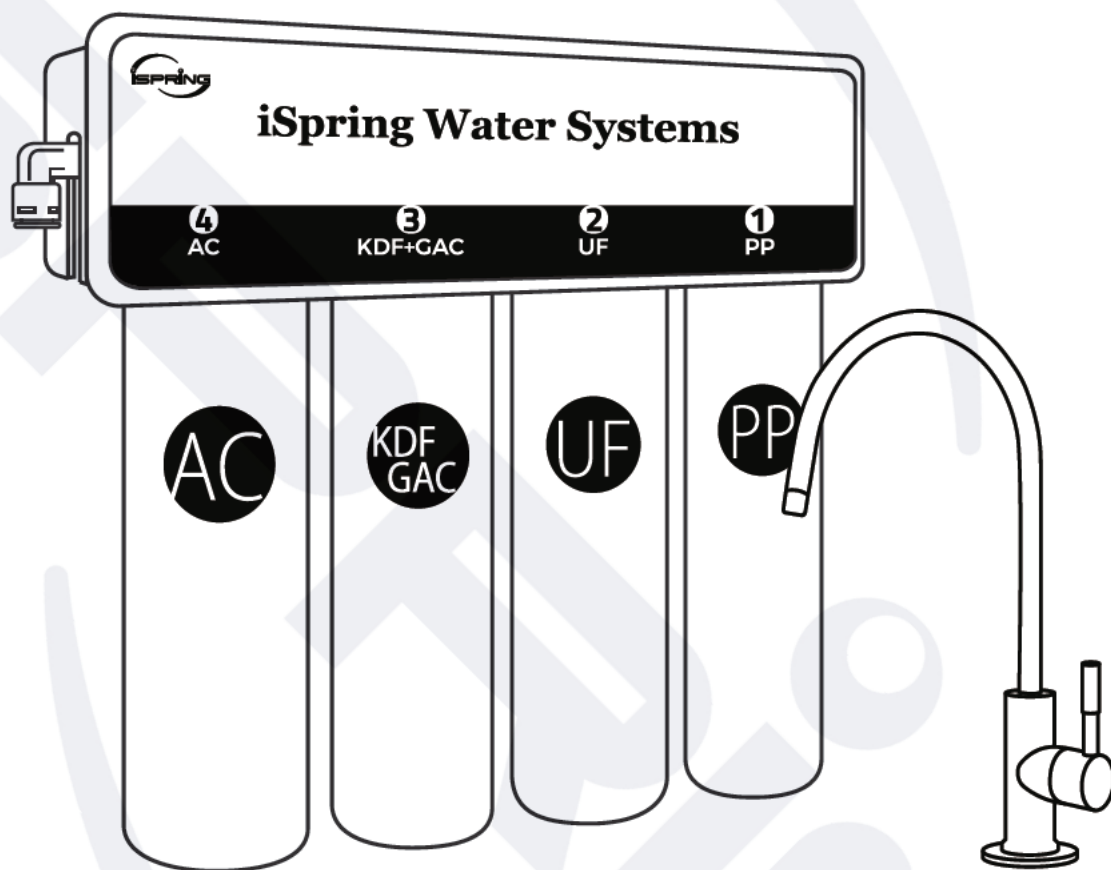


UNDER SINK

iSpring CU-A4 4-Stage Under Sink Ultrafiltration Water Purification System



Model: CU-A4

Installation Instructions & User Manual

Ver. 11/2022



iSpring Water Systems



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We stand behind our products

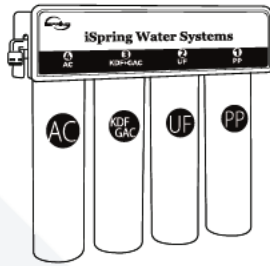
Since 2005, iSpring has been dedicated to providing high-quality drinking water to families across the United States. We provide various residential faucets and water filtration systems that purify your water in everyday life and deliver pure, healthy, and tasty water to you and your family.

At iSpring, we strive to develop products to the highest of standards and aim to make excellent drinking water accessible for all households. With affordable pricing, reliable quality, prompt delivery, and top-notch customer service, we hope to assist in bringing you great water for years to come.

