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› FS-TFC Pocket Water Filter Hand Pump User Manual

FS-TFC SY-UF-02

FS-TFC Pocket Water Filter Hand Pump

Model: SY-UF-02 User Manual

INTRODUCTION

Thank you for choosing the FS-TFC Pocket Water Filter Hand Pump. This portable water purification system is designed to provide safe drinking water in outdoor and emergency situations. It is ideal for backpacking, hiking, camping, and survival scenarios, effectively filtering harmful substances from various water sources.

Wide Range of Application



Rescue



Disaster



Camping



Self Driving



Cycling



Survival



Fishing



Emergency



Hiking

Figure 1: Wide Range of Application for the FS-TFC Pocket Water Filter.

PRODUCT OVERVIEW

The FS-TFC Pocket Water Filter utilizes a multi-stage filtration process to ensure water purity. Key components include the hand pump unit, filter cartridge, pre-filter, silicone tubing, and a collapsible water pouch.



Figure 2: FS-TFC Pocket Water Filter Components.

Filtration Technology

This filter employs a triple filtration system:

1. **Stage 1: Pre-Sand Filter** - Filters out visible solid suspensions such as sediment and algae.
2. **Stage 2: Antibacterial Carbon Fiber Filtration** - Eliminates peculiar odor and color, and reduces chlorine and organic matter, improving water taste.
3. **Stage 3: 0.01 Micron Hollow Fiber UF Membrane**- The 0.01 micron ultra filter helps filter out 99.99% of harmful substances in water.

Triple Filtration Pocket Water Filter



Figure 3: Triple Filtration System.

0.01 Micron Filtration Accuracy



Figure 4: Filtration Accuracy Demonstration.

SETUP

Before first use, familiarize yourself with the components and ensure all parts are clean and undamaged.

1. **Unpack Components:** Remove the water filter, water pouch, silicone tubing, and pre-filter from the packaging.
2. **Attach Pre-filter:** Connect the silicone tubing to the inlet port of the pump unit. Attach the pre-filter stone to the other end of the silicone tubing.
3. **Prepare Handle:** The pump features a folding handle design for compact storage. To prepare for use, gently pull the handle upwards until it extends fully, then lift it to a 90-degree angle from the main body.

Folding handle design

Stainless steel tube + ergonomic design, easy to use. Folding design is easy to carry and reduce volume

