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› [Geekpure Ultra Pure 4-Stage Under-Sink Direct Connect Water Filtration System - 0.01 Micron](#)

Geekpure Geekpure Ultra Pure

Geekpure Ultra Pure 4-Stage Under-Sink Direct Connect Water Filtration System

Model: Geekpure Ultra Pure

Brand: Geekpure

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Geekpure Ultra Pure 4-Stage Under-Sink Direct Connect Water Filtration System. This system is designed to provide clean, great-tasting drinking water by effectively removing various contaminants.

PRODUCT OVERVIEW AND FEATURES

The Geekpure Ultra Pure water filtration system utilizes advanced 4-stage ultrafiltration (UF) technology with a 0.01 micron rating to ensure high-quality drinking water. It is designed for direct connection under your kitchen sink.



Image: The Geekpure Ultra Pure 4-Stage Water Filtration System, including the main filter unit and a chrome faucet.

Key Features:

- **Advanced 4-Stage Ultrafiltration:** Features a 0.01 micron UF membrane for superior contaminant removal.
- **Comprehensive Contaminant Removal:** Effectively removes up to 99.99% of pollutants such as chlorine, particulates, rust, turbidity, bad taste and odor, lead, arsenic, mercury, heavy metals, and other harmful substances, while retaining beneficial minerals.
- **NSF/ANSI Compliant Components:** All filters, tubing, quick-connect fittings, and valves meet NSF/ANSI standards, ensuring safe and pure water.
- **Lead-Free Faucet:** Includes a deluxe lead-free kitchen sink faucet.
- **Easy Installation:** Designed for quick and straightforward DIY installation, typically within 15 minutes.
- **Tool-Free Filter Replacement:** Sanitary twist-and-lock filter cartridge design allows for fast and easy replacement without tools.
- **No Electricity, Tank, or Wastewater:** Operates solely on water pressure, making it efficient and compact.
- **High Flow Rate:** Provides a flow rate greater than 2.0 GPM (gallons per minute) at 40 psi.



Image: Detailed diagram illustrating the four stages of filtration and a list of common pollutants removed, including arsenic, lead, chlorine, and more.

Filtration Stages Explained:

1. **Calcium Sulfite Ball:** Removes residual chlorine and adjusts water pH to be weakly alkaline.
2. **Activated Carbon:** Effectively removes peculiar smells, residual chlorine, and absorbs organic matter in water.
3. **KDF (Kinetic Degradation Fluxion):** Used to treat heavy metal impurities.
4. **UF Membrane (Ultrafiltration):** Removes 99% of targeted pollutants including cadmium, mercury, lead, arsenic, heavy metals, and other harmful substances.

COMPONENTS INCLUDED

Your Geekpure Ultra Pure system comes with all necessary components for installation:

- Water filtration system unit
- Deluxe lead-free faucet
- Tubing (3 meters, 3/8" size)
- Feed water diverter valve
- Faucet connector
- Silicon grease
- Teflon tape
- Mounting bracket

Ultra Pure Water Filter

Complete list of parts included

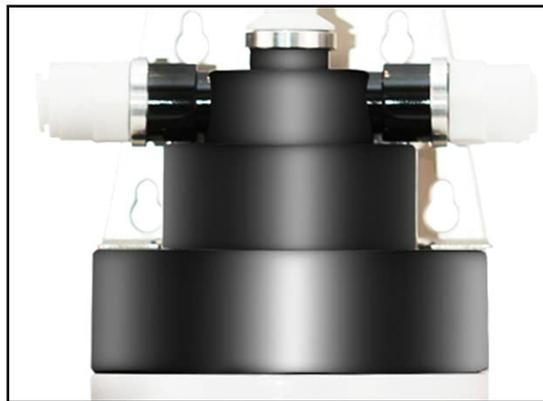


Image: A visual representation of all parts included in the package, such as the filter unit, faucet, feed water diverter valve, faucet connector, silicon grease, tubing, and Teflon tape.

