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› iSpring RCC7P-AK, 6-Stage Reverse Osmosis System Under Sink Alkaline Water Filter and Pump, RO Drinking Water Filtration System, Patented Top-Mounted Faucet Design for Easy Installation

iSpring RCC7P-AK

iSpring RCC7P-AK 6-Stage Reverse Osmosis System User Manual

Model: RCC7P-AK | Brand: iSpring

INTRODUCTION

The iSpring RCC7P-AK is a high-capacity 6-stage reverse osmosis (RO) drinking water filtration system designed to provide safer, healthier water directly from your tap. This system incorporates an electric booster pump for consistent performance and an alkaline remineralization filter to restore beneficial minerals and balance pH, enhancing water taste. It effectively removes a wide range of contaminants, ensuring high-quality drinking water for your household.



Figure 1: Overview of the iSpring RCC7P-AK Reverse Osmosis System components.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your iSpring RCC7P-AK system. The system is designed for under-sink installation and features a patented top-mounted faucet design for ease of setup.

Key Installation Features:

- **Patented Top-Mounted Faucet Design:** Simplifies faucet installation on your countertop, reducing strain and complexity.
- **Under-Sink Fit:** Compact design allows for convenient placement under most kitchen sinks.
- **Booster Pump:** The integrated electric booster pump ensures high efficiency and consistent performance, especially in low water pressure environments.



BOOST YOUR RO SYSTEM WITH PUMP



✓ Boosts water pressure to **80 psi**, ideal for low-pressure environments (<45 psi)

✓ Saves water bills by **50%**

✓ Produces filtered water at a faster speed

Figure 2: Illustration of the quick and easy top-mounted faucet setup.

To Existing Kitchen Faucet

Fits both 1/2" NPT & 3/8" COMP

Feed Water Adapter #AFW43

One Piece Design. No Risk of Leaking.

RO 1/4" Tubing

Do Not Over Tighten

Cold Water Shutoff Valve



Figure 3: The system's dimensions and how it fits under a sink.



FITS NICELY UNDER SINK



Figure 4: Details of the feed water adapter and RO tubing connection.

QUICK & EASY SET UP

US-Patented Top-Mounted Design



COUNTERTOP



No Back Pain



No Under-Sink Struggles

Figure 5: Example of a compression fitting for secure connections.