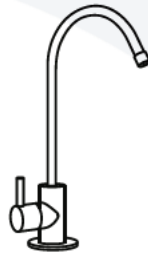
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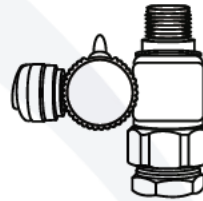
Packing List



Housing and
Bracket Assembly



Faucet w/
Installation Kit



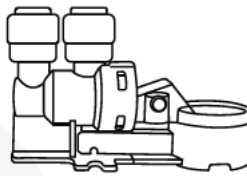
Feed Water Adapter
(Model: AFW43)



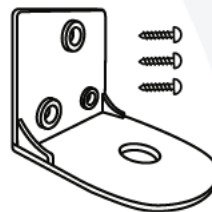
Plumber's Tape



Tubing and Spare
Parts



Leak Stop Valve
(Model: ALS1)



Faucet Bracket

Product Features

Parameter	Specification
Inlet Water Pressure	20 - 80 psi
Inlet Water Temperature	40 - 100 °F
Filtered Water Flow Rate	0.56 GPM @ 45 psi

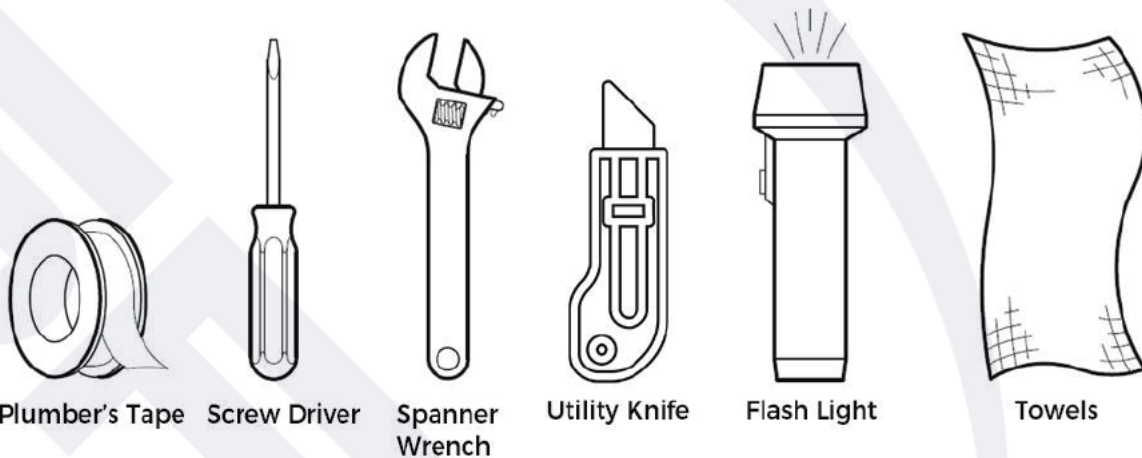
- If the inlet water pressure is less than 20 psi, a booster pump is needed. If the inlet water pressure is higher than 80 psi, a pressure regulator (Model: APR70) is required.
- Do not use this system with microbiologically unsafe water or which has been potentially inadequately disinfected.
- This system is designed to be used on a cold supply only and kept away from freezing environments.
- The installation must comply with applicable local plumbing codes and/or regulations.
- Choking hazard. Small parts are included in the package. Please keep the package out of the reach of small children at ALL times.
- This purification system DOES NOT reduce TDS concentration.

If you have any questions or concerns during the installation, please contact us at support@123filter.com or visit our help page at [123filter.com/support](https://www.123filter.com/support)

Prior to Installation

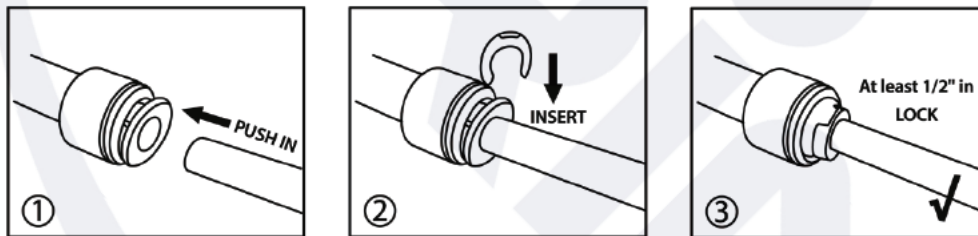
Before you start the installation

- Choose a suitable location for the system. Again, it must be placed on a flat surface and make sure this system is to be installed on INDOOR cold-water supply ONLY.
- Check the packing list to confirm all accessories are included in the package. Contact iSpring customer service if any components are missing.
- Required tools:

