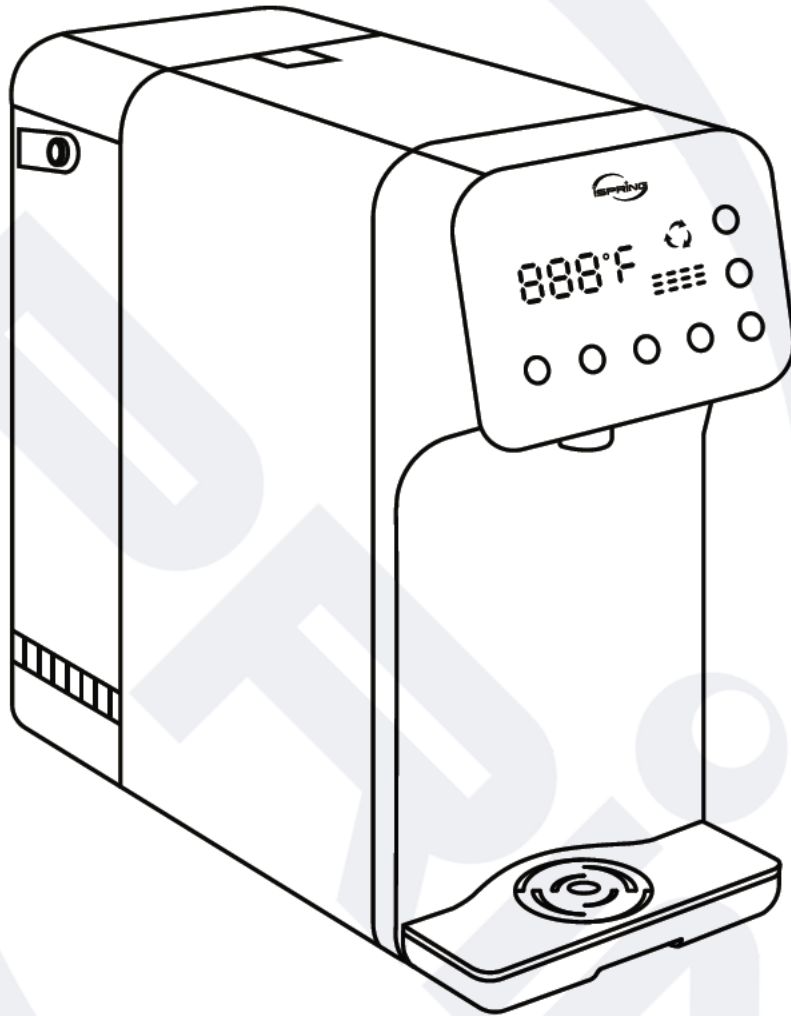


# COUNTERTOP

## iSpring RCD100 5-Stage Countertop Reverse Osmosis Water Dispenser



Model: RCD100

## Installation Instructions & User Manual

Ver. 12/2022



**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 households 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 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 the best water for years to come.



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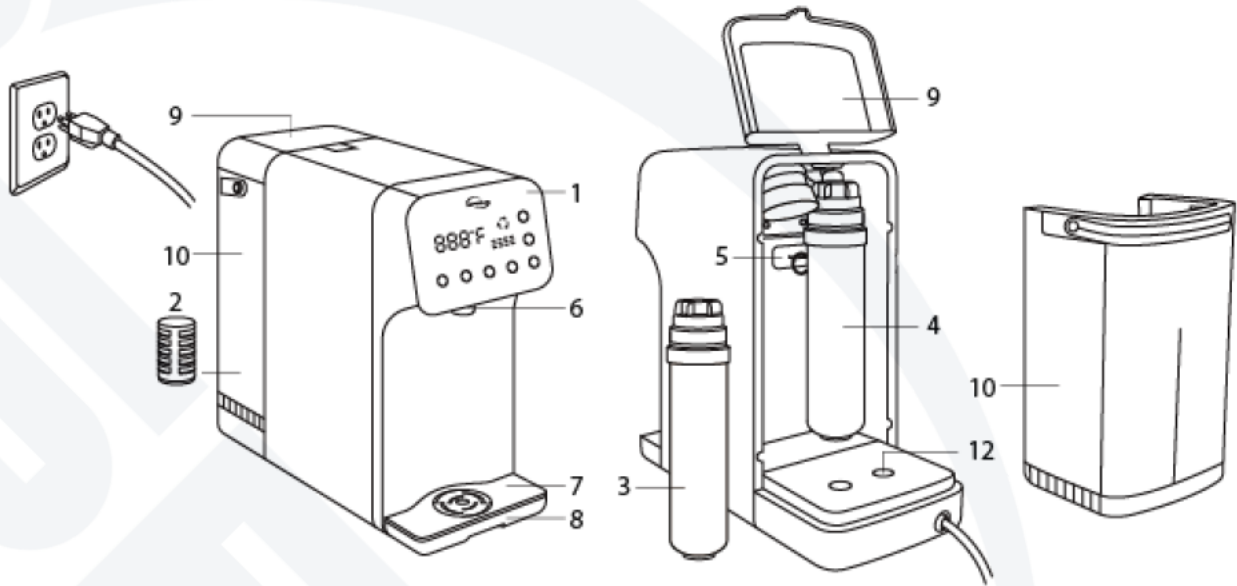
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## **User Information**