SPECIFICATIONS

Specification	Value
Model Name	Geekpure Ultra Pure
Filtration Stages	4-Stage Ultrafiltration
Micron Rating	0.01 micron
Product Dimensions	3.5 inches (diameter) x 15.7 inches (height) / 10.2L x 2.5l x 40.6H cm
Operating Pressure	20 - 100 PSI (recommended)

Specification	Value
Operating Temperature	40-110°F / 5-45°C
pH Range	3.0 - 11.0
Maximum TDS	1000 ppm
Maximum Flow Rate	>2.0 GPM @ 40 psi
Filter Service Life	Up to 12 months or 2000 gallons (whichever comes first)
Installation Type	Under-sink
Power Source	Feed water pressure (no electricity required)
Compatibility	Designed for use with MUNICIPAL WATER ONLY. Not for private well water. Not a water softener system.



3/8" Connector

Ultra Pure Water Filter

Mixing Filter cartridges

Filter compatible with Everpure

Mini compact design, Big Flow

Easily replaceable cartridge

Product Dimension: 3.5*9.2 inch

Micron Rating: 0.01µm

Operating pressure: 35-125psi

Temperature: 40-110° F/5-45C

Service life: 12 Months

Image: Close-up view of the Geekpure Ultra Pure filter showing its dimensions (3.5" diameter, 9.2" height for the filter cartridge) and 3/8" connector type.

SETUP AND INSTALLATION

The Geekpure Ultra Pure system is designed for easy DIY installation. Please follow these steps carefully.

Before You Begin:

- Ensure you have basic tools such as a wrench, drill (for faucet hole if needed), and a utility knife.
- Locate a suitable space under your sink for the filter unit and faucet.
- Turn off the main cold water supply to your sink.
- Relieve pressure by opening the cold water faucet.

Installation Steps:

1. **Install the Faucet:**

- If your sink has an existing hole, use it. Otherwise, drill a 1/2" hole in a suitable location on your sink or countertop.
- Mount the deluxe faucet, ensuring a secure fit.

2. Connect the Feed Water Diverter Valve:

- Disconnect the cold water line from your existing faucet.
- Install the feed water diverter valve onto the cold water supply line. Use Teflon tape on threaded connections to prevent leaks.
- Reconnect your existing faucet's cold water line to the diverter valve.

3. Mount the Filter Unit:

- Attach the mounting bracket to the filter head.
- Secure the filter unit under the sink using screws, ensuring it is stable and accessible for filter changes.



Image: Close-up view of the quick twist filter design and the mounting bracket, showing the IN and OUT ports.

4. Connect the Tubing:

- Cut the provided 3/8" tubing to the required lengths.

- Connect one end of the tubing from the feed water diverter valve to the "IN" port of the filter unit.
- Connect another piece of tubing from the "OUT" port of the filter unit to the faucet connector.
- Push the tubing firmly into the quick-connect fittings until it bottoms out. Use silicon grease on the O-rings if needed for easier insertion and a better seal.

5. Insert the Filter Cartridge:

- Align the filter cartridge with the filter head.
- Insert and twist the cartridge clockwise until it locks securely into place.



Image: Visual guide demonstrating how to loosen and fasten the filter cartridge for replacement, highlighting the tool-free twist-and-lock mechanism.

6. Check for Leaks and Flush the System:

- Slowly turn on the cold water supply.
- Open the new filter faucet and let water run for at least 30 minutes to flush the new filter. This removes any carbon fines and prepares the filter for use.
- While flushing, carefully inspect all connections for any leaks. Tighten connections as necessary.

Important Note: It is normal for some black carbon fines to appear in the water during the initial flushing. The first

5-10 gallons of filtered water should be discarded and not consumed.



Image: The Geekpure water filtration system neatly installed under a kitchen sink, showing the filter unit and tubing connections.

OPERATING INSTRUCTIONS

Once installed and flushed, your Geekpure Ultra Pure system is ready for use.

- To dispense filtered water, simply open the dedicated filter faucet.
- The system provides a continuous flow of filtered water at a rate greater than 2.0 GPM (gallons per minute) at 40 psi.
- Use filtered water for drinking, cooking, washing fruits and vegetables, and cleaning dishes to avoid watermarks.

MAINTENANCE

Regular maintenance ensures optimal performance and water quality.