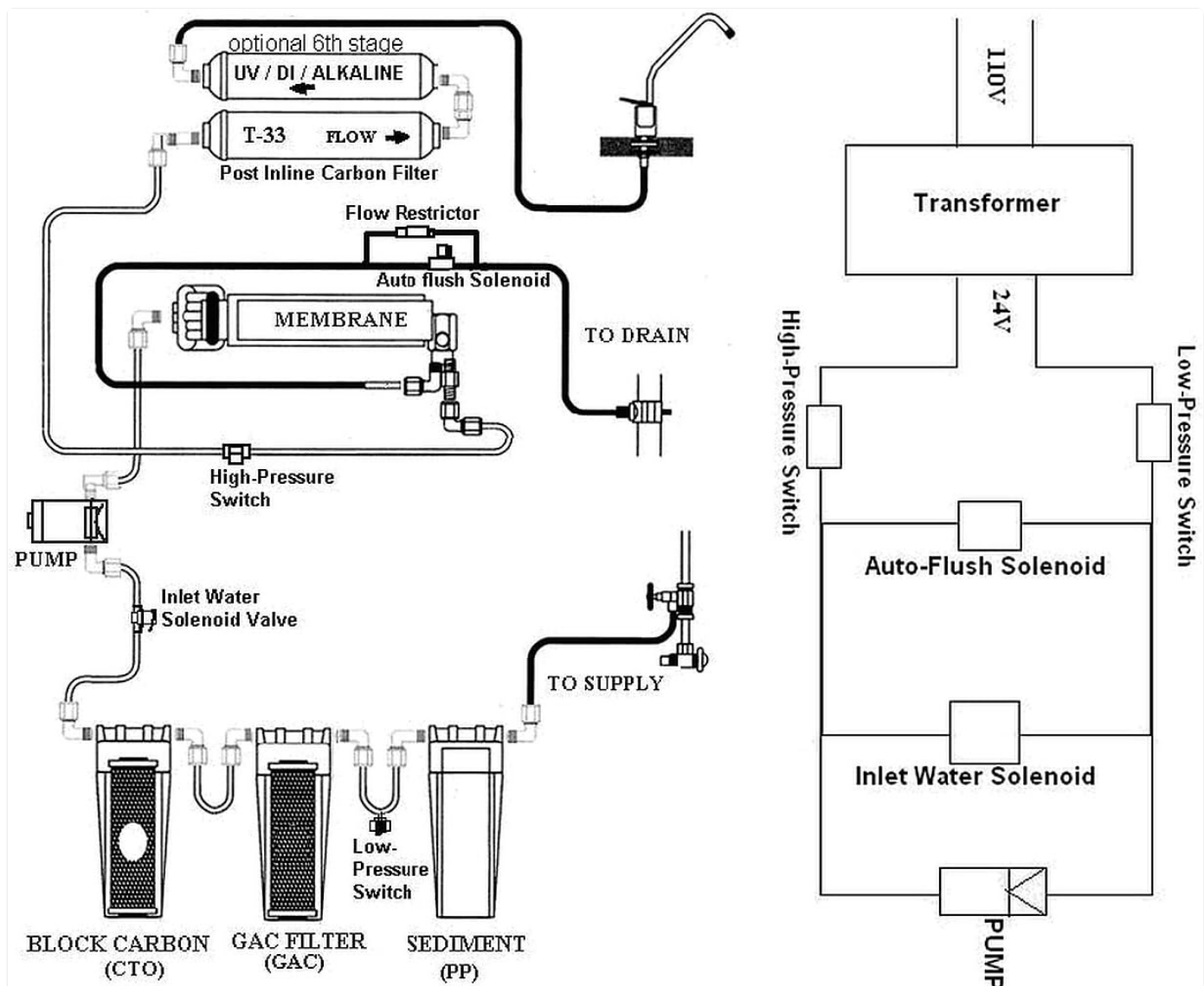


Figure 6: System schematic diagram for plumbing and electrical connections.

Installation Video:

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Video 1: Detailed DIY installation guide for the RCCP Series Reverse Osmosis System. This video provides step-by-step instructions for setting up your unit.

OPERATING INSTRUCTIONS

Once installed, the iSpring RCC7P-AK system operates automatically to provide purified water. The booster pump ensures efficient water production, and the multi-stage filtration process works continuously to remove impurities.

Filtration Stages:

1. **Stage 1 (PP Sediment Filter):** Removes dirt, sand, silt, rust, and other particles.
2. **Stage 2 (GAC Carbon Filter):** Removes chlorine, tastes, odors, and organic chemicals.
3. **Stage 3 (CTO Carbon Block Filter):** Further removes chlorine, organic chemicals, and fine sediments.
4. **Stage 4 (RO Membrane):** The core of the system, removing up to 99% of over 1,000 contaminants including lead, fluoride, arsenic, and more.
5. **Stage 5 (Post Carbon Filter):** Provides final polishing for taste and odor.
6. **Stage 6 (Alkaline Remineralization Filter):** Restores healthy minerals and produces a balanced alkalinity, improving water taste.



6-STAGE RO FILTRATION

REDUCES 1000+ CONTAMINANTS



Figure 7: Visual representation of the 6-stage filtration process and contaminants addressed.



WHY ALKALINE WATER?



