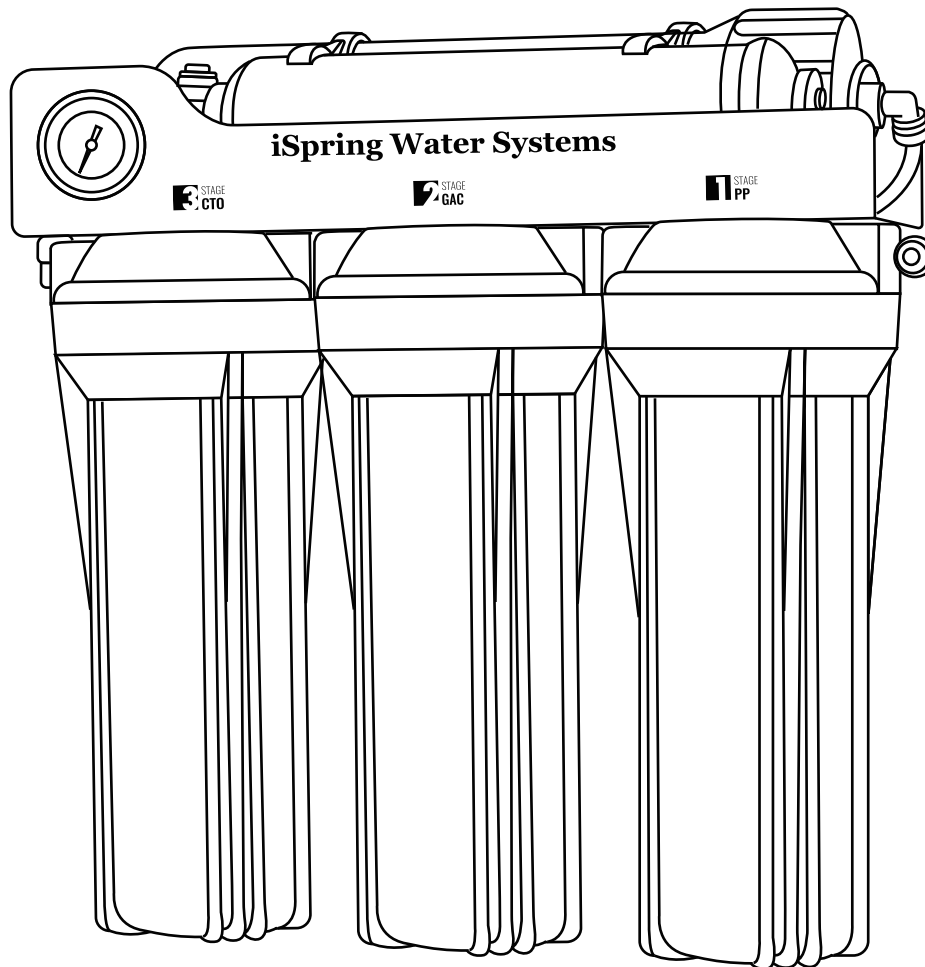


RO / DI

iSpring RCC Series Reverse Osmosis Water Purification System with Deionized Filter



Model: RCC1D / RCC1DP

Installation Instructions & User Manual

Ver. 08/2023



iSpring Water Systems

Any questions?
Scan the QR code
for support.



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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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User Information

The user must adhere to the installation specifications described in this Product Installation and Operation Manual (hereinafter referred to as the "instruction manual"). iSpring is not responsible for damage, loss, or injury resulting from neglect, improper maintenance, or unauthorized modification of products.

- This product is designed for residential use only. Contact iSpring customer service to inquire about usage in non-residential settings.
- The operating temperature range is 40°F - 100°F (4 - 37 °C). This RO system is NOT designed for HOT water. If the water temperature or ambient temperature falls below 40°F, immediately shut off the inline water supply and drain the remaining water from the system. Within the range, the warmer the water is, the faster is the RO process.
- In case of malfunction due to damage or failure of the power supply system, unplug the system immediately and contact iSpring customer service for guidance.
- If leaking occurs, shut off the inline water supply. Then unplug the system and contact iSpring customer service.
- Use only authorized iSpring parts and filters. Using unauthorized or aftermarket components will void the product warranty.
- It is recommended that users check external fittings and connections regularly to ensure all components are secure and operating properly.
- Unauthorized modification and disassembly are strictly prohibited and will void the warranty.
- Never touch the power cord connector when your hands are wet, as this may result in electric shock.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.
- The new hose sets supplied with the appliance are to be used, and the old hose sets should not be reused.

Product Features

1) Filtration Performance

Stage	Filter	Purpose
1 st	Polypropylene (PP)	Removes sediments, dust, dirt, sand, silt, rust, and particles.
2 nd	Granular Activated Carbon (GAC)	Removes chlorine, taste, odors, cloudiness, and colors.
3 rd	Carbon Block (CTO)	Further enhances the sense and taste of the water.
4 th	Reverse Osmosis (RO) Membrane	Removes up to 99% of contaminants, such as lead, chlorine, fluoride, arsenic, hormones, asbestos, calcium, sodium, iron, etc.
5 th	Deionize (DI)	Produces filtered water with zero or near zero TDS.