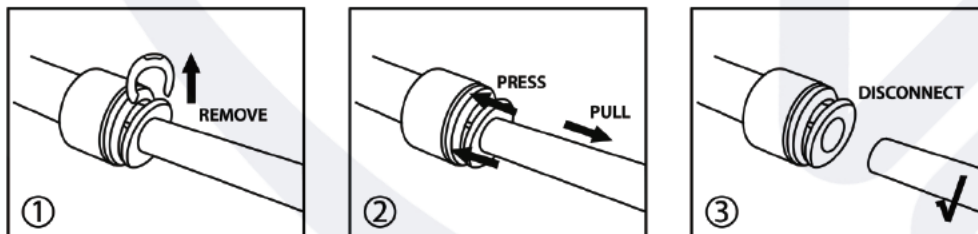


- Optional tools:
 - Variable speed drill with two bits: 1/4" (for drilling a hole on PVC drain pipe), 1/2" hollow diamond (for drilling a hole on the countertop for drinking faucet)
 - 5/8", 9/16" open-end wrench, or adjustable wrench, pliers
- Quick connect instruction

HOW TO CONNECT



HOW TO DISCONNECT



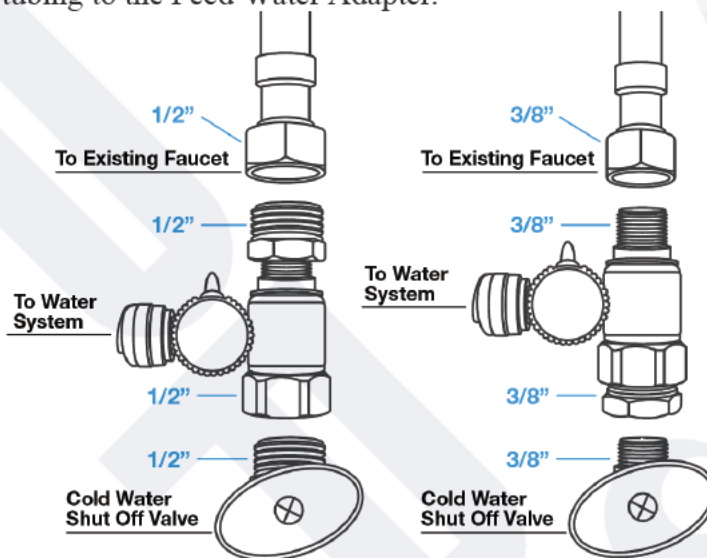
It is highly recommended that you watch the video "**How to Connect and Disconnect Quick Connect Fittings | DIY Installation**" on **YouTube**. Cut the tubing end squarely using utility knife or scissors. Insert the tubing into the quick connect fitting for at least 1/2". You will need to wiggle the tube and apply additional pressure to create a seal.

Installation

Step 1. Install Feed Water Adapter (AFW43)

It is highly recommended that you watch the video "**How to Install a Feed Water Adapter for Reverse Osmosis (RO) and Other Applications | iSpring AFW43**" on YouTube.

- A. Turn off the Cold Water Supply Valve (CWSV) under the sink and open the kitchen faucet to release pressure. Prepare a towel or bucket to catch any water drips. Disconnect the kitchen faucet connector pipe from the CWSV.
- B. Install the Feed Water Adapter onto the CWSV and tighten it using a wrench or pliers. Make sure the O-ring is seated inside the adaptor.
- C. Re-install the kitchen faucet connector pipe onto the male end of the Feed Water Adapter. Turn the handle of the Feed Water Adapter to the perpendicular OFF position. Turn on the CWSV slowly, and ensure you are getting a proper seal.
- D. Connect the 1/4" tubing to the Feed Water Adapter.



The included bushing can be threaded on either side of the Feed Water Adapter to fit the configuration of both 3/8" COMP and 1/2" NPT.