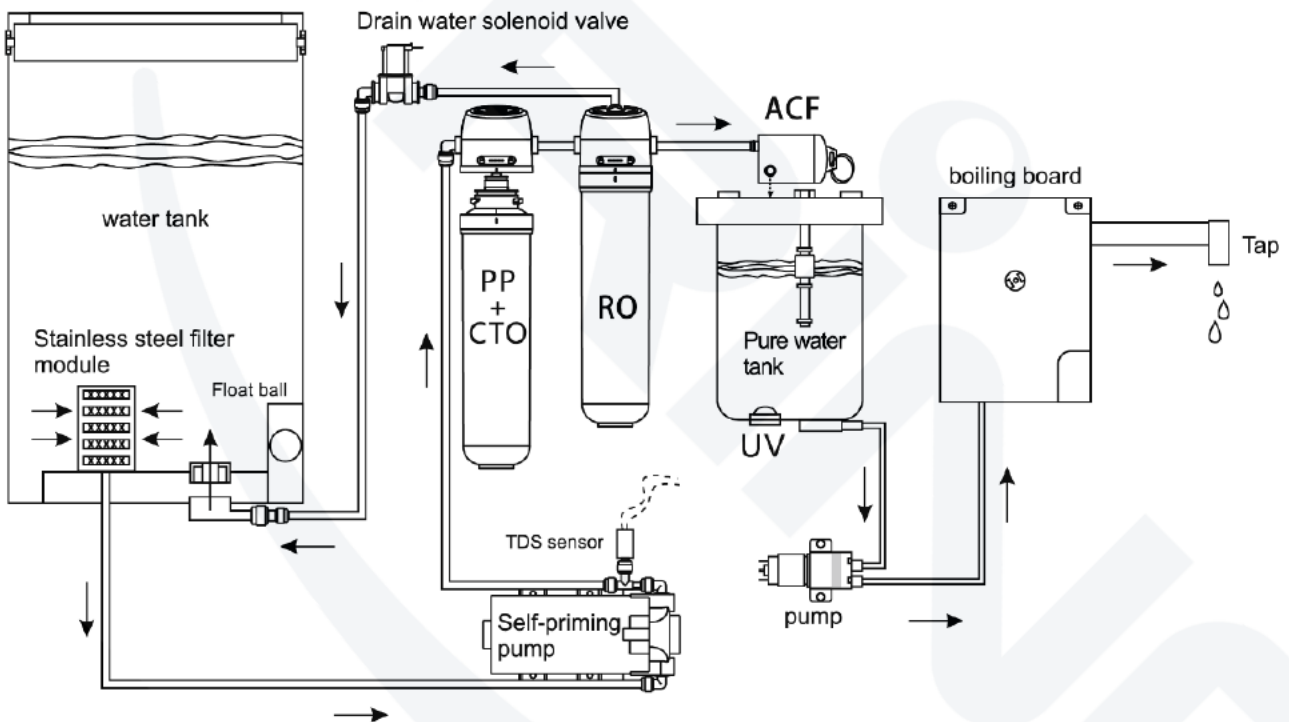
The user must adhere to the installation specifications described in this Product Installation and Operation Manual (the "instruction manual"). iSpring is not responsible for damage, loss, or injury resulting from neglect, improper maintenance, or unauthorized modification of products.