2) Water Treatment Process

Municipal Tap Water → PP Sediment Filter → GAC Filter → CTO Filter → RO Membrane → Deionize Filter → Purified water

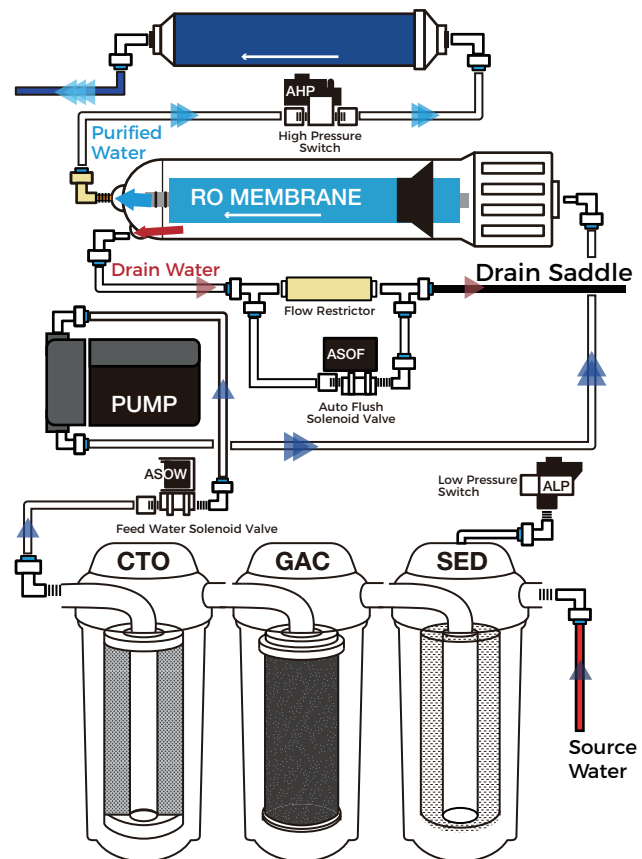
3) Operating Conditions

Parameter	Specification
Maximum Inlet Water Pressure	70 psi
Minimum Inlet Water Pressure	Model#RCC1D: 45 psi Model#RCC1DP: 30 psi
Incoming Water Temperature	40 - 100 °F
Maximum TDS	750 ppm

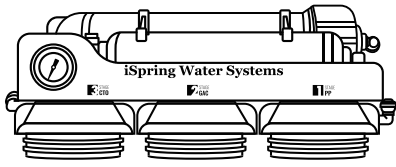
- Maximum water pressure: 70 psi, or a pressure regulator (part# APR70) is required if there is high water pressure or water hammer.
- Minimum water pressure: 30 psi for model#RCC1DP, 45 psi for model#RCC1D, or an extra booster pump is needed to improve RO efficiency
- Install this RO system where it is protected from hot/cold weather and direct sunlight. Avoid hitting, dropping, or dragging as they may cause cracks and leaks.

Understanding the Booster Pump and RO Process

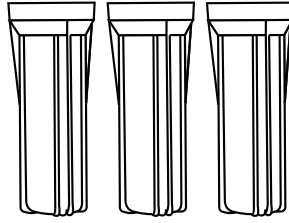
1. Source water enters the system and passes through the stage 1, 2, and 3 pre-filters. Located between the pre-filters is the **Low-pressure Switch**. This switch turns on when the incoming water pressure is 6 psi or greater.
2. The **High-pressure Switch** turns on when the pressure in pure water line is below 20 psi, and turns off at 45 psi.
3. When the Low-pressure Switch and High-pressure Switch are both on, the **Feed Water Solenoid Valve** opens, allowing water to the **Booster Pump**.
4. The source water passes through the Booster Pump, bringing it to approximately 100 psi entering the membrane housing.
5. Coming out of the RO membrane is a pure water port and wastewater port. The RO water is forced through the .0001 micron-sized holes of the RO membrane and exits through the one-way **Check Valve** on the membrane's pure water exit port. The water rejected by the RO membrane exits through the wastewater exit port. On the drain line before the wastewater is disposed of is the **Flow Restrictor**, limiting the amount of drain water allowed out to keep pressure in the system.



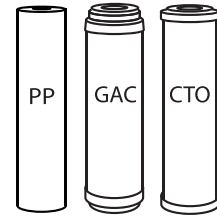
Component Identification



*RO Machine Head



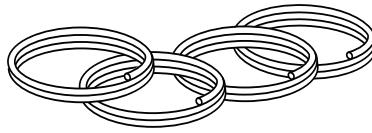
3 Pre-filter Housings



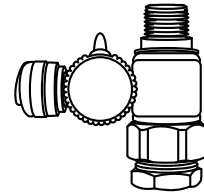
3 Pre-filter Cartridges



RO Membrane
(Model: MC150)



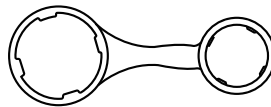
4-color Tubing
Set



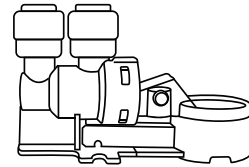
Feed Water Adapter
(Model: AFW43)



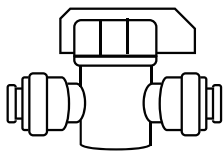
Drain Saddle 1/4"
(Model: ADS1K)



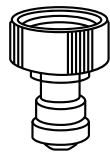
Housing Wrench
(Model: AWR2)



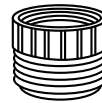
Leak Stop Valve
(Model: ALS1)



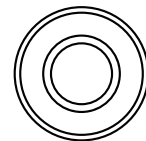
1/4" Quick Fitting Ball Valve
(Model: ABV1K)



3/4" GHT to
1/4 Quick Fitting
(Model: 34GH14K)



15/16" Female
Tread to 3/4" GHT
(Model: 156F34GH)



