

GRAYL

ULTRALIGHT™

PURIFIER CARTRIDGE



Active Technology:

Ion exchange, ultra-powdered activated carbon.

Antimicrobial: Yes

Chemical-free: Yes

BPA free materials: Yes

Size: 2.9" (7.3 cm) H x 3.1" (7.8 cm) W

Weight: 2.8 oz (80 g)

Fast Flow Rate: 15 seconds per 6oz (2 liters/minute)

Lifespan: 300 presses (150L/40 gal)

Shelf Life: Stored under proper conditions, an unopened Purifier Cartridge has a shelf life of 10 years. After a cartridge has been used, it lasts at least 3 add'l years.

REMOVES

VIRUSES (99.99%)

ROTAVIRUS, NOROVIRUS, HEPATITIS A

BACTERIA (99.9999%)

E. COLI, SALMONELLA, DYSENTERY

PROTOZOA (99.9%)

GIARDIA, CRYPTOSPORIDIUM, AMOEBAE

FILTERS

PARTICULATES

MICROPLASTICS, SEDIMENT, SILT

CHEMICALS

CHLORINE, BENZENE, CHLOROFORM

HEAVY METALS

LEAD, ARSENIC, CHROMIUM

TECHNOLOGY

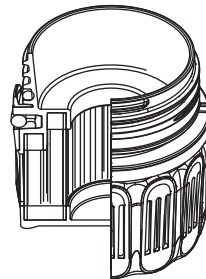
300 PRESSES

150 L / 40 GAL

2L / MIN

ONE PRESS™

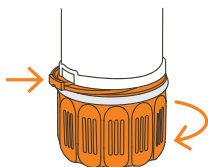
15 SECONDS



PURIFIER LIFESPAN

The lifespan of a cartridge varies with the quality of the water sources; the clearer, the better. High levels of silt or sediment will shorten the lifespan of the cartridge. Typically, when using clear water, a cartridge will be effective for **~300 cycles (150L / 40 gal)**. As "press time" reaches **~25 seconds** (or three years have elapsed since first use) it's time to replace your cartridge. *Cartridge continues to protect, even as press time increases.*

CARTRIDGE REMOVAL

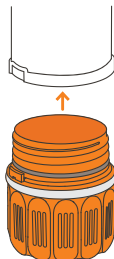


COUNTER-CLOCKWISE

REMOVAL

Locate the Purifier Cartridge "lock tab" at bottom of Inner Press. Then pull out the "lock tab" and unscrew the cartridge **counter-clockwise** (lefty loosey) until it separates from the Inner Press.

CARTRIDGE INSTALLATION

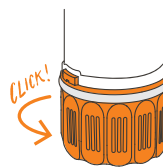


INSERT CARTRIDGE

INSTALLATION

Firmly grasp Inner Press, then insert cartridge into bottom of Inner Press.

CAUTION: Proper installation of cartridge prevents cross-contamination.



CLOCKWISE

ROTATE & LOCK

Rotate the cartridge **clockwise** (righty tighty) until you feel the "lock tab" firmly click into the lock slot. Do not over tighten.

PRECAUTIONS

NO FREEZING.

Purifier Cartridges are not significantly degraded after one freeze/thaw cycle. However, don't use a cartridge after 3 or more freeze/thaw cycles. Protect your ULTRALIGHT Purifier Bottle in freezing temperatures by keeping it full of water and insulate in a jacket or sleeping bag.

NO HOT (OR BOILING) WATER, OR MICROWAVES.

Do not expose Purifier Cartridge to water hotter than 120F (50C), it will harm purifier media. Do not put your ULTRALIGHT Purifier in the microwave.

SOURCING THE BEST WATER.

Always begin with the cleanest (least silty) water available. For instance, streams are generally better than lakes and bogs (which are often have higher levels of sediment and tannins).

CYANOBACTERIA, EXCESSIVELY HIGH LEAD LEVELS, MERCURY, ETC.

Purifier Cartridges are designed to remove trace levels of chemicals and heavy metals. The ULTRALIGHT Purifier was NOT designed to protect against industrial disasters, coal ash spills, very high lead levels, mercury, nuclear disasters or toxic blue-green algae (cyanobacteria), etc. Find another water source in these situations.

CROSS-CONTAMINATION.

Do not expose/fill the Inner Press with untreated water, cross contamination may occur. If this does happen, disassemble and wash ULTRALIGHT (not Purifier Cartridge) with soapy water and rinse thoroughly. Alternatively, thoroughly dilute potential contaminants by pressing (and agitating) water through the ULTRALIGHT Purifier 5-7 times.

DURABILITY & ACCIDENTAL DROPS.

Incredibly durable, the ULTRALIGHT Purifier withstands drop tests (at full capacity) up to 10 feet (3 meters).

CARE BETWEEN USES

DON'T USE SOAP ON CARTRIDGE.

Do not wash the Purifier Cartridge with soap or other cleaning agents. Soap will damage the purifier media. You may rinse the cartridge with clean water as needed.

PROPER CARE & STORAGE.

For long-term storage, prepare the ULTRALIGHT Purifier Bottle to prevent growth of mildew and odors. Thoroughly dry cartridge by performing one 'dry press' by pressing the wet Purifier into an empty (no water) Outer Refill and dump excess water. Allow cartridge to air-dry thoroughly (depending on humidity it will take 2-4 days to completely dry). Hand wash all other parts with warm, soapy water. Reassemble unit to create air tight seal for storage. Purifier Cartridges can last up to three years after opening if cared for properly between uses.

WE HAVE YOU COVERED

TESTING STANDARDS.

Independently tested by certified laboratory to meet or exceed NSF protocol 42 and 53 for pathogen and chemical removal. Meets the EPA Guide Standard and Protocol for testing microbiological water purifiers.

ZERO WASTE RECYCLING PROGRAM.

To participate in our zero waste cartridge recycling program, please visit www.grayl.com/recycle

QUESTIONS?

For answers to the most common questions, live chat, and product support, please visit www.grayl.com/help

INTERNATIONAL MANUALS.

Manual / Handbuch / Manuali / Manuels / マニュアル / 取扱
www.grayl.com/manuals

#EMPOWERADVENTURE

www.grayl.com/manuals

GRAYL®

GRAYL.COM / SEATTLE, USA

© 2020 GRAYL, INC. ALL RIGHTS RESERVED.

1631 15TH AVE W #208
SEATTLE, WA 98119
877.293.7861