

GRAYL®

16 OZ (473 mL)

ULTRALIGHT PURIFIER BOTTLE

QUICKSTART GUIDE



FILL. PRESS. DRINK.
#PURIFYWATERANYWHERE



FULL-SPECTRUM Purification + filtration.

Whether filling up at a sketchy hotel sink in Peru, on a gnarly trail needing to drink from a dirty stream, or at home preparing an emergency kit – the GRAYL® Ultralight Purifier Bottle has it covered! With [ONE PRESS], the Ultralight provides full-spectrum protection from pathogens (viruses, bacteria, protozoa), sediment, chemicals and heavy metals.



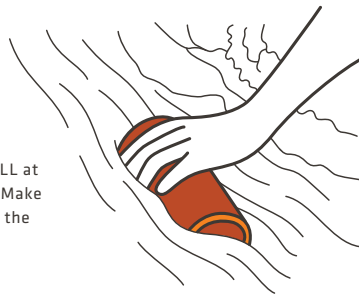
[ONE PRESS] Purification + filtration.



FILL.

Fill to indicated fill line.

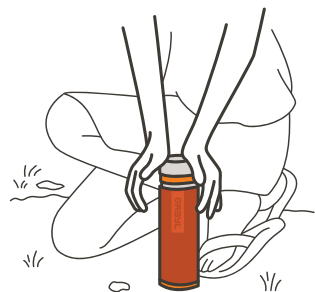
Fill the OUTER [RE]FILL at your selected source. Make sure NOT to fill above the indicated fill line.



PRESS.

Press on the ground, or below knee level.

Utilizing your body weight for mechanical advantage, press the purifier with steady downward force. Fast and easy; takes only 15 seconds.



DRINK.

Purified water, anywhere.

Safe drinking water for any adventure (backpacking, traveling, kayaking, road trips).



Always use the cleanest, safest, and most reliable water source available. High levels of sediment in the water will shorten life span of cartridge.

PRO TIPS From seasoned adventurers.

① VENTED-CAP PRESS (Press with cap on)!

Keeping the Loop Cap "on" while pressing creates a comfortable pressing surface which reduces hand discomfort or fatigue (especially when doing multiple presses). **Venting the cap** (loosening a 1/4 turn) allows air to pass through while purifying.

② KNEE LEVEL PRESS (Use your body weight).

GRAYL's purifier requires slow, steady force. And for good reason, it's doing very hard work, removing awful pathogens and chemicals from the water. Place the OUTER [RE]FILL below knee level on the ground, flat rock or tree stump. Press with straight arms and constant pressure. Smile, this is keeping you safe.

③ CAP-ON (Avoid cross contamination).

Keep the Loop Cap "on" the INNER PRESS to avoid possible cross contamination in (or near untreated water). A tight cap prevents 'dirty' water from entering the 'clean side' of the INNER PRESS due to accidental drops in untreated water.

④ DRY IT OUT (No growing gunk).

Between uses, ensure your bottle and cartridge are thoroughly dry to avoid growth of mold and bacteria. One last 'dry press' of the cartridge removes excess water. Air dry disassembled in the sun (if available) for a minimum of 48 hours until completely dry. Store dry and fully assembled.

⑤ DON'T LET IT FREEZE (Keep by your side).

Purifier cartridges can withstand up to two freeze/thaw cycles, but it's best to prevent freezing. On adventures where temps are near or below freezing, keep your bottle full (to increase freezing time) and close to your body in a warm coat pocket. At night, wrap in insulation or, better yet, keep it cozy in your sleeping bag.

⑥ INCREASED CAPACITY (Bring another bottle).

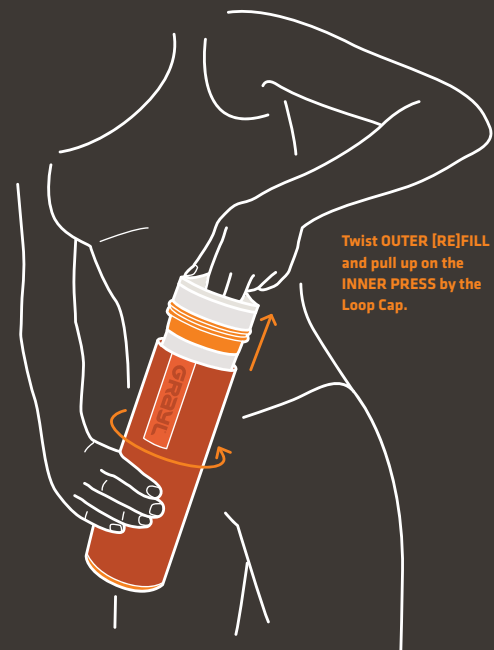
The Ultralight holds 16 fluid ounces (0.5L) of clean water. To extend your adventure, consider packing a collapsible soft bottle or hydration bladder to increase your capacity.

