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LifeStraw LSC024

LifeStraw Community High-Volume Water Purifier

Model: LSC024

INTRODUCTION

The LifeStraw Community High-Volume Water Purifier is designed to provide safe, clean drinking water for large groups, making it ideal for communities, schools, and emergency preparedness. This system utilizes advanced purification technology to remove harmful contaminants, ensuring reliable access to potable water. Its robust design and high capacity make it a dependable solution for various environments.

PRODUCT FEATURES

- **Advanced Purification:** Removes viruses (Rotavirus, Hepatitis A), bacteria (E.coli, Salmonella), parasites (Giardia, Cryptosporidium), microplastics, organic chemical matter, dirt, silt, and sand.
- **High Capacity:** Holds 13 gallons (50 liters) at once, suitable for high-volume needs.
- **Long Lifespan:** Designed for a lifetime of 26,000 gallons, sufficient for 100 people for 3-5 years.
- **Durable Construction:** Made with BPA-free and FDA-compliant materials, built for harsh conditions.
- **Autofill Option:** Allows connection to a water hose for continuous filtration and easy access to the pre-filter.
- **No Power Required:** Operates on gravity, requiring no electricity, batteries, or complex replacement parts.
- **Easy Assembly:** Simple to set up, fill, and use.

SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove all parts from the packaging. Verify that all components listed in the packing list are present.
2. **Assemble the Unit:** Follow the visual instructions provided in the diagram below to connect the main body, legs, and top reservoir. Ensure all connections are secure.
3. **Install Filter:** Insert the purification filter into its designated slot within the upper reservoir. Ensure it is seated correctly to prevent bypass of unfiltered water.
4. **Position the Purifier:** Place the assembled purifier on a stable, level surface. Ensure there is enough space around it for filling and dispensing water.
5. **Initial Rinse (First Use):** Before first use, fill the top reservoir with water and allow it to filter through and dispense. Discard the first few liters of purified water to flush out any manufacturing residues.





Figure 1: Fully assembled LifeStraw Community Water Purifier.



Figure 2: Comparison of standard Community model and Community Auto-Fill model setup.

OPERATING INSTRUCTIONS

Manual Filling

1. **Open Lid:** Lift the lid of the top reservoir.
2. **Pour Unfiltered Water:** Slowly pour unfiltered water into the pre-filter area of the top reservoir. Ensure water does not bypass the pre-filter.
3. **Filtration Process:** Water will gravity-feed through the purification filter and collect in the safe storage container below.
4. **Dispense Water:** Use the spigots at the bottom of the unit to dispense purified water.



Figure 3: Man and woman filling the LifeStraw Community purifier with unfiltered water.



Figure 4: A person pouring water into the top reservoir of the purifier.



Figure 5: A child dispensing clean water from the purifier's spigot.

Autofill Operation (if applicable)

For continuous operation, the autofill model allows direct connection to a water source.

1. **Connect Hose:** Attach a standard water hose to the autofill inlet on the side of the purifier.
2. **Open Water Source:** Slowly open the water source (e.g., tap) to allow water to flow into the purifier. The autofill mechanism will regulate the water level.
3. **Monitor Flow:** Ensure there are no leaks and the water is flowing correctly into the pre-filter.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your LifeStraw Community purifier.

- **Backwashing the Filter:** The built-in backwash handle is crucial for maintaining filter flow rate. After each significant use or when the flow rate decreases, perform a backwash.
 - Ensure there is some purified water in the lower reservoir.
 - Operate the backwash handle according to the markings on the unit. This forces purified water back through the filter to dislodge trapped particles.
 - Discard the backwash water.
- **Cleaning the Reservoirs:** Periodically clean the upper and lower reservoirs with mild soap and water. Rinse thoroughly with clean water. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** If storing the purifier for an extended period, ensure the filter is thoroughly backwashed and allowed to air dry completely. Store in a cool, dry place away from direct sunlight.