Filter Replacement:

- The filter cartridge should be replaced every **12 months or after 2000 gallons** of use, whichever comes first.
- To replace the filter:
 1. Turn off the cold water supply to the filter system using the feed water diverter valve.
 2. Open the filter faucet to relieve pressure.
 3. Twist the old filter cartridge counter-clockwise to loosen and remove it.
 4. Insert the new filter cartridge, aligning it with the filter head, and twist clockwise until it locks securely.
 5. Slowly turn on the cold water supply.
 6. Open the filter faucet and flush the new filter for at least 30 minutes before consuming water.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Water has a bad taste or odor after installation.	Insufficient flushing of the new filter.	Ensure the filter is flushed for the recommended 30 minutes (or 5-10 gallons) after installation or replacement. This removes manufacturing residues and carbon fines.
Water flow is slow.	<ul style="list-style-type: none">◦ Low incoming water pressure.◦ Clogged filter cartridge (due for replacement).◦ Kinked or improperly installed tubing.	<ul style="list-style-type: none">◦ Check your household water pressure.◦ Replace the filter cartridge if it's past its service life or if water quality has significantly degraded.◦ Inspect all tubing for kinks or obstructions. Ensure tubing is fully inserted into quick-connect fittings.
Water leaks from connections.	<ul style="list-style-type: none">◦ Loose connections.◦ Improperly applied Teflon tape.◦ Tubing not fully inserted into quick-connect fittings.◦ Damaged O-ring or fitting.	<ul style="list-style-type: none">◦ Turn off water supply. Tighten all threaded connections, ensuring Teflon tape is applied correctly.◦ Ensure all tubing is pushed firmly into quick-connect fittings until it bottoms out.◦ Inspect O-rings and fittings for damage; replace if necessary.
Water appears cloudy or milky initially.	Air trapped in the system or initial carbon fines.	This is normal. Continue flushing the system. The cloudiness should clear as trapped air is expelled and carbon fines are washed out.

<p>RO Filters Replacement and Maintenance Manual</p> <p>Geekpure</p>  <p>ULTRA LATERALI / CORTOLANNO WATER PURITY IN COLOR</p>	<p>Geekpure RO Filters Replacement and Maintenance Manual</p> <p>Comprehensive guide for replacing and maintaining Geekpure Reverse Osmosis water filters, including filter stages, schedules, installation, troubleshooting, and warranty information.</p>
<p>Whole House Water Filtration System Installation and Maintenance Manual</p> <p>Geekpure</p>  <p>Modelo: Sistema F-1 Stage Whole House Water Filtration System with 10.5 Gal of 5.3 Gal Big Blue Housing (only housing capacity 8.8Gal, include another 6.5Gal)</p> <p>IMPORTANTE: LEGGERE TUTTE LE ISTRUZIONI PRIMA DI INSTALLARE E UTILIZZARE QUESTO SISTEMA. PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLING AND USING THIS SYSTEM. PRIMA DI INIZIARE LEGGERE TUTTE LE ISTRUZIONI PRIMA DI INSTALLARE E UTILIZZARE QUESTO SISTEMA. BEFORE STARTING, PLEASE READ ALL INSTRUCTIONS FIRST. PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLING AND USING THIS SYSTEM. PRIMA DI INIZIARE LEGGERE TUTTE LE ISTRUZIONI PRIMA DI INSTALLARE E UTILIZZARE QUESTO SISTEMA. BEFORE STARTING, PLEASE READ ALL INSTRUCTIONS FIRST.</p>	<p>Geekpure Whole House Water Filtration System: Installation and Maintenance Manual</p> <p>Comprehensive guide for installing, operating, and maintaining Geekpure whole house water filtration systems. Covers specifications, components, troubleshooting, and filter replacement.</p>

Documents - Geekpure – Geekpure Ultra Pure



[\[pdf\]](#) Catalog

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Sistema di filtrazione dell'acqua pura Ultra Manuale d'uso Ultra Pure Installatore:
 Leggere tutte le istruzioni prima di installare e utilizzare questo sistema.
www.geekpure.cc Tabella del catalogo Come funziona il vostro sistema-----
 ---01 Prima di iniziare-----...

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