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› APEC WATER RO-PH90 Alkaline 6-Stage Reverse Osmosis Water Filter System Instruction Manual

APEC WATER RO-PH90

APEC WATER RO-PH90 Alkaline 6-Stage Reverse Osmosis Water Filter System

INSTRUCTION MANUAL

Introduction

The APEC WATER RO-PH90 system provides unlimited ultra-fresh, healthy, great-tasting drinking water directly from your kitchen tap. This system is designed for cooking, making coffee, tea, and ice, effectively removing impurities and enhancing pH for an alkaline water experience.

Key features include:

- **Supreme Quality:** Built with long-lasting 100% US-made filters for durability.
- **WQA Tested and Certified:** Effectively removes up to 99% of impurities such as chlorine, taste, odor, VOCs, fluoride, arsenic, lead, heavy metals, and over 1000 other contaminants.
- **pH Enhanced:** Incorporates 100% US-made high-purity calcium carbonate to effectively raise water pH for those desiring alkaline water.
- **Premium Faucet and Parts:** Comes with a 100% metal, 100% lead-free luxury designer faucet and JG premium grade tubing for safe, impurity-free pure water.

Setup

Proper installation is crucial for optimal performance. Follow these guidelines for setting up your APEC WATER RO-PH90 system.

APEC WATER HIGH PURITY pH+ ALKALINE FILTER

Safely and effectively raises pH level of the water

Enhance water taste &
neutralize acidity by adding
**100% US-MADE
CALCIUM CARBONATE**
mineral back into the water
to provide **PREMIUM GRADE**
mineralized drinking water



Figure 1: Close-up of the versatile feed water adapter, demonstrating compatibility with both 3/8" and 1/2" connections for under-counter feed water lines.

Versatile Feed Water Adapter.

Allows either 3/8" or 1/2" connections without the need of additional components. Suited for most under counter feed water line.

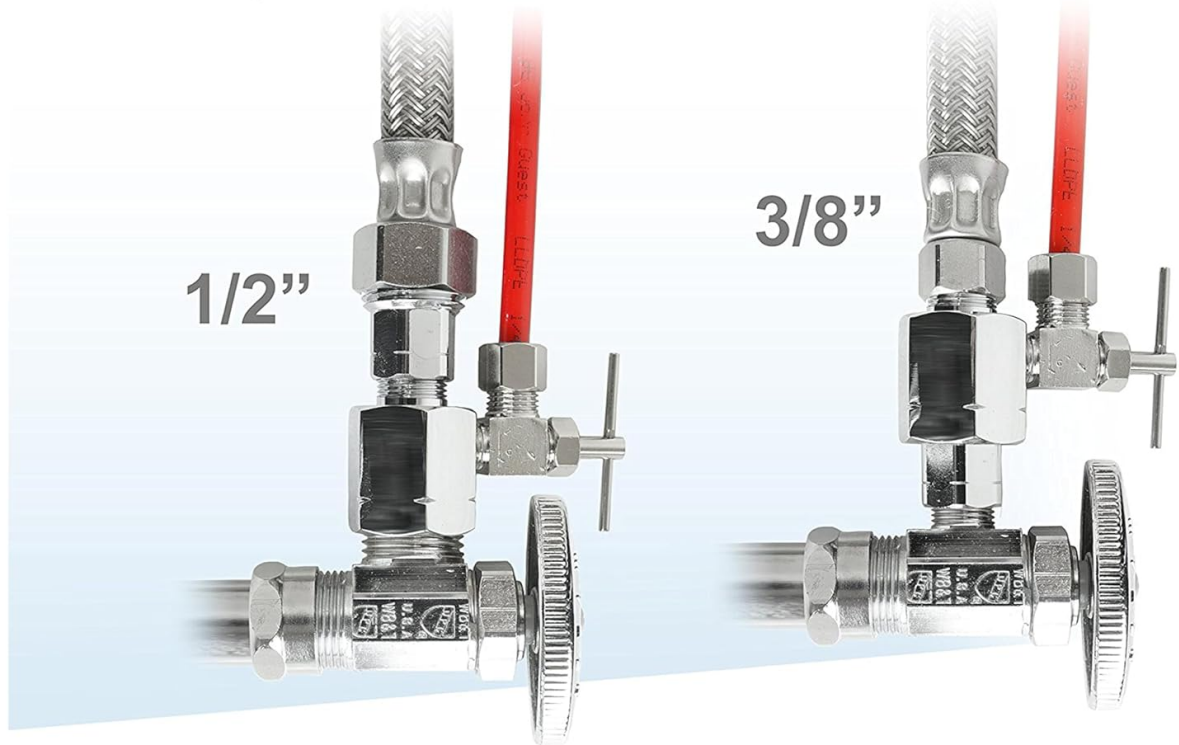


Figure 2: Illustration detailing the 'Super Easy Installation' process for the faucet, highlighting pre-installed tubing for quick and secure leak-free connection.

SUPER EASY INSTALLATION

Connect pre-installed tubing directly to the system output. Quick, secure and simple without any hassle. Leak-free guaranteed.