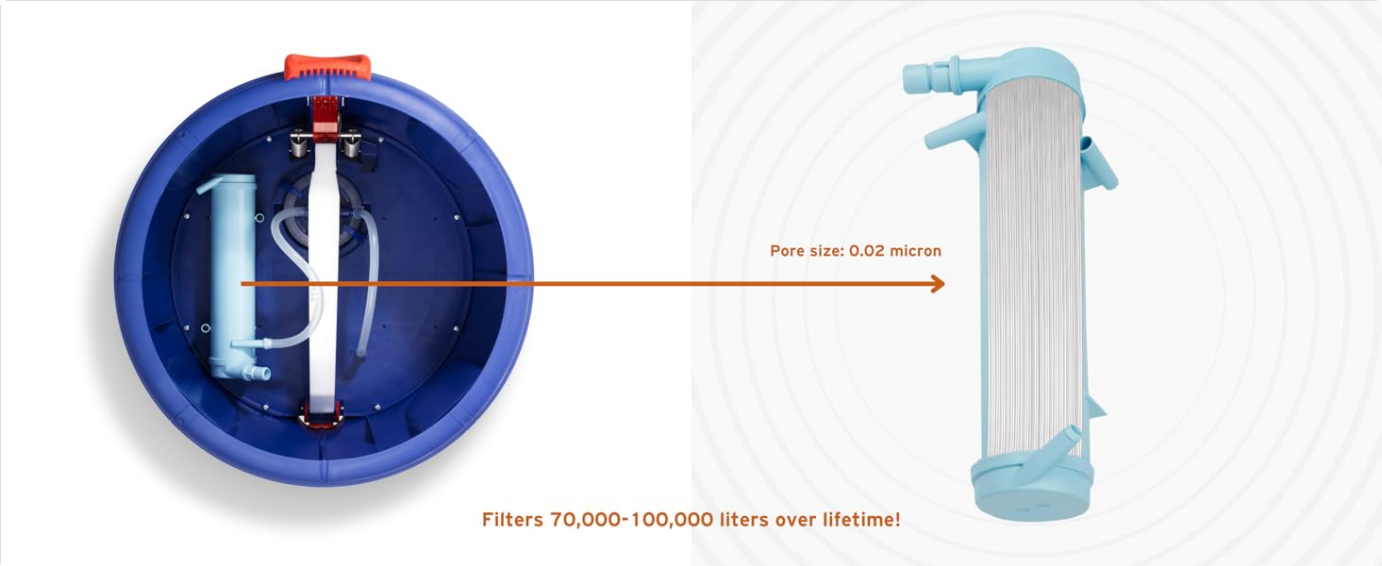


Figure 6: Diagram illustrating the internal filter and its 0.02 micron pore size, highlighting the importance of backwashing.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Slow water flow or no flow	Filter clogged with sediment or debris.	Perform a thorough backwash using the built-in handle. If flow does not improve, repeat backwash or consider filter replacement if it's past its lifespan.
Water tastes unusual or appears cloudy	Improper filter installation or damaged filter.	Ensure the filter is correctly seated. Inspect the filter for any visible damage. If damaged, replace the filter.
Leaks from connections	Loose connections or damaged seals.	Check all assembly points and tighten connections. Inspect O-rings and seals for damage and replace if necessary.
Autofill not working	Hose not properly connected or water pressure too low/high.	Ensure the hose is securely attached to the autofill inlet. Verify adequate water pressure from the source.

SPECIFICATIONS

- **Brand:** LifeStraw
- **Model Name:** Community
- **Part Number:** LSC024
- **Product Dimensions:** 23"L x 24.5"W x 23"H
- **Item Weight:** 10 Pounds
- **Installation Type:** Autofill Adapter Kit (optional)
- **Power Source:** Gravity
- **Filter Lifespan:** 26,000 gallons (approx. 100,000 liters)
- **Pore Size:** 0.02 micron
- **Removes:** 99.999999% of bacteria, 99.999% of parasites, 99.999% of viruses, 99.999% of microplastics.
- **Supported Water TDS Level Maximum:** 500 PPM
- **Materials:** BPA Free and FDA compliant



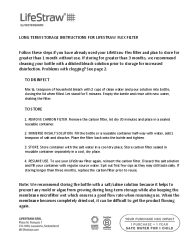


WARRANTY AND SUPPORT

LifeStraw products are designed for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official LifeStraw website. If you encounter any issues or require technical assistance, please contact LifeStraw customer support through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

For additional resources and frequently asked questions, you may visit the [LifeStraw Store on Amazon](#).

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Related Documents - LSC024

	<p>LifeStraw Go User Manual: Filtered Water On-the-Go</p> <p>Comprehensive user manual for the LifeStraw Go water filter bottle, providing instructions for first-time use, daily use, cleaning, storage, and important safety precautions. Learn how to ensure safe drinking water from various sources.</p>
	<p>LifeStraw Personal User Manual: Safe Water Filtration Guide</p> <p>Detailed user manual for the LifeStraw Personal water filter. Learn how to use, maintain, and safely operate your filter for clean drinking water. Includes tips, safety warnings, and information on LifeStraw's social impact initiatives.</p>
	<p>LifeStraw Flex Filter: Long-Term Storage and Unclogging Instructions</p> <p>Comprehensive guide for LifeStraw Flex filter users on proper long-term storage procedures to prevent clogging and instructions for unclogging the filter using coconut milk.</p>
	<p>LifeStraw Peak Series Collapsible Squeeze Bottle Water Filter System User Manual</p> <p>User manual for the LifeStraw Peak Series Collapsible Squeeze Bottle Water Filter System, covering usage, maintenance, and safety precautions for filtering water on the go.</p>
	<p>LifeStraw Peak Series Solo Water Filter User Manual</p> <p>User manual for the LifeStraw Peak Series Solo Water Filter, providing instructions on usage, cleaning, long-term storage, and important safety information. Covers English, French, German, and Spanish.</p>



Comprehensive guide detailing long-term storage procedures and unclogging methods for the LifeStraw Go water filter, including steps for disinfection, salt solution, and coconut milk hydration.