- This product is designed for residential use only. Contact iSpring customer service for non-residential applications.
- This system must be installed indoors. The installation location should be well-ventilated and protected against wind and rain. Avoid direct sunlight and radiation from any heat sources.
- The operating temperature range is 41 - 100°F (5 - 38°C). This water filtration system is NOT designed for HOT water. If the water temperature or ambient temperature falls below 41°F, immediately shut off the inline water supply and drain the remaining water from the system.
- 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.
- Ensure there is proper space around the system, and apply no external force to the system or its connecting pipes.
- Use only authorized iSpring parts and filters. Using unauthorized or aftermarket components will void the product warranty.
- Unauthorized modification and disassembly are strictly prohibited and will void the warranty.
- It is recommended that users check external fittings and connections regularly to ensure all components are secure and operating properly.
- This system 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 that they do not tamper with the appliance.
- Never touch the power cord connector when your hands are wet, as this may result in electric shock.
- Product installation and use must strictly comply with the requirements of this manual. Perform no operations on the product without reading and understanding the contents of this manual.
- Activation of this product indicates that the owner has carefully read, understood, and accepted the contents of this manual, including the safety notices and instructions.

## Introduction



1 - Display, 2 - Stainless Steel Mesh Filter (1<sup>st</sup> stage), 3 – PP+CTO Composite Filter (2<sup>nd</sup> stage), 4 - RO Membrane (3<sup>rd</sup> stage), 5 – Activated Carbon Filter (4<sup>th</sup> stage), 6 - Pure Water Outlet, 7 - Base Cover, 8 - Base, 9 - Tank Cap, 10 - Tank, 11 - Cable, 12 - Water Inlet



## Product Features

Parameter	Specification
Incoming Water Temperature	41 - 100°F
Operating Humidity	≤ 90%
Pure Water Flow Rate	0.05 GPM
Water Tank Volume	1.3 Gallon
Rated Power	1600 w
Rated Voltage	110 V / 50 Hz, 1.2 A
Maximum Hot Water Flow Rate	0.1 GPM (≥ 90°C)

- Do not use this system with microbiologically unsafe water or potentially inadequately disinfected water.
- This system is used on a cold supply only and to be kept away from freezing environments.
- Choking hazard: Small parts are included in the package. Please keep the package out of the reach of small children at ALL times.

## Display and Touch Screen Operations

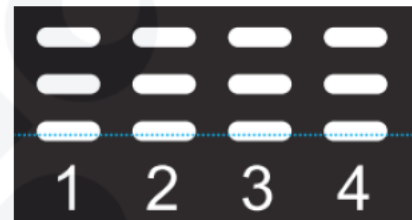


Operations and Key Strokes	
Setting	Press and hold this button for 3 seconds or until a "beep" sound plays to enter the filter life reset mode.
Option	After entering the filter reset function, press this button to choose a specific stage of the filter to reset the filter life. The numbers 1, 2, 3, and 4 each represent a particular filter- 1 for the Stainless mesh filter; 2 for the Composite filter; 3 for the RO membrane; 4 for the ACF filter. The number logo will flash after being chosen. Press and hold the "Setting" button until a "beep" sounds to rest the filter after replacing the cartridge. Repeat the above steps to reset all filters when needed. The reset mode will end automatically after 5 seconds of inactivity. The backlight should flash after a beep each time it is pressed. Please note that the filter reset must be done while the tank lid is closed.

Lock	Press this button once to disengage the Children's Safety Lock (CFL). The CFL will automatically engage and apply to all hot water modes (Formula, Coffee, Tea) after 5 seconds of inactivity. "Room Temp" mode is NOT governed by the CFL.
Room Temp.	Press this button to dispense room-temperature water. Press the same button to stop. A maximum 250 ml (0.06 gallons) of water will be dispensed per cycle.
Formula	After disengaging the Children's Safety Lock (CFL), press this button to dispense 120°F (50°C) water. A maximum 250 ml (0.06 gallons) of water will be dispensed per cycle.
Coffee	After disengaging the Children's Safety Lock (CFL), press this button to dispense 185°F (85°C) water. A maximum 250 ml (0.06 gallons) of water will be dispensed per cycle.
Tea	After disengaging the Children's Safety Lock (CFL), press this button to dispense 205°F (95°C) water. A maximum 250 ml (0.06 gallons) of water will be dispensed per cycle.
WORK	This light is flashing while the system is producing pure water.
REFILL	This signal flashes when the water level is low or the water in the tank needs to be replaced.
✕	This signal keeps flashing when the system encounters issues that need attention. See the <b>"Troubleshooting"</b> section for details.
UV	This signal is always on when the UV is working and goes out after the sterilization is completed. When the system is powered on, the UV will automatically turn on and work, and it will automatically run the cycle of turning on for 10 minutes and turn off for 20 minutes.