Step 2. Install Drinking Water Faucet

A. Drill a hole to install the faucet

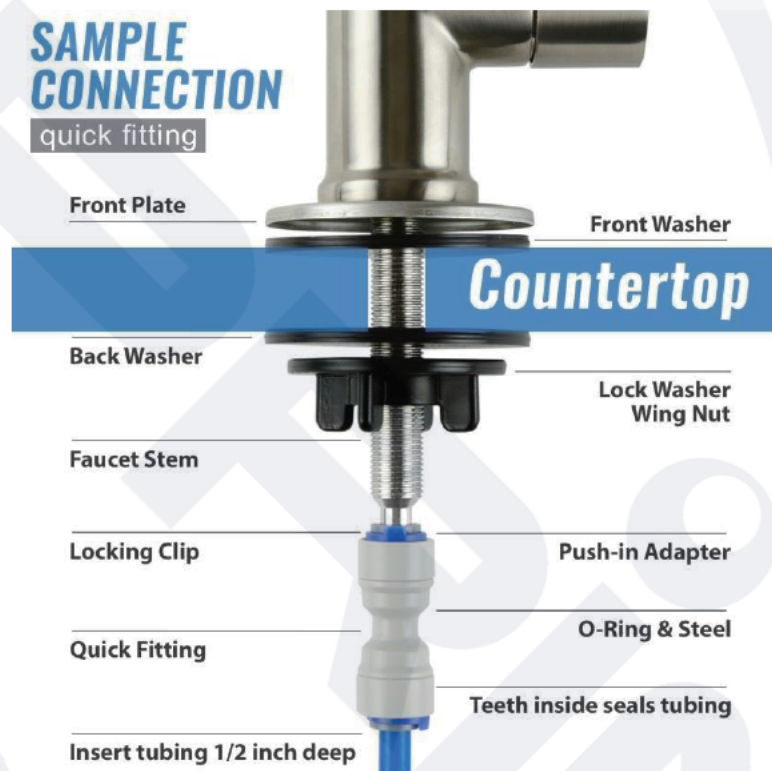
- a. If your kitchen sink does not have an existing 1/2" faucet hole, drill a hole under the guidance of *How to drill a Hole on Sink or Countertop* section on page 5. Wipe clean and dry the area.
- b. Slip the front plate on the faucet stem, followed by the front washer. Insert the faucet stem into the hole on the countertop. Under the sink, slip on the back washer, and tighten the nut with the lock washer wing nut.
- c. Slide the quick fitting up to the push-in adapter on the base so that it seats securely into the faucet stem, then lock it in place by sliding the blue clip under the collet of the quick fitting.
- d. Insert the tubing about 1/2" into the push-in fitting, and again, secure it with the clip.

B. Install a faucet bracket (included) instead of drilling a hole (Optional)

- a. Mount the bracket to the sidewall of the cabinet.
- b. Insert the faucet stem into the hole on the bracket. Slip on the back rubber washer.
- c. Tighten the nut with the plastic wing.
- d. Insert the tubing about 1/2" into the push-in fitting and secure it with the clip.

How to Drill a Hole in Sink or Counter-top

1. It is highly recommended that you watch the YouTube video "**How to Drill Faucet Holes.**"
2. Choose a 1/2" Diamond Core Bit for granite and a titanium drill bit for steel. Do NOT use a hammer drill on natural stone, glass, and ceramic.
3. An indent should be made with a punch on steel before drilling to help guide the bit.
4. Use caution when drilling on a Porcelain sink, as it could be easily chipped - set drill speed on slow. Press the bit downward firmly until it breaks through the slippery surface.
5. Use a coolant to disperse heat. Choose water for granite and oil for steel. Use the Water Suction Cup to hold coolant inside and prevent the drill bit from slipping.
6. Hold the drill firmly and vertically at the slowest speed to prevent the drill bit from slipping on the counter.
7. Once you break through the smooth surface, swirl the drill a little to evenly apply pressure in a circle. Be patient and deliberate. It can take 20 - 40 minutes to drill through 1".



