**Pentek 155634-43**

# Pentair Pentek EPM-10 Carbon Water Filter Instruction Manual

Model: 155634-43

## Introduction

This manual provides essential information for the installation, operation, and maintenance of your Pentair Pentek EPM-10 Carbon Water Filter. Please read these instructions carefully before beginning to ensure proper function and longevity of your filter cartridge.






Image: The Pentair Pentek EPM-10 Carbon Water Filter, a 10-inch cartridge designed for under-sink water filtration systems.

## Product Overview and Features

The Pentair Pentek EPM-10 Carbon Water Filter is an economical solution designed to improve water quality by reducing chlorine taste and odor, as well as sediment. It features a modified epsilon carbon block with bonded powdered activated carbon (PAC) for effective filtration.

- **Economical Solution:** Effectively reduces chlorine, taste, odor, and sediment.
- **Universal Fit:** Designed to fit all 10" standard and slim line housings, replacing any 10" x 2.5" carbon water filter cartridge.
- **High Porosity Design:** Maximizes carbon utilization and maintains low pressure drop, preventing premature plugging.
- **Certified Quality:** NSF International tested and certified for peace of mind.
- **Long-lasting Capacity:** Provides up to 3,000 gallons of filtered water.

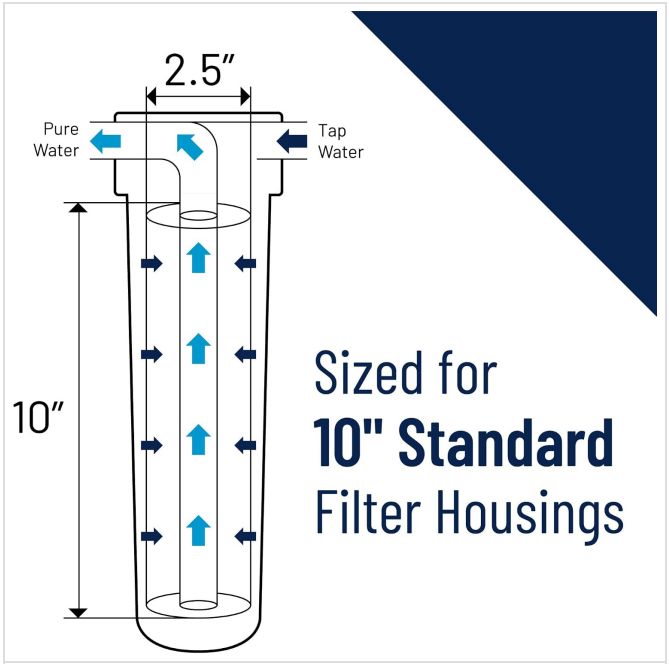



Image: Diagram illustrating the 10" x 2.5" dimensions of the filter, indicating its compatibility with standard filter housings.

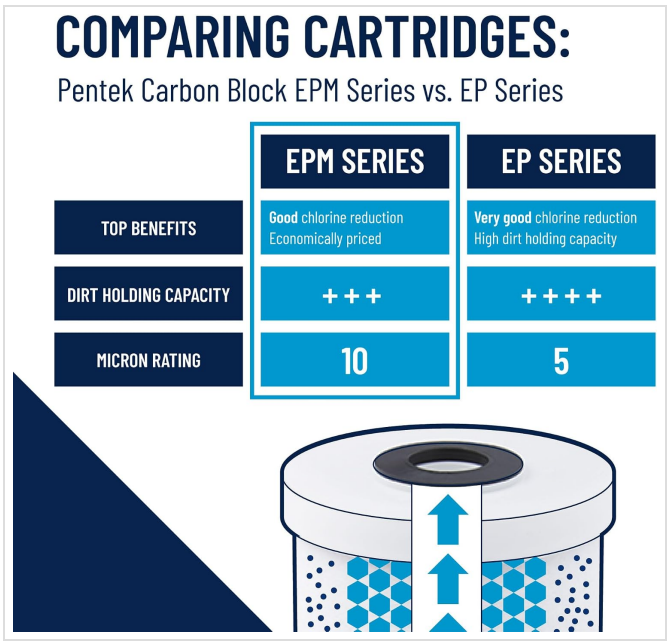



Image: A comparison chart highlighting the differences between Pentek EPM Series and EP Series cartridges, showing EPM as an economical