The higher TDS levels drinking water (i.e., higher mineral content) can help:

- ✓ Protect pancreatic beta cells through its antioxidant effect^[1]
- ✓ The body take in more water^[2]
- ✓ Replenish lost water quickly^[2]
- ✓ Improve the taste of water
- ✓ Take in balanced Alkalinity

The minerals from the alkaline filter can reduce:

- ✗ The incidence of coronary heart disease (CHD)^[1]
- ✗ Cardiovascular disease (CVD)^[1]
- ✗ Cancer^[1]
- ✗ Overall mortality^[1]
- ✗ Osteoporosis^[1]

[1] Mousa, H. A. L. (2016). Health Effects of Alkaline Diet and Water, Reduction of Digestive-tract Bacterial Load, and Earthing. *Alternative Therapies in Health & Medicine*, 22.

[2] Rosborg, I., & Kozisek, F. (2016). Drinking water minerals and mineral balance (p. 175). Springer International Pu.

Note: The Alkaline filter helps restore beneficial minerals, which are considered TDS. Thus, this RO system **cannot** reduce TDS to low level or zero if wanting pH+ water.

Figure 8: Benefits of alkaline water and the role of the remineralization filter.



Figure 9: Details of the booster pump, highlighting its role in pressure and efficiency.

Product Overview Video:

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Video 2: An overview of the iSpring RCC7P-AK Boosted Performance Under Sink 6-Stage Reverse Osmosis Drinking Filtration System.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your iSpring RO system. This primarily involves timely filter replacements and checking for leaks.

Filter Replacement:

The lifespan of filters depends on your water quality and usage. It is recommended to replace the pre-filters (Sediment, GAC, CTO) every 6-12 months, the RO membrane every 2-3 years, and the post-carbon and alkaline filters annually. The clear see-through 1st stage housing allows for easy visual inspection of the sediment filter.



Figure 10: Examples of replacement filter sets for the iSpring RO system.

Leak Stop Valve:

Consider installing an iSpring leak stop valve for added protection against water damage. This device automatically shuts off the water supply if a leak is detected.

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Video 3: Demonstration of the iSpring Leak Stop Valve for Reverse Osmosis RO Systems and its DIY installation.

TROUBLESHOOTING

This section provides general guidance for common issues. For detailed troubleshooting or persistent problems, please contact iSpring customer support.

Common Issues:

- **Low Water Pressure from Faucet:**

- Check if the storage tank is full. If empty, allow time for it to fill.
- Inspect pre-filters and RO membrane for clogging. Replace if necessary.
- Ensure the booster pump is operating correctly.

- **Unusual Taste or Odor:**

- Flush the system thoroughly after filter replacement.
- Check the age of carbon filters (Stages 2, 3, 5). Replace if expired.
- Ensure the alkaline filter is correctly installed and not expired.

- **Leaks:**

- Turn off the water supply immediately.
- Inspect all connections, especially push-fit fittings, ensuring tubing is fully inserted and secured with locking clips.
- Check O-rings in filter housings for proper seating and damage.

- **Constant Drain Water Flow:**

- This may indicate a faulty auto shut-off valve or a clogged flow restrictor. Contact support.

SPECIFICATIONS

Feature	Detail
Brand	iSpring
Model Name	Reverse Osmosis System (RCC7P-AK)
Special Feature	Alkaline Filter, Reverse Osmosis, Pump
Product Dimensions	15"L x 8"W x 18"H
Installation Type	Under Sink
Power Source	Corded Electric
Item Weight	14.5 Kilograms (31.9 pounds)
Upper Temperature Rating	100 Degrees Fahrenheit
Supported Water TDS Level Maximum	2000 PPM
UPC	662425038022
Country of Origin	China

WARRANTY AND SUPPORT

iSpring is committed to providing quality products and excellent customer service.

Warranty Information:

The iSpring RCC7P-AK comes with a **1-year limited manufacturer warranty** upon registration. Please refer to the official iSpring website or your product registration details for full warranty terms and conditions.

Customer Support:

For any questions, technical assistance, or warranty claims, please contact iSpring customer support. Support is available from Atlanta, GA, USA, ensuring prompt and knowledgeable assistance.



Figure 11: iSpring's commitment to customer support and quality.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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