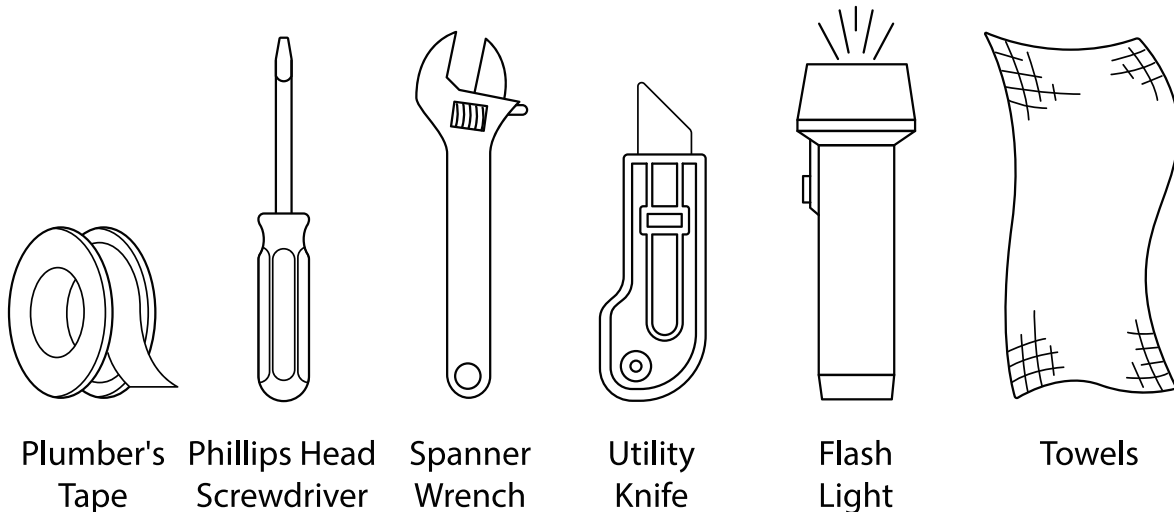
Plumber's
Tape

*Actual product varies depending on the Model#. Model#RCC1DP comes with a booster pump that is not pictured.

Installation

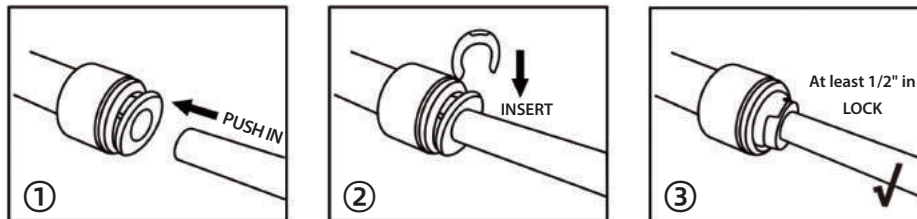
Before you start the installation

- It is highly recommended that you watch the video "**iSpring RCC Series RO System with Deionized Filter DIY Installation | Step by Step**" on YouTube.
- 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 that all accessories are included in the package. Contact iSpring customer service if any components are missing.
- Required tools:

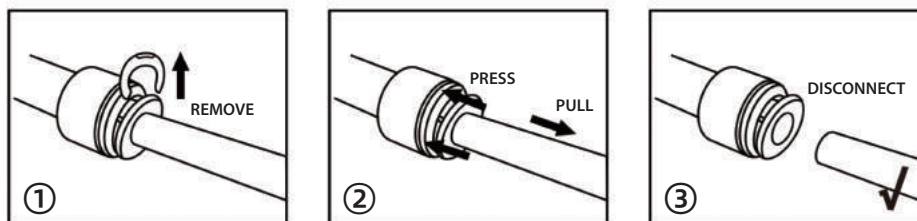


- Recommended tools:
 - Variable speed drill with two bits: 1/4" (for drilling a hole on PVC drain pipe)
 - 5/8", 9/16" open-end wrench, or adjustable wrench, pliers
- Quick connect instruction:

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 a 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.

Step 1: Water Inlet – Three Options

Water Inlet Option 1 –

Connect from Cold Water Valve Under Sink w/ Feed Water Adapter (AFW43)

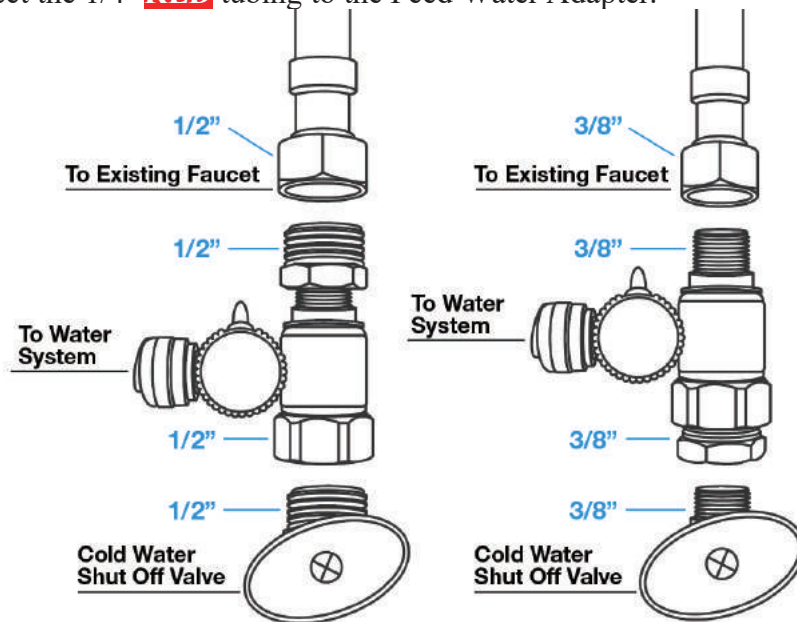
It is highly recommended that you watch the video "How to Install a Feed Water Adapter for Reverse Osmosis (RO) and Other Applications | iSpring AFW43" on YouTube.

Step 1. a. Turn off the Cold Water Supply Valve (CWSV) under the sink and open the kitchen faucet to release pressure. Get a towel or bucket to catch any water drips. Disconnect the kitchen faucet connector pipe from the CWSV.

Step 1. 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. Plumber's tape may be used to seal the connection.