Separation.

Rotate and pull apart.

Use a twisting motion to help facilitate separation. If the INNER PRESS feels stuck, grab the LOOP CAP and twist clock-wise while pulling apart. This will unhinge and release the INNER PRESS.

When your GRAYL is completely dry, the INNER PRESS and OUTER [RE]FILL may require more force to separate. Make sure to twist as you pull apart.



Care between uses.

Don't use soap on Purifier Cartridge.

Do not wash the Purifier Cartridge with soap or any other cleaning agents. Rinse the cartridge with clean water, wipe with a towel and allow to air-dry thoroughly (depending on humidity, it will take a minimum of 48 hours to completely dry).

Wash bottle (not Purifier Cartridge) by hand.

Your OUTER [RE]FILL, INNER PRESS, and LOOP CAP can be washed by hand with warm, soapy water. Do not use soap on Purifier Cartridge.

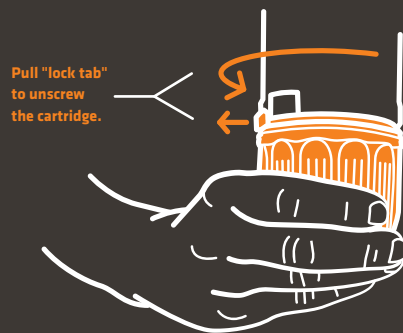
Care between uses.

Between uses, air dry thoroughly, then reassemble cartridge, bottle and cap, creating an air tight seal. The Purifier Cartridge lasts 3 years after first use. An unused cartridge lasts 10 years if properly sealed. Store in a cool, dry location.

Removal and installation of the Purifier Cartridge.

To REMOVE, locate the Purifier Cartridge "lock tab" at bottom of INNER PRESS. Then pull out the "lock tab" and unscrew the cartridge (lefty loosey).

To INSTALL, insert cartridge into INNER PRESS and screw tight (righty tighty) until Purifier Cartridge clicks into lock slot. Do not over tighten.



Purifier precautions.

Cartridge lifespan.

The lifespan of the Purifier Cartridge varies with the quality of the water source; the clearer, the better. High levels of silt or sediment will shorten the lifespan of the cartridge. When using clear water, the cartridge will be effective for ~300 cycles (40gal / 150L) ~ about three uses p/ day for three months. As cartridge life nears its endpoint, press time increases. When press time approximately doubles to ~30 seconds, it's time to replace your cartridge.

Purify freshwater only.

Use freshwater only (no other liquid). **NO salt water.**

Avoid industrial accidents and spills.

GRAYL is highly effective at removing low concentrations of many chemicals, pesticides and heavy metals. Avoid water affected by mine tailings or chemical spills, which may have high concentrations of chemicals, heavy metals and other toxins.

NO freezing.

Purifier Cartridges can withstand up to two (2) freeze/thaw cycles. Beyond two cycles, purifier performance begins to diminish and the Purifier Cartridge should be replaced.

Cross contamination.

Do not expose/fill the INNER PRESS with untreated water, cross contamination may occur. If this happens in the backcountry, disassemble and wash bottle (not Purifier Cartridge) with soapy water and rinse thoroughly. Alternatively, **thoroughly dilute** potential contaminants by pressing (and agitating) water through the bottle 5-7 times.

To avoid cross contamination when filling the OUTER [RE]FILL, keep the Loop Cap on tight to prevent untreated water from entering the 'clean side'. Additional benefit: a sealed INNER PRESS floats.

NO boiling water or microwaves.

Boiling water will destroy the purification media so do not purify hot or boiling water. Do not microwave any part of the bottle.

Durability of Purifier Cartridges.

Purifier Cartridge's are rated to withstand a six foot drop onto a hard surface. Larger drops may harm purifier media.

SAFE WATER for any adventure.

- ✔ **Fastest purification available.** Takes only 15 seconds.
- ✔ **For international travel, outdoor adventures and preppers.** Perfect for globetrotters, lightweight backpacking, hiking, fishing and survival.
- ✔ **Patented [ONE PRESS] design.** Makes clean, purified drinking water from virtually any freshwater source.
- ✔ **Fill. Press. Drink.™** Innovative design requires NO sucking, squeezing, pumping, prolonged waiting, or batteries.
- ✔ **Virus protection.** Removes 99.9999% of viruses (e.g. Hepatitis A, SARS, Rotavirus); 99.9999% of disease-causing bacteria (e.g. E. coli, Salmonella, Cholera); and 99.999% of protozoan cysts (e.g. Giardia, Cryptosporidium).
- ✔ **Improves health, flavor, odor & clarity.** Filters particulates, many chemicals and heavy metals.
- ✔ **Durable.** Engineered for harsh environments.
- ✔ **Lightweight & compact.** Fits into any pack side pocket.
- ✔ **Tested to NSF Standards 42+53.**



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International Quick Start Guide.

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