#### Other notes:

1. Initial system startup: The system will initiate a flush sequence upon first-time use. The flush will take 120 seconds. The system will also flush for 30 seconds each time after water has been dispensed and 10 seconds after the water tank has been filled.
2. Sleep Mode: The system will automatically enter sleep mode after 5 minutes of inactivity. All displays/lights will be turned off. Press any button to exit sleep mode.
3. Filter life indicator:  
The 3 bars on the indicator represent the filter life with a white backlight. When a particular filter reaches the end of its life cycle and must be replaced or serviced, the correspondent filter life indicator light will flash red with 30 beeps until it is reset. **IT IS STRONGLY RECOMMENDED TO FOLLOW THE INDICATOR ON FILTER REPLACEMENTS/SERVICE, OR THE WARRANTY MAY BE VOIDED.**
4. Filter Life Indicator Reset: See the description from the table above in the "Option" section.
5. Temperature Unit Change: Press and hold the "Option" button for 3 seconds or until the "beep" sounds to switch between Celsius and Fahrenheit.
6. System factory reset: To reset the system to factory settings, remove the lid of the water tank, press and hold the "Setting" and "Room Temp" buttons for 5 seconds or until a long "beep." This will erase all user settings and reset filter life indicators. Each time the system is reconnected to the power supply or after reset, it must dispense room-temperature water for 10 seconds before hot water modes can be used.