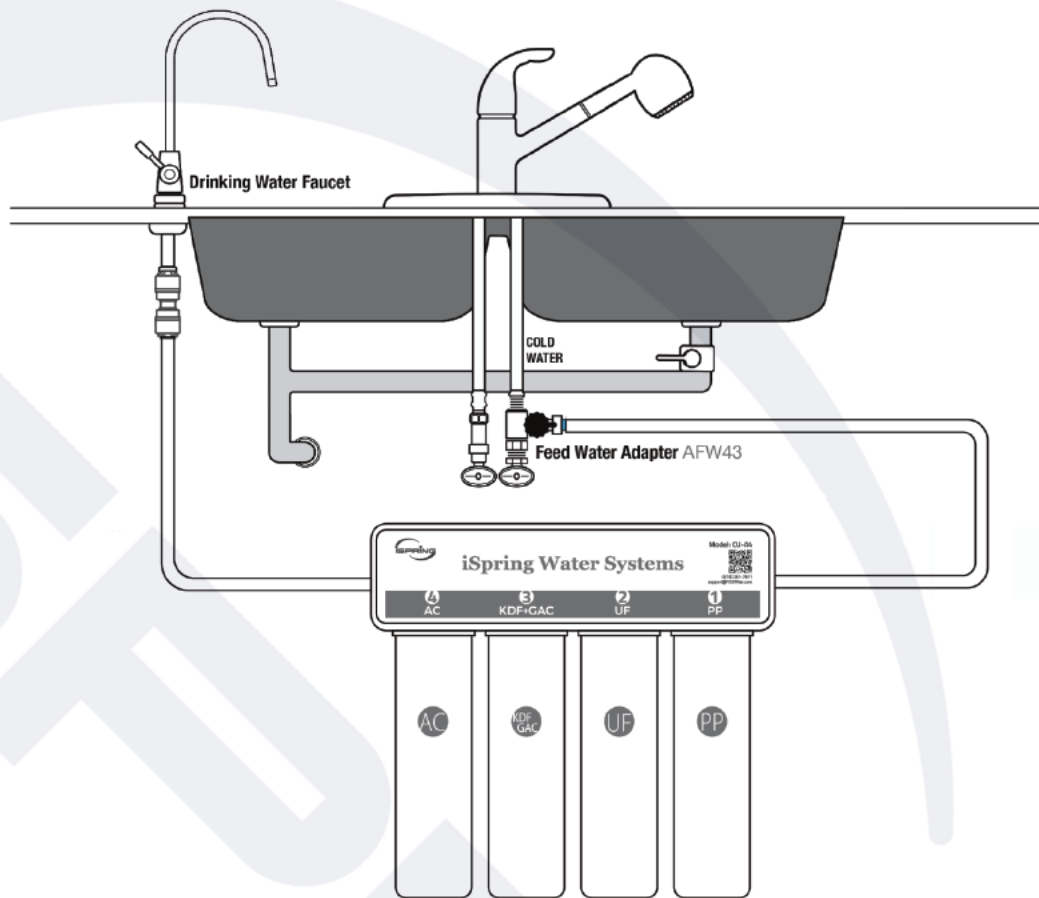
Step 3: Install the System

- A. Place the system on a flat surface.
- B. *(Optional) Match the stage labels and twist filter cartridges counterclockwise into the machine head in order.
- C. *(Optional) Use the included screws to hang the system on the wall.

Step 4. Tubing Connection

Install the tubings onto the inlet and outlet of the system. Follow the quick connect instruction to properly connect the system.