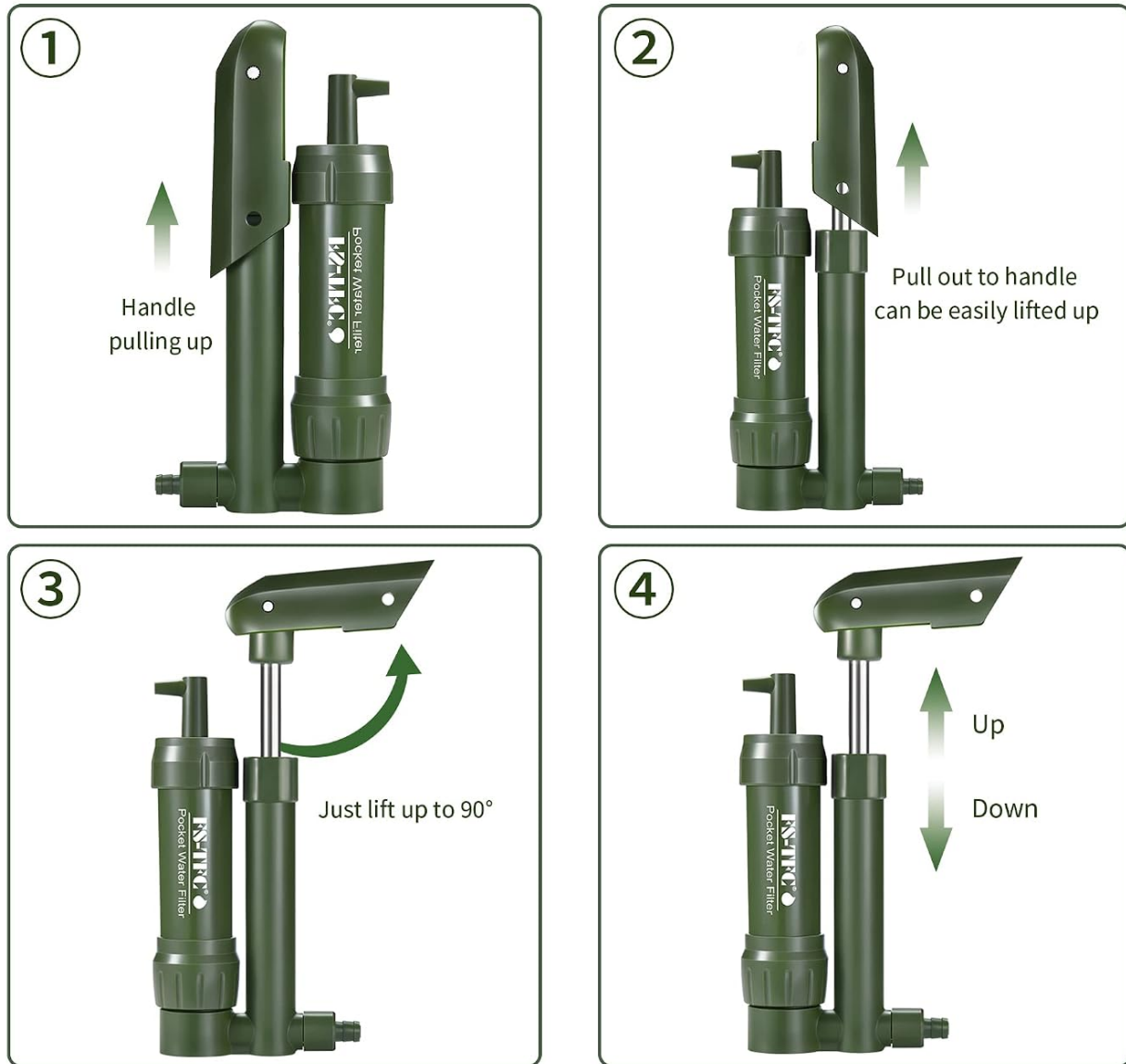


Figure 5: Folding Handle Operation.

OPERATING INSTRUCTIONS

The FS-TFC Pocket Water Filter offers versatile usage methods:

Method 1: Hand Pump Operation

1. Place the pre-filter end of the silicone tubing into the untreated water source (e.g., river, lake, puddle).
2. Position the outlet nozzle over a clean container or directly into your mouth.
3. Begin pumping the handle up and down steadily. Water will be drawn through the filter and dispensed from the outlet.

Method 2: Direct Straw Usage

1. Unscrew the UF water filter from the pump unit.

2. Remove the outlet nozzle from the UF filter.
3. You can now use the UF filter separately like a filter straw, directly sucking water from a source or a container.

Method 3: Squeeze with Pouch

1. Fill the provided collapsible water pouch with untreated water.
2. Screw the UF water filter (without the pump unit) onto the opening of the water pouch.
3. Gently squeeze the pouch to force water through the filter and into a clean container or directly into your mouth.



Figure 6: Multiple Usage Methods.

Important: Always use the pre-filter when drawing water from natural sources to prevent clogging the main filter.

MAINTENANCE

Proper maintenance ensures the longevity and effectiveness of your water filter.

Cleaning the Filter

- After each use, especially when filtering turbid water, backwash the filter. To do this, pump clean water through the filter in reverse direction (if applicable, or follow specific backwash instructions if provided with the product).
- Rinse the pre-filter and silicone tubing with clean water.
- For the UF filter, unscrew it and rinse the exterior under clean running water. Do not use soap or harsh chemicals.

Storage

- Ensure the filter is completely dry before storing to prevent mold or bacterial growth. You can air dry it or gently shake out excess water.
- Store the filter in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep all components together in the provided pouch or a clean container.

Caution: Do not freeze the filter once it has been used, as residual water inside can expand and damage the filter membrane.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Slow water flow or difficulty pumping.	Filter clogged with sediment or debris.	Backwash the filter thoroughly. Ensure the pre-filter is clean.
Water has an unusual taste or odor after filtering.	Carbon filter exhausted or filter needs rinsing.	Rinse the filter with clean water. If the issue persists, the filter may be nearing the end of its lifespan.
No water comes out.	Air lock, tubing kinked, or filter completely blocked.	Ensure tubing is not kinked. Submerge pre-filter fully. Backwash the filter.

SPECIFICATIONS

- Model:** SY-UF-02
- Brand:** FS-TFC
- Product Dimensions:** 7.6L x 3.3W x 15.5H Centimetres (approx. 3.0L x 1.3W x 6.1H inches)
- Material:** Acrylonitrile Butadiene Styrene (ABS)
- Filtration Capacity:** Up to 4000 liters (1056 gallons)
- Purification Method:** Activated Carbon, Ultra Filtration (0.01 Micron)
- Power Source:** Hand Press
- Included Components:** Water Filter, Water pouch, Silicone tubing

4,000L Filtration Capacity Pocket Size & Light Weight



Figure 7: Product Dimensions and Capacity.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question