attached, two separate water containers, one for the untreated water and the other for safe drinking water. The containers are shipped one nestled inside the other and are constructed from food-grade plastic.

Untreated water is poured in one of the containers which is then placed at a vertical height of not less than 3 feet (1m). The second container is placed at the ground level. The ceramic filter is placed in the dirty water container with the tube running down to the empty container.

Suction is applied to the end of the tube and water slowly passes through the ceramic filter and safe drinking water drips into the empty container at a max flow rate of 0.4 US GPH (1.5LPH). As water passes through the ceramic cartridges, harmful pathogenic bacteria and cyst are trapped inside the cartridges and safe drinking water passes through. Water can be shut down by turning the valve off, as required.



TESTING AND CERTIFICATION

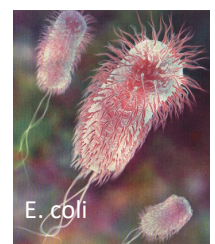
P2S uses Rainfresh 7300G ceramic filter cartridges that have been tested and certified by CSA International (component) to NSF/ANSI 53 for reduction of cysts (e.g. Cryptosporidium & Giardia).

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

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

- Traps and kills pathogenic bacteria and parasites
- Traps cyst, such as cryptosporidium & Giardia
- Reduces sediment down to 0.3µ absolute
- Can be used on ground or surface water
- Cartridges are self-disinfecting, do not need to be boiled
- Cleanable cartridges last long, up to 100 cleanings



P2S Siphon Gravity Water Filter

FEATURES



Cleanable Cartridges (Model 7300G)

When the ceramic cartridge gets plugged with dirt, it can be easily cleaned by scrubbing the surface of the cartridge using a scrub pad (included with unit).

A cartridge gauge (also included) is used after every cleaning to check whether the cartridge diameter is within safe limits. When the gauge diameter equals or exceeds the diameter of the cartridge, the cartridges need replacement.

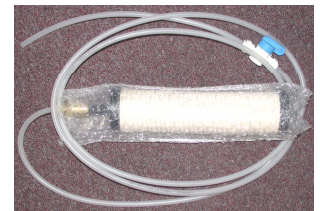


Cartridge OK
Gauge does not touch cartridge

Replace Cartridge
Gauge touches cartridge

OPTIONAL MODEL

Rainfresh Siphon Filter can also be purchased without the pails (model GS7300G) if clean containers are available in the disaster area.



SPECIFICATIONS

Model	Includes 2 Pails	Treated water storage capacity L/US Gal.	Max Avg Flow rate L/H (US Gal/hr) at 3 ft vertical head*	Number of Cartridges (Model 7300G)	Cartridge Model
P2S	Yes	35 / 9.25	4.6 (1.21)	1	7300G
GS7300G	NO	N/A			

* - Flow rate will increase with increase in vertical head.

ABOUT ENVIROGARD

For over half a century, Envirogard's imaginative products under the brand "Rainfresh" have lead the water filtration and treatment industry in Canada and over 40 countries worldwide. Envirogard products help millions of people all around the world to meet their needs for safe drinking water.

Nov 2016



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