Step 1. 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 get a proper seal.

Step 1. d. Connect the 1/4" **RED** 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.

Water Inlet Option 2 –

Connect from Kitchen/Bathroom Faucet w/ 156F34GH + 34GH14K Connectors

Step 1. a. Remove the aerator from the faucet. Your hands should be enough, but pliers can be used. Save the aerator, which may be needed if the system is removed.

Step 1. b. Screw the 156F34GH adaptor onto the 34GH14K connector, then screw the whole connector onto the faucet. Usually, the connectors can be hand tightened; if necessary, use a plier. Plumber's tape may be used to seal the connection.

Step 1. c. Connect the 1/4" **RED** tubing to the 34GH14K connector.

Water Inlet Option 3 –

Connect from Garden Hose Bibb w/ 34GH14K Connector

Step 1. a. Twist the 34GH14K connector onto the garden hose bibb by hand, then use a plier to tighten it as needed. Plumber's tape may be used to seal the connection.

Step 1. b. Connect the 1/4" **RED** tubing to the 34GH14K connector.

Step 2: Install Drain Saddle (ADS1K)



It is highly recommended that you watch the video "**How to Install iSpring Drain Saddle (ADS1K) for Reverse Osmosis (RO) System | DIY Installation**" on YouTube.

Step 2. a. Choose a proper spot anywhere before the P-trap on the drain pipe to install the drain saddle and tubing. Remember that the drain saddle should NOT be installed after the P-trap to prevent potential microorganism growth.

Step 2. b. Drill a 1/4" hole in the drain pipe, and paste the black sticky pad around the hole.

Step 2. c. Cut the **BLACK** tubing end to make a 45° angle. Insert the tubing into the 1/4" hole in the drain pipe, install the back plate, and tighten the two screws with hex nuts while the tubing remains in the hole.

Step 2. d. Insert Lock Clip. Pull the tubing lightly to make sure it is secure.

Step 3: Install the Vertical Filters: Stages 1, 2, and 3

Step 3. a. Make sure that the O-ring is seated inside the groove at the top of the filter housing. Food-grade silicone jelly may help the O-ring stay in place and seal better.

Step 3. b. Filter cartridges are preserved in shrink wrap. Note the direction sign on the sticker before removing the wrap.

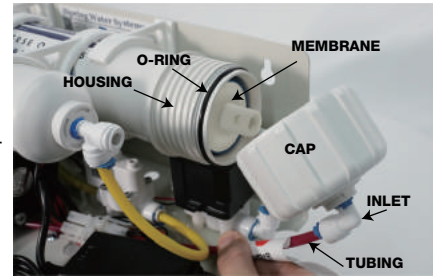
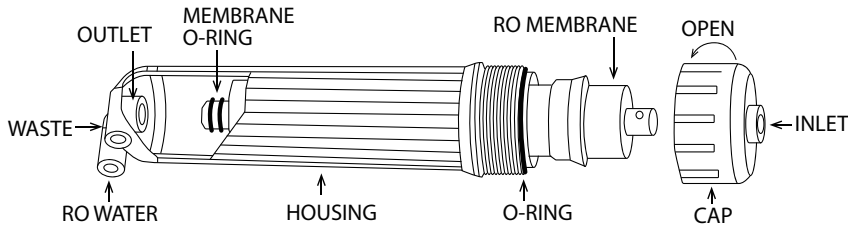
Step 3. c. When placing the filter cartridge into its housing, make sure it is centered, and the knob is protruding from the bottom of the housing fits in the central hole of the filter.

Step 3. d. Screw the housing, with filters attached, onto the housing caps (caps are pre-assembled on the machine head). The cap also has a center knob that should be inserted into the center hole of the filter cartridge. Twist the housing on in a counter-clockwise direction by hand, and then use a housing wrench to tighten it up for about 1/4 – 1/2 turn. **Do not overtighten. This can cause leaks and make it difficult to unscrew the housing when replacing filters.**

Note the second stage GAC is the only filter that must go in a certain direction. Make sure that the end with the rubber washer faces up, attaching to the housing cap.