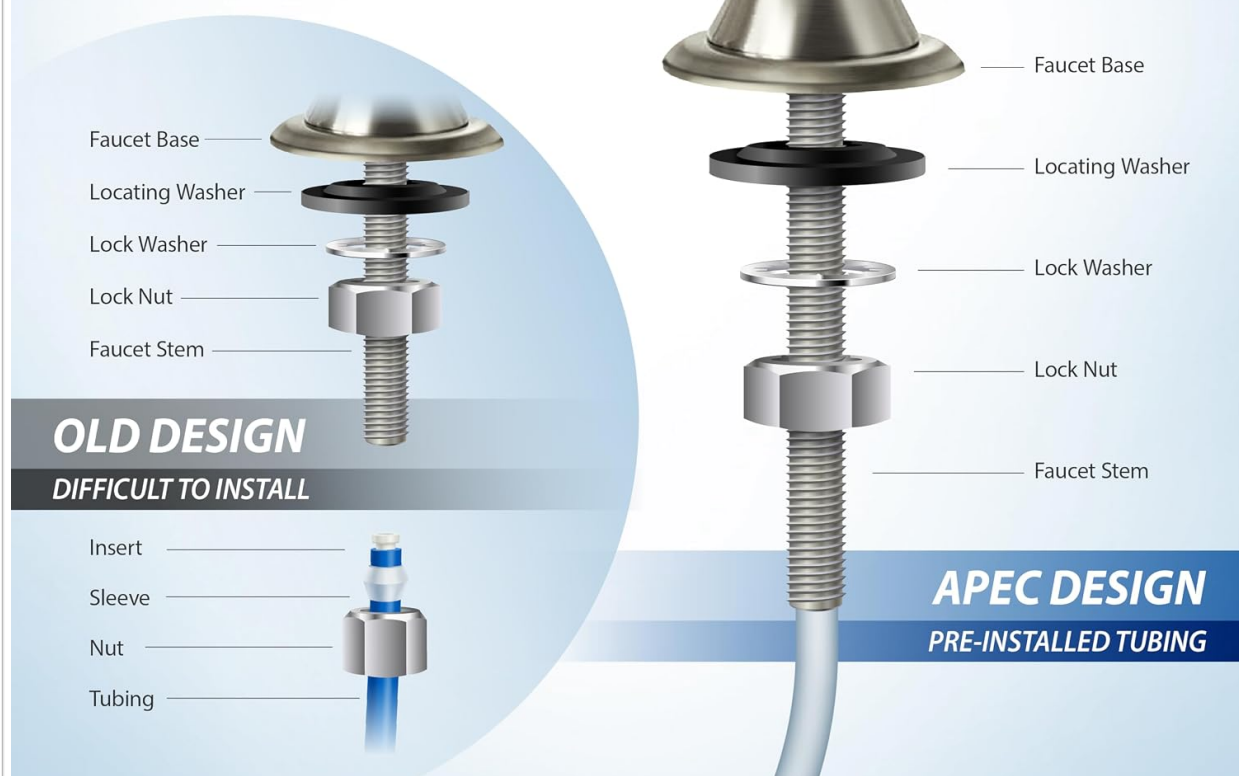


Figure 3: Image showcasing the modern design and premium quality of the lead-free brushed nickel faucet, featuring 360-degree rotation and a smooth disc valve.

Video 1: Official APEC Water Systems video addressing frequently asked questions and troubleshooting tips for the installation of the reverse osmosis system.

Operating Instructions

Once installed, your APEC WATER RO-PH90 system is ready to provide purified water. The system operates automatically to fill the storage tank.

AMERICA'S TOP NOTCH WATER FILTERS



WQA
CERTIFIED

WQA Std 58 Gold Seal Certified System

Certified for material and parts safety, structural integrity, and impurity rejection performance.

1st
STAGE

Super Capacity Sediment Filter

Removes dirt, particles, and rust.

2nd
STAGE

3rd Super Capacity Carbon Block

Removes chlorine, tastes, odors, cloudiness, colors, VOCs and other impurities.

4th
STAGE

Top Tier FILMTEC RO Membrane

Removes up to 99% of impurities including arsenic, lead, fluoride, heavy metals, and much more...

5th
STAGE

Refining Coconut Carbon Filter

Removes any possible residual taste & impurity from the tank.

6th
STAGE

PH+ Alkaline Re-Mineralizing Calcium Filter

Add 100% high-purity calcium carbonate to effectively raise pH in the water.

Figure 4: Diagram illustrating the 6 stages of filtration: 1st Super Capacity Sediment Filter, 2nd & 3rd Super Capacity Carbon Block, 4th Top Tier FILMTEC RO Membrane, 5th Refining Coconut Carbon Filter, 6th PH+ Alkaline Re-Mineralizing Calcium Filter.

APEC WATER PRE-FILTER SET

US Made. Double Capacity.



- Last 2x longer
- Replace once a year

- Low capacity
- Replace twice a year

Figure 5: Image showing a TDS mini meter displaying '003 PPM' in a glass of water, illustrating the purity and measurable quality of the filtered water.