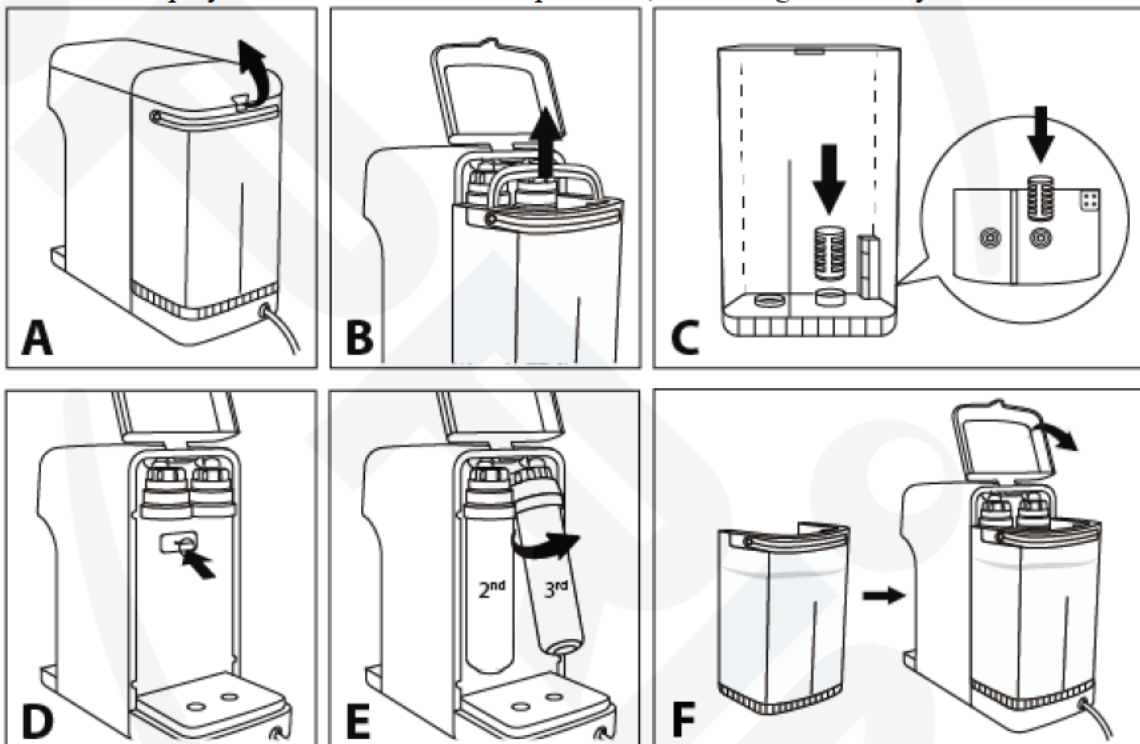
### Filter Installation and replacement

#### Note:

- Rinse the tank and replace the water if not used for more than 24 hours.
- Do not fill the tank with any liquid other than water.
- Every time you open the cap, please **wait 10 seconds before removing the tank.**

### Filter installation:

1. Place the system on a stable and leveled surface and remove the packaging on the filters.
2. Open the water tank cap and lift the tank. Rinse the tank thoroughly.
3. Place the 1<sup>st</sup> stage stainless steel mesh filter onto the slot in the bottom of the tank on the right side.
4. The 4<sup>th</sup> stage ACF filter slot is behind the 2<sup>nd</sup> and 3<sup>rd</sup> filters; therefore, it must be installed first. Just insert the filter into the slot on the wall with the label facing up, and make sure the filter goes all the way into the slot.
5. The 2<sup>nd</sup> stage composite filter should be installed at the left half of the wall behind the tank. Lift the filter cap on the system, insert the filter, and plug it into the slot; slightly twist the filter counterclockwise until the filter seats in tightly and the mark on the filter aligns with the arrow on the filter cap. Perform the same operation for the 3<sup>rd</sup> stage (reverse osmosis membrane) on the right portion of the system wall.
6. Place the tank back in the base, fill up the tank, and close the lid. The system WILL NOT operate with the lid open. Make sure the surface and system are dry. Plug the adapter into the power outlet. The display will turn on with a "beep" sound, indicating that the system is on.



7. Let the system finish its flush cycle. The flush will take 120 seconds. The system will also flush for 30 seconds each time water has been dispensed and 10 seconds after the water tank has been filled.
8. A manual flush is also recommended for first-time use.
  - a. Place a cup beneath the dispenser, press the "Room Temp" button on the display, and the system will dispense 250 ml (0.06 gallons) of water. Repeat this step 3 - 4 times.
  - b. Take the tank out and empty the rest of the water inside. Refill the tank with fresh water.
  - c. Install the tank back into the system. Repeat step a.
9. The system is now ready to be used. Please use the following information to service and replace the filters based on the recommended schedule:

### Filter replacement and service schedule

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

### Filter Replacement/Service schedule:

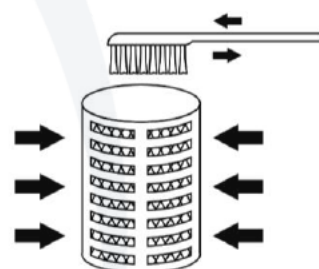
Stage No.	Filter Model#	Content	Filter Life
1	FNF100	Stainless Steel Filter	Clean at least every 3 months with a soft brush or replace when needed
2	FPC100	Composite Filter	Up to 12 months
3	MCD100	RO Membrane	Up to 12 months
4	FCB100	Post Carbon Filter	Up to 12 months

The filters are highly suggested to be cleaned or replaced when they reach their recommended replacement cycle. However, the actual lifespan of filters may vary depending on the source water quality and frequency of usage. Please follow the filter life indicator and replace the filter on time. Please refer to the "Other notes" under the *"Display and Touch Screen Operations"* section.