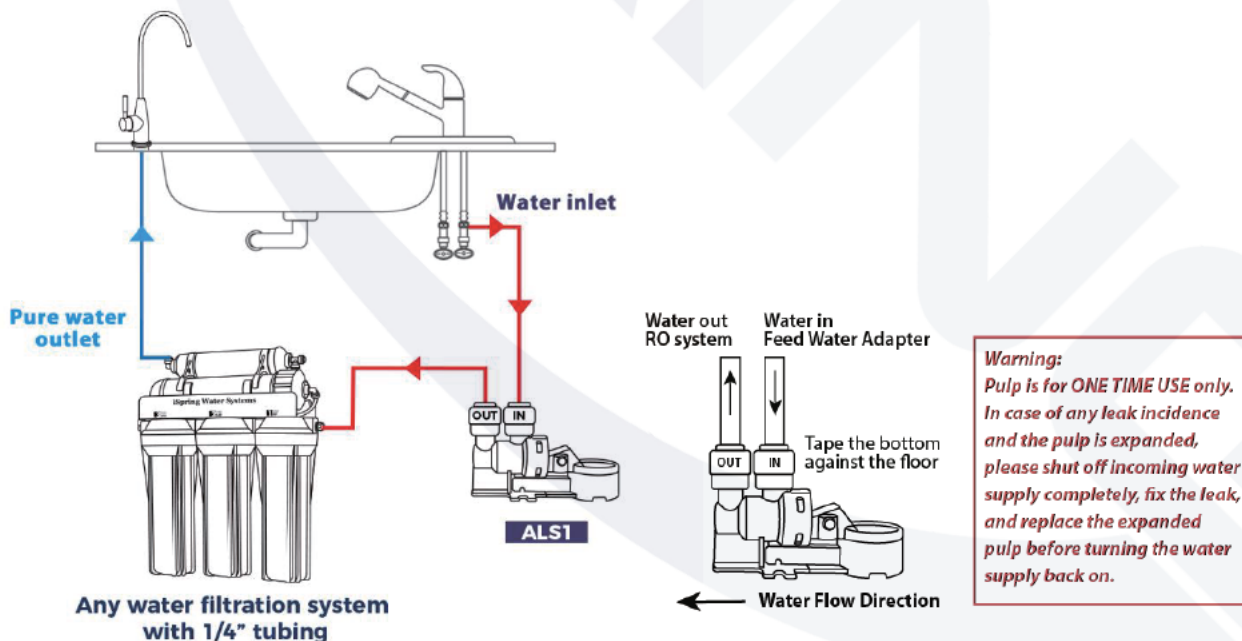
Note: Make sure that water flows in the correct direction from the 1st stage to the 4th stage.



Step 5. Leak Stop Valve (ALS1) Installation

The Leak Stop Valve is a reusable mechanical leakage protector. Whenever a water leakage is detected, it will shut down the feed water.

- Make sure the end of the tubing is cut square before connecting it to the fitting.
- Follow the water flow direction indicated on the Leak Stop Valve to connect it to the water inlet pipeline.
- Tape the bottom of the Leak Stop Valve against the floor.



Step 6. System Start-up

- A. Make sure no tubing is kinked. Place a towel under the system to catch any possible water leaks.
- B. Open the drinking water faucet. Slowly turn on the Feed Water Adapter (AFW43) and check for leaks. **The top 3 causes of leaks are 1) The tubing is not fully inserted into the quick-connect fitting. 2) The O-ring is not in the correct place or is kinked. 3) The Housing/Cap is not tightened properly or is misaligned with the threads.**
- C. Rinse the system for 5-15 minutes. It is normal to see residual carbon and fine air bubbles in the water when flushing the system for the first time.
- D. Check for leaks daily for the first two weeks after installation to ensure the system is functioning properly.

**Congratulations, you have successfully installed your
iSpring CU-A4 4-Stage Ultrafiltration Water Purification System!**

Optional Add-on

Ice Maker Connection Kit (Model# ICEK)

The iSpring ICEK can be purchased separately to feed water to your refrigerator for crystal clear ice cubes and great tasting water. It can be easily installed to connect the CU-A4 system to the ice maker or water dispenser of your fridge.

Tubing (Model# T14B or T14W)

1/4" food-grade tubing in a 50' roll, which is good to use for tubing replacement and extension as needed.

Top Mount Faucet Installation Kit (Model# AIG1)

A US patent tool-free product for countertop drinking water faucet installation. It works great for countertops with 1" - 1 1/2" (D) holes and also fits standard 7/16" drinking faucet stem. It is highly recommended that you watch the video "**How to install a drinking water faucet WITHOUT reaching under sink | iSpring AIG1 Installation Kit**" on YouTube.

Maintenance

All iSpring Water Filter Systems are designed with ease of use and low maintenance in mind. If the filter cartridges are changed on schedule as suggested, the system will work properly for years to come. See the chart below for the filter pack model numbers for your system. The filter packs can be found on 123filter.com, Amazon, or HomeDepot.com.

Filter Set Model	Content
F3-CUA4	(Stage 1)*1+(Stage 3)*1+(Stage 4)*1
F4-CUA4	(Stage 1)*1+(Stage 2)*1+((Stage 3)*1+(Stage 4)*1
F5-CUA4	(Stage 1)*2+(Stage 3)*1+(Stage 4)*2
F7-CUA4	(Stage 1)*2+(Stage 2)*1+((Stage 3)*2+(Stage 4)*2

When to change the filter?

The filters are highly suggested to be replaced when they reached their recommended replacement cycle. However, the actual lifespan of filters may vary depending on the source water quality and daily usage. If you notice a great decrease in the tap water flow, or detect a unpleasant smell, taste, and odor, it would be a good time to get your filters changed.