Step 4: Installing the Reverse Osmosis Membrane



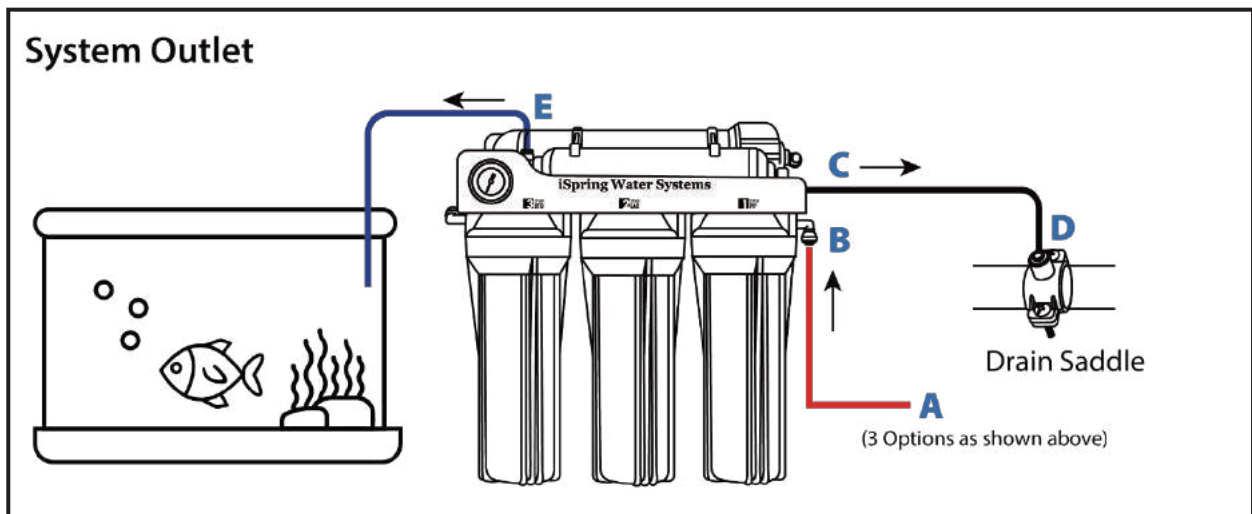
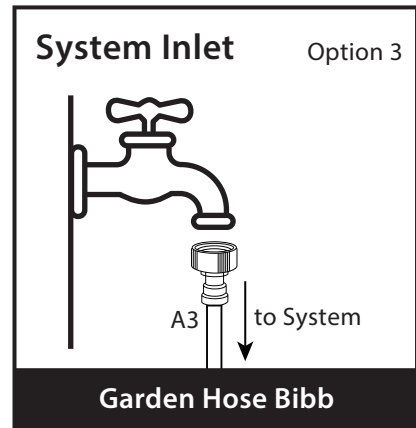
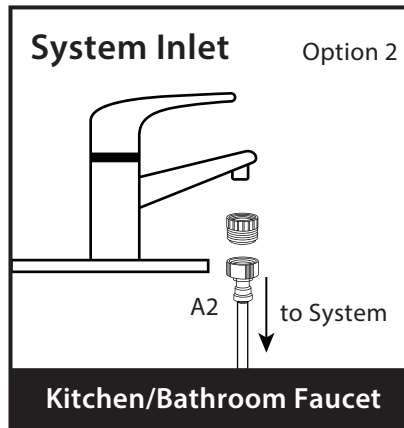
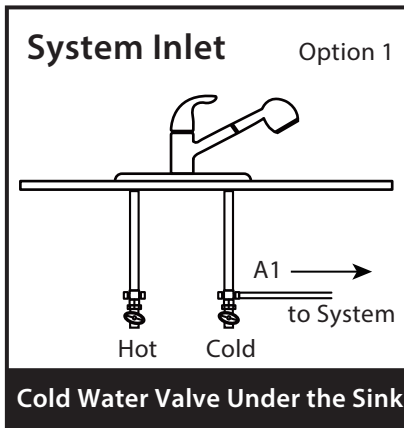
Step 4. a. Disconnect the tubing from the quick-fitting connection on the membrane cap.

Step 4. b. Open the membrane housing cap. A thick rubber band can be slipped on the housing body for better grip.

Step 4. c. Find the **inner end with 2 O-rings**, cut open the end of the sealed bag, use it to hold the RO membrane to avoid contamination, and firmly insert the membrane into the housing until the outer end without the O-ring is completely inside the housing. See Figure above.

Step 4. d. Before twisting the housing cap back on, check that the **O-ring is evenly snagged on the membrane housing**. Hang tight and tighten up for about 1/4 – 1/2 turns using a small plastic housing wrench, but do not over tighten. **DO NOT** reconnect the tubing to the inlet on the cap at this point (will do it in system start-up).

Step 5: Tubing Hook Up





RCC1D Top View



RCC1DP Top View

Note: The sequence of connection for different colors can be adjusted.

RED tubing: connect source water (**Point A**) to the 1st Stage water inlet elbow fitting (**Point B**)

BLACK tubing: connect wastewater from the Flow Restrictor (**Point C**) to the Drain Saddle/drain pipe (**Point D**)

BLUE tubing: pure water outlet connecting from the 5th Stage DI Filter (**Point E**)

You may neatly organize the tubing, but make sure to leave enough length so the filter system can be moved freely in and out of the cabinet when replacing filters.

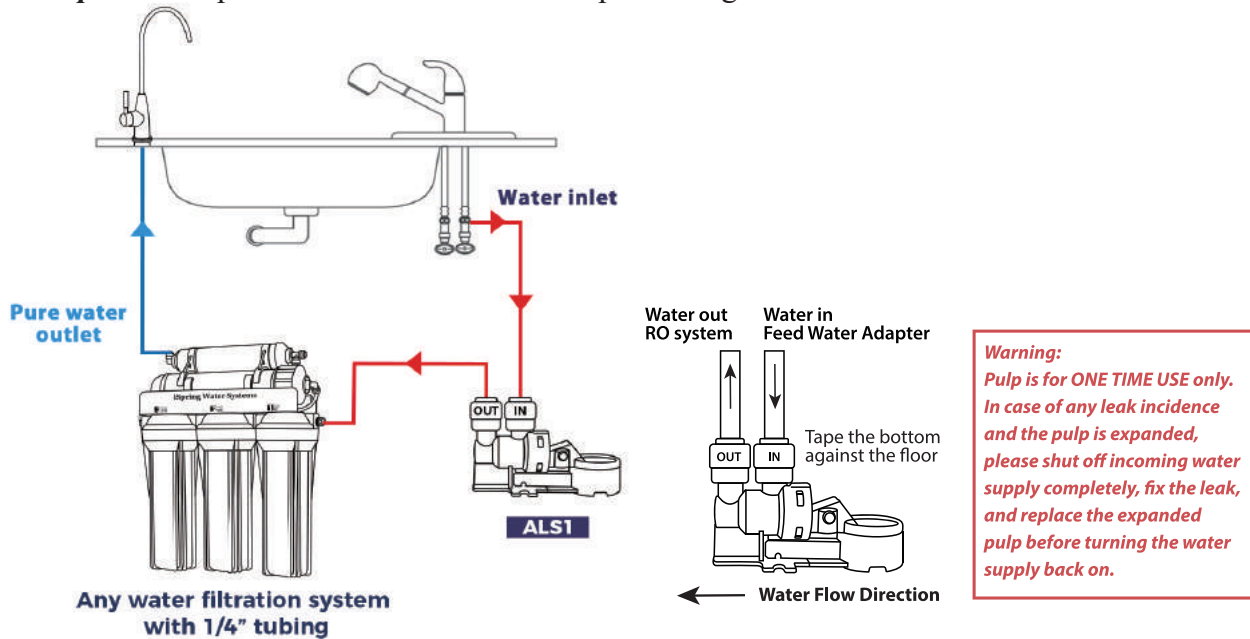
Step 6: Leak Stop Valve (ALS1) Installation

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

Step 6. a. Make sure the end of the tubing is cut square before connecting it to the fitting.