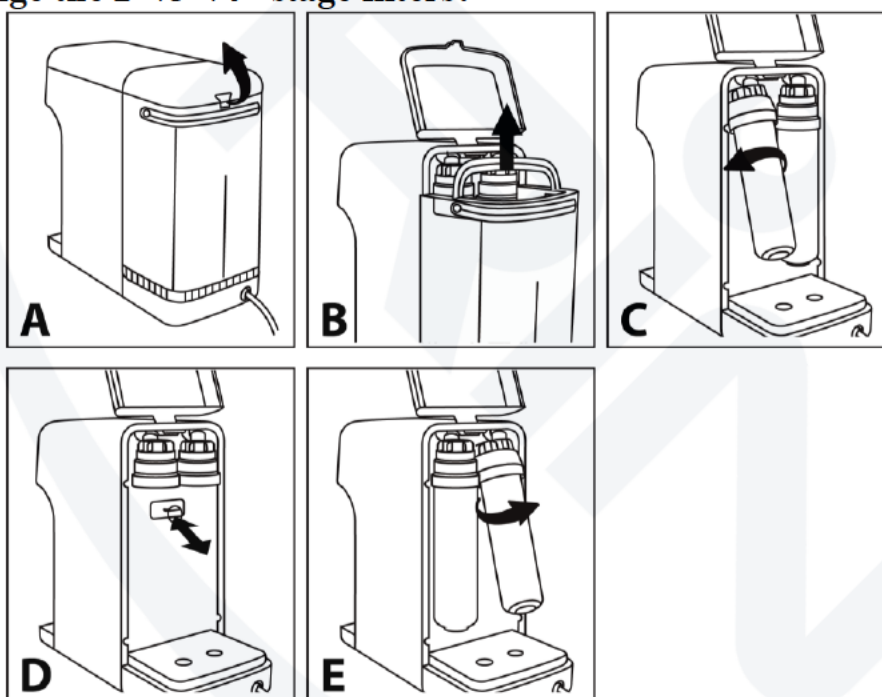
### How to clean the 1<sup>st</sup> stage filter?

Every 3 months, open the tank lid for 10 seconds to allow self-flushing, take out the tank, remove the filter, then carefully clean it with brushes. Put the filter back in place after you are finished cleaning.

Note: The 1<sup>st</sup> stage filter may need to be replaced every certain period depending on the inlet water quality.



### How to change the 2<sup>nd</sup>/3<sup>rd</sup>/4<sup>th</sup> stage filters?



- Open the tank lid and give the system 10 seconds for self-cleaning and flushing, then remove the tank.
- Gently lift the filter cap, then twist the filters clockwise to release the filters.
- Pull out the 4th stage filter from the slot in the back wall and replace it with a new one.
- Install the new 2<sup>nd</sup> and 3<sup>rd</sup> filters back into the system.
- Refill the tank with water, and put it back into the system. Plug in the system and reset the filter life button following the instructions in the *"Filter Installation"* section.

## Troubleshooting

Symptom	Reason	Solution
No room temp water	a. No power. b. The system is still producing water as the "WORK" signal is flashing. c. The water level in the tank is too low as the "REFILL" signal is flashing. d. The tank cap is not closed. e. The water tank is not seated properly.	a. Check if the system is plugged in. b. Wait until the "WORK" signal stops flashing as water production is finished. c. Refill the tank and wait for the system to produce water. d. Close the tank cap. e. Check the tank installation.
No hot water	a. No power. b. The system will automatically enter self-protection mode if it directly starts the hot water function when there is no water in the pure water tank. c. The system is short of water as the "REFILL" signal is flashing. d. The tank cap is not closed. e. The water tank is not installed properly.	a. Check if the system is plugged in. b. Let the system produce 250 ml (0.06 gallons) of ambient temperature water first and then get hot water. c. Refill the tank and wait for the system to produce water. d. Close the tank cap. e. Check the tank installation.
Smell or a bad taste in the water	a. The brand new system may cause some smell and bad taste at first. b. The system has not been used for a long time. c. The filters are not replaced on time.	a. Flush the system with a full tank of water. b. Flush the system with a full tank of water. The filter may need to be replaced. c. Replace the old filters.
Water leakage	a. Water level is above the maximum line of the tank. b. The check valve in the tank is broken. c. Leakage inside the system.	a. Pour the excess water out. b. Contact the customer service team. c. Contact the customer service team.
" ✕ " icon signal keeps flashing red	a. The temperature sensor is broken. b. The boiling board sensor is broken. c. The float switch is broken.	Contact the customer service team.

If you have any questions or concerns during the installation and operation, don't hesitate to contact us at [support@123filter.com](mailto:support@123filter.com) or visit our help page at [123filter.com/support](https://123filter.com/support)



## **iSpring Standard Limited Warranty (End-Users Only)**

**In order to be eligible for this warranty, the end-user must register at [www.123filter.com](http://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!

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## 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](mailto:support@123filter.com)

☎ +1 (678) 261-7611

💬 +1 (470) 560-0012

Monday-Friday 8:30 a.m. - 5:30 p.m. EST

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