Stage No.	Filter Method	Filter Lifespan
1	PP Sediment, 5 micron	6-12 months
2	Ultrafiltration Semi-permeable Membrane	12 months
3	KDF + Activated Carbon	6-12 months
4	Post Activated Carbon	6-12 months

How to change the filters?

- Turn off the inlet cold water valve. Open the drinking faucet to release pressure.
- With a towel or bucket underneath, twist the used filter cartridge clockwise to take it off.
- Twist the new filter cartridge counterclockwise into the machine head.
- Check the tubing connection. Rinse the system for 5-15 minutes. The filter replacement is now finished.

O-rings: Replace every 3 years or sooner if leak happens at O-rings.

What should I do with the system when going out of town?

When you are leaving for an extended time, you will want to shut off the water supply to the system and empty the water inside the system. To do this, close the knob on the feed water adapter, and open the drinking water faucet until it stops running. This will signify that the system is empty of water. The filters should be replaced if the system is not used for over a week as they will be sitting in stagnant water.

Troubleshooting

Symptom	Reason	Resolution
No water from the faucet	<ol style="list-style-type: none">No water or water pressure < 20 psi.Incorrect tubing connection.Drinking faucet is closed.	<ol style="list-style-type: none">Check water source. Use a booster pump if needed.Check the tubing connection.Open the faucet.
Slow water flow	<ol style="list-style-type: none">Water pressure lower than 20 psi.Filters are due for replacement.1st stage is clogged by sediments.Water supply is not fully opened.	<ol style="list-style-type: none">Use a booster pump if needed.Replace the filters if needed.An additional pre-filter is needed.Open the water supply to the system.
Cloudy water after installation	There are tiny air bubbles in the treated water, causing water to appear cloudy.	The bubbles are harmless and will disappear as the system clears itself.
Leaking from the system	<ol style="list-style-type: none">Tubing is not fully push into the quick fittingThe O-ring on the fitting is not creating a seal.	<ol style="list-style-type: none">Make sure the tubing is pushed in a full 1/2" into the fitting.Replace the O-ring.

iSpring Standard Limited Warranty (End-Users Only)

In order to be eligible for this warranty, the end-user must register at www.123filter.com.

For all water filtration systems, and upon registration by the end-user, iSpring Water Systems, LLC (iSpring) warrants for a one year from the date of purchase that the product is free of defects in materials and workmanship and that it will function for the duration of the warranty according to its specifications (the "Limited Warranty"). EXCEPT FOR THIS LIMITED WARRANTY, ISPRING EXPRESSLY DISCLAIMS ANY AND ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTIES OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. iSpring has no liability for any defect or deterioration which results from the improper installation, service, repair or use of the product. End-user's sole and exclusive remedy for any breach of the Limited Warranty shall be repair or replacement, at iSpring's option and expense. This warranty is only provided to end-users and only applies to products purchased directly from an authorized iSpring dealer or reseller.

However, we do not have the order information from websites other than 123Filter.com (Amazon, Home Depot, etc.), so please be sure to fill in that information upon registration of your system. If you have any questions or concerns about your product, please do not hesitate to call or email us, or put it in the notes/comments upon your warranty registration. Your satisfaction is our business!

If you are happy with our products and service, please show your support by writing a product review on Amazon, even just a single line. It takes you just a minute but means a lot to us. Thank you!

Warranty Registration Form

Name _____

Order# _____

Email _____

Phone _____

Address _____

City _____

State _____

Zip Code _____

Model #/ Serial Number

Purchased at (e.g. Amazon, Home Depot)

iSpring Water Systems, LLC
2480 Industrial Park Blvd, Cumming, GA 30041
678-261-7611

Plumber's information (Optional)

To best serve our customers, we'd like to recommend good plumbers throughout the USA. If you are happy with your installer, please provide their information so that we can pass it on as a courtesy.

Thank you!

Name of the plumbing company used to install your system:

Phone #: (_____) - _____ or email : _____
of the technician.



Like our products?
Please show your support by writing a product review on the marketplace where you make your purchase. Even just a quick statement means a lot to us.

Thank you!

iSpringFilter.com



For questions, comments, or technical support, please contact us at:

✉ support@123filter.com

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