Step 6. b. Follow the water flow direction indicated on the Leak Stop Valve to connect it to the water inlet pipeline.

Step 6. c. Tape the bottom of the Leak Stop Valve against the floor.



Step 7: Mounting the System (Optional)

- Mounting the system is NOT required. The system does NOT need to be mounted to work correctly.
- Please note if the system is to be mounted, it is recommended to use two 10 x 1-1/4 Phillips Flat Wood Screws (not included). This will make replacing filter cartridges easier.



Note: If you plan on mounting/hanging the system, it is highly recommended to include supports under each of the bottom three housings. Supports under the housings will take the water weight off the housing threads and ensure the thread strength does not decay over the years.

Step 8: System Start-up

Note for model#RCC1DP: You may now plug in the booster pump to an outlet. The pump will not turn on until the water is flowing.

Step 8. a. Make sure no tubings are kinked. Place a towel under the system to catch any possible water leaks.

Step 8. b. Disconnect the RO membrane housing cap inlet tubing. Turn on the water inlet, and flush the first three stages into a bucket until the water turns clear. The water may appear black at first due to loose carbon from new carbon filters.

Step 8. c. Once the water is clear, shut off the water inlet and reconnect the tubing to the RO membrane housing cap. **You will want to flush the first three stages like this whenever they are changed.**

Step 8. d. Open the pure water outlet. Slowly open the water inlet and **check for any 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.**

Step 8. e. Within 5 minutes, the booster pump on model#RCC1DP will kick on, and the RO water will start slowly trickling from the pure water outlet. Let the water trickle for at least 15 minutes to flush out the entire system. It will eventually turn clear apart from many tiny air bubbles leaving the system.

Step 8. f. Shut off the system.

Step 8. g. The TDS (total dissolved solids) of the water should be tested periodically to verify that the system is performing properly. iSpring RO systems have exceeded the minimum requirements for NSF/ANSI standard 58. They should be giving an average TDS reduction rate of 90%+, so if your tap water is 100 ppm, you should be getting 10 ppm or less from the RO water (200/20>, 400/40>, etc This reverse osmosis system contains a replaceable treatment component critical for the effective reduction of total dissolved solids. That product water should be tested periodically. TDS is measured with a TDS meter - it is an inexpensive, easy-to-use device that can be found on Amazon.com or 123filter.com by searching "iSpring TDS."

Step 8. h. Check for leaks daily for the first two weeks after installation to ensure the system is functioning properly. Install the Flood Alarm (optional, model: WD01) to provide additional peace of mind and protection.

Note: Do not use microbiologically unsafe water or unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

System Maintenance

All iSpring RO 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.

<u>1-Year Filter Pack</u>	<u>2-Year Filter Pack</u>	<u>3-Year Filter Pack</u>
F7D	F15-150	F22-150



***Please note, the general filter cartridge replacement schedule is for reference only. Not all filters included in the same filter pack, Carefully choose the filter pack that suits your RO system.**

***Filter replacement schedule may vary depending on the quality of your source water.**

When to change the filter?

The filters are highly suggested to be replaced when they reach 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 an unpleasant smell, taste, and odor, it would be a good time to get your filters changed.

How to change the filters?

Carefully follow the instructions that come with the filter package.

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

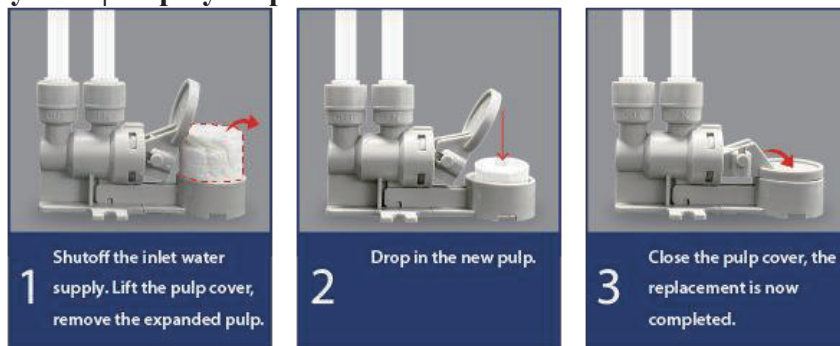
The package comes with spare O-rings for the pre-filter housing and the membrane housing. Please save them with this manual.

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

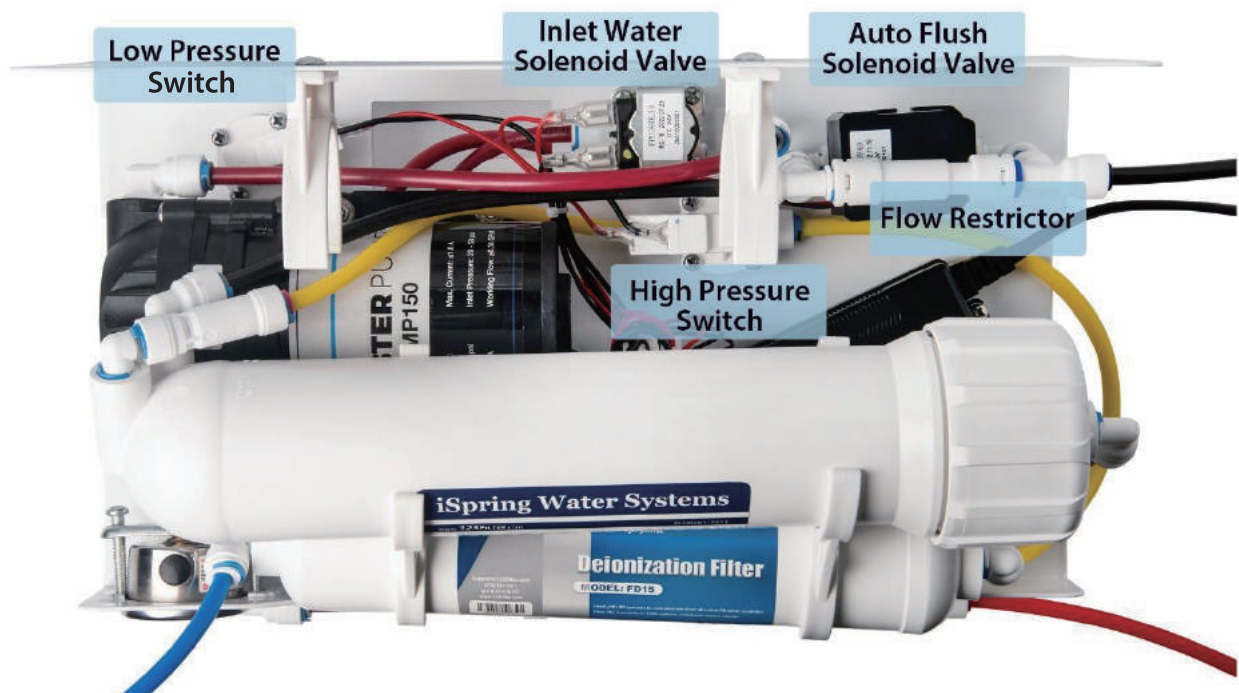
When you leave for an extended time, you will want to shut off the water supply to the system. To do this, shut off the water inlet supply, and open the pure water outlet until it stops running. The filters should be replaced if the system is not used for over a week, as they will be sitting in stagnant water.

Leak Stop Valve Pads (ALS1P3) Replacement

It is highly recommended that you watch the video "Absorb Pad Replacement of iSpring Leak Stop Valve | Easy DIY | Step by Step" on YouTube.



Troubleshooting Guide



Model#RCC1DP

Trouble	Possible Issue	Possible Solution
No output water from the pure water outlet	<ul style="list-style-type: none"> a. Water supply is turned off. b. Incorrect installation. c. Crimped tubing impedes the water flow. d. The pump is not running, therefore not allowing water through. 	<ul style="list-style-type: none"> a. Turn on the water supply. b. Verify all tubing connections. c. Check and uncrimp all tubings. d. Make sure the pump is plugged into a live outlet that gets continuous power.
Leakage in connections	<ul style="list-style-type: none"> a. Tubing is not inserted properly into the port. b. The O-ring inside the fitting is not creating a seal. c. Not applied enough Plumber's tape to the threads. d. The housing/cap is not tightened properly or misaligned with the threads. 	<ul style="list-style-type: none"> a. Reinsert the tubing about 1/2" into the port. b. Check the O-ring. Replace it if necessary. c. Reapply and increase the wraps of Plumber's tape to ensure a proper seal. d. Retighten the housing/cap properly.
Leaking from between the membrane cap and membrane housing	<ul style="list-style-type: none"> a. The O-ring is not seated correctly. 	<ul style="list-style-type: none"> a. The O-ring should be seated on the end of the membrane housing before the threads begin. The membrane cap is then screwed on over it. When positioned incorrectly, it will create a gap or damage the O-ring. When in the correct place, there will not be any pressure or tension on the O-ring.
High TDS in RO water	<ul style="list-style-type: none"> a. Incorrect installation. b. The RO membrane is not installed. 	<ul style="list-style-type: none"> a. Verify all tubing connections and the direction of filter installation. Contact the iSpring Customer Service Team if the trouble still exists. b. If the TDS of the tap water and water from the system is about the same, ensure the RO membrane is installed. The semi-permeable membrane is blue, comes in sealed packaging, and goes in the stage 4 membrane housing.
The system has a continuous drain	<ul style="list-style-type: none"> a. Incoming water pressure is below 45 psi (Model#RCC1D) or 30 psi (Model#RCC1DP) b. The Automatic Shut-Off Valve (AAS2) or check valve is defective. c. The inlet water solenoid valve is bad and cannot shut off the incoming water supply. 	<ul style="list-style-type: none"> a. Increase the incoming water pressure, such as adding a booster pump. b. Contact the iSpring Customer Service Team for replacement. c. Contact the iSpring Customer Service Team for replacement.
Cloudy water after installation	<ul style="list-style-type: none"> a. In the weeks after installing the system or changing the filters, you will see many tiny air bubbles in the RO water. This can cause the water to appear "cloudy." 	<ul style="list-style-type: none"> a. The bubbles will disappear as the system clears itself of trapped air and are harmless for the time being.