Video 2: A review video demonstrating the APEC RO-PH90 system, showcasing the dispensing of crisp, filtered water from the dedicated faucet.

Maintenance

Regular filter replacement is essential to maintain the performance and water quality of your APEC WATER RO-PH90 system. Refer to the following for filter types and replacement schedules.



PURITY
YOU CAN TASTE

QUALITY
YOU CAN MEASURE

Youtube "APEC TDS TEST"



Figure 6: A complete set of APEC Water filters, including sediment, carbon block, RO membrane, and pH+ remineralization filters, all US-made for premium quality.

APEC WATER®

ULTIMATE REVERSE OSMOSIS SYSTEM COMPLETE PARTS LIST



The image shows the APEC Water Ultimate Reverse Osmosis System, which includes a white storage tank, a pre-filter set with three filters, and a main RO unit with a membrane and post-filter.

Part Name	Description
High Capacity Filters	Made in USA, high capacity filters, last twice as long as standard filters
Lead-Free Brushed Nickel Faucet	100% Metal & Lead-Free, high quality brushed nickel faucet
90 GPD Membrane & Post Filter	Made in USA, industry leading Dow Filmtec RO membrane & high quality post coconut carbon inline filter
JG Colored Tubing	JG premium grade color tubing
Calcite Acidic Water Neutralizer	10" Food premium calcium alkaline inline filter
Water Storage Tank	4 gallon pre-pressurized water storage tank
Drain Saddle	Quick Connect 1 1/4" - 1 1/2" drain saddle
Housing Wrenches	High strength pre-filter and membrane housing wrenches
Feed Water Adapter	1/2" or 3/8" versatile feed water adapter
Tank Ball Valve	Quick Connect 1/4" tank ball valve

Figure 7: Comparison image of APEC Water pre-filter set (left) versus standard filters (right), emphasizing that APEC filters last twice as long and require replacement only once a year.

APEC WATER COMPLETE FILTER SET

US Made. Premium Quality.



Figure 8: Visual guide for APEC RO-PH90 Replacement Filter Sets, showing options for Stages 1-3, Stages 1-3&6, and Stages 1-6.

Video 3: Official APEC Water Systems guide on how to replace the filters in your reverse osmosis system, providing step-by-step instructions for proper maintenance.

Troubleshooting

If you encounter any issues with your APEC WATER RO-PH90 system, consult the following common problems and solutions. For further assistance, refer to the full manual or contact customer support.

Video 4: Official APEC Water Systems video addressing frequently asked questions and troubleshooting tips for the installation of the reverse osmosis system.

Common Issues:

- **No Water from Faucet:** Check feed water and tank valves are fully open. Ensure RO faucet is turned on. Allow 2-3 hours for the tank to fill after initial installation.

- **System Leaking:** Immediately shut off feed and tank valves. Check tubing joints and filter housings for secure connections. Re-seat tubing if necessary. Inspect O-rings for damage and proper placement. For threaded leaks, re-wrap with Teflon tape and re-tighten.
- **Cloudy Water or Air Bubbles:** This is normal after filter changes due to trapped air. Flush the system for 2-3 full tank cycles. Gently tip the RO unit to release air from housings. Alkaline filters may naturally release microbubbles from added minerals.
- **System Constantly Draining or Running:** Check home water pressure (should be over 45 PSI). Replace filters if they are past their recommended lifespan (6-12 months for pre-filters, 2-3 years for RO membrane). Ensure the shut-off valve is installed correctly. A constant stream from the drain is not normal; a slight trickle is.
- **Low Water Pressure or Weak Faucet Flow:** Check if the tank is full (lift it; if light, it's not). Verify tank air pressure (empty tank should read 7-10 PSI). Ensure the tank valve is open and tubing is not pinched. It may be time to replace the membrane or inline filters.
- **System Making Noise:** Some noise is normal during refill (clicking or a soft hiss). Loud gurgling may indicate the drain saddle needs realignment. Rattling could be tubing knocking around; secure it with clips.

Specifications

Feature	Detail
Brand	APEC WATER
Model Name	RO-PH90
Model Number	RO-PH90
Special Feature	Reduce TDS
Product Dimensions	15"L x 7"W x 18"H
Material	Polypropylene
Capacity	4 Gallons
Included Components	Reverse Osmosis System, Tank, Filters, Owners Manual
Installation Type	Under Sink
Purification Method	Reverse Osmosis
Power Source	Manual (Water Pressure)
Maximum Flow Rate	0.06 Gallons Per Minute
Upper Temperature Rating	360 Degrees Fahrenheit
Supported Water TDS Level Maximum (PPM)	2000
UPC	854961005846

Warranty

The APEC WATER RO-PH90 system comes with a lifetime support by certified WQA water specialists. An extended 2-year manufacturer warranty is available upon product registration. This ensures peace of mind and continued performance of your water filtration system.

Support

For additional assistance, technical support, or to purchase replacement parts, please visit the official APEC Water Systems website or contact our customer service team. Our certified WQA water specialists are available to help you with any questions or concerns regarding your RO-PH90 system.

Visit the [APEC WATER Store](#) for more information and products.