Pump does not start	<p>a. No power.</p> <p>b. Incoming water pressure is below 30 psi.</p> <p>c. Low-pressure switch is not functioning correctly.</p>	<p>a. Make sure the pump is plugged in. If it is plugged in and still not kicking on, make sure it is not plugged into the same outlet as the garbage disposal. Typically this outlet only has power when the garbage disposal is switched on.</p> <p>b. Increase the incoming water pressure, such as adding a booster pump.</p> <p>c. Contact the iSpring Customer Service Team for replacement.</p>
Pump runs 24/7	<p>a. If the output flow remains normal, the high-pressure switch is faulty.</p> <p>b. If the output flow is little to no, either the check valve is losing pressure, or the pump itself is faulty.</p>	<p>a. Contact the iSpring Customer Service Team for replacement.</p> <p>b. Contact the iSpring Customer Service Team for replacement.</p>

For questions or concerns, please contact us at support@123filter.com or visit our help page at 123filter.com/support

Glossary and Terms to Know

Add-On Kit (#ACL1): Filter add-on kit for adding additional inline filters to an existing system. It comes with quick-connect elbow fittings, filter clamps, and extra tubing

Auto Flush Solenoid Valve (#ASOF7): Automatically flushes the RO membrane to preserve membrane life and efficiency

Booster Pump (#PMP150): 24-volt booster pump used by residential iSpring RO systems

Check Valve (#ACV1K): One-way valve that does not allow water back into the membrane housing. It looks like a standard fitting and is located on the RO water port of the membrane housing

CTO Carbon Block Filter (#FC15): 3rd stage. 5-micron 10" carbon block filter. Further reduces any residual chlorine, tastes, and odors before the water reaches the RO membrane

Drain Saddle (#ADS1K): Attaches to your under-sink drain pipe to secure the drain tube coming from the system

Elbow Fittings (#4044K): Quick connect elbow fittings used on the system (except the membrane housing and cap). 1/4" tubing connection and 1/4" NPT male thread

Feed Water Adapter (#AFW43): It goes in line with your cold water line and branches off a water supply line to the RO system. Can adapt to 3/8" and 1/2" cold water lines

Feed Water Solenoid Valve (#ASOW7): Opens the water supply to the booster pump when the low-pressure switch and high-pressure switch are both on. Shuts off the water supply when one or both turn off

Flow Restrictor (#AFR300): Limits the drain water flow, keeping pressure in the system and allowing the RO process to occur

GAC Filter (#FG15): 2nd stage. 5-micron 10" granulated activated carbon filter. Reduces chlorine, tastes, and odors from the water

GPD: Gallons Per Day

High-Pressure Switch (#AHP1): Receives pressure signals from the pure water line. It turns on when the pure water line pressure is below 20 psi and turns off when pure water line pressure reaches 45 psi.

Housing Wrench for Membrane and Stages 1, 2, and 3 Housings (#AWR2): Housing wrench used to screw on and unscrew the membrane housing cap and the stage 1, 2, and 3 filter housings

Leak Stopper (#ALS1): Protects from any possible leaks by cutting off the water supply when the sponge absorbs water

Low-Pressure Switch (#ALP1): Turns on when the source water pressure reaches 6 psi, turns off when source water pressure drops below 6 psi

Membrane Housing and Cap (#NW12): Horizontal housing that the RO membrane is inserted into

Membrane Housing O-Ring (#ORM): 2 1/2" O.D. O-ring used to create the seal between the membrane housing and the membrane cap

PPM: Parts Per Million, a unit used to measure TDS readings

psi: Pounds Per Square Inch, a unit used to measure water pressure

Quick Connect Fitting: A secure, easy-to-connect, and disconnect type of fitting used on the system. The tubing is inserted past the tiny O-ring located inside each fitting, then locked into place by the spider lock and blue clip

Reverse Osmosis (RO) Membrane (#MC150): 4th stage. High rejection, 0.0001 micron, thin-film composite (TFC) reverse osmosis membrane, the heart of the reverse osmosis process

Sediment Filter (#FP15): 1st stage. 5-micron 10" polypropylene sediment filter. Traps particulate matter such as dirt, rust, and silt

Stage 1, 2, and 3 housing O-Rings (#ORF): 3 5/8" O.D. O-ring used to create the seal between the stage 1, 2, and 3 filter housings and their respective caps

Stage 1 See-Through Sediment Filter Housing (#HC12): Transparent stage 1 housing holds the sediment filter. The see-through housing allows for the sediment filter to be visually inspected

Stage 2 GAC Filter Housing (#HW12): Solid white housing that holds the stage 2 GAC filter

Stage 3 CTO Filter Housing (#HW12): Solid white housing that holds the stage 3 CTO filter

TDS: Total Dissolved Solids, a measure of the contamination level of a water source

Transformer for Booster Pump (#ATRF150): Power supply used for the PMP150 booster pump on residential iSpring RO systems

Optional Add-on

Ice Maker Connection Kit (Model# ICEK)

The iSpring ICEK can be purchased separately to feed RO water to your refrigerator for crystal-clear ice cubes. It can be easily installed to connect the RO system to your fridge's ice maker or water dispenser.

TDS Test Meter (Model# TDS2 or TDS3)

The TDS test meter can be used to check your tap water quality regularly and help determine the time for filter replacement.

Tubing (Model# T14B or T14W)

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

iSpring Tanks

This RO system can be used with a 4 – 200 gallons storage tank. A tank helps meet the impulsive high-volume demand and build a commercial or whole-house Reverse Osmosis solution.

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.

Warranty Registration

iSpring does not have access to order information from 3rd party selling channels, and it is strongly recommended to manually fill in the order information upon registering for warranty. Please contact our support team at support@123filter.com if there are any questions or concerns about the product and its installation. Your satisfaction is our business!

Please consider supporting us by leaving an honest product review on the channel where the product was purchased. It means a lot to us. Thank you for being an iSpring customer.

! NOTE: This does NOT apply to any filter cartridge, as the life expectancy varies based on incoming water quality.

Warranty Registration Form

Name _____ Order# _____

Email _____ Phone _____

Address _____

City _____ State _____ Zip Code _____

Model #/ Serial Number

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

Send to:

iSpring Water Systems, LLC
2480 Industrial Park Blvd, Cumming, GA 30041
+1 (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!

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

✉ support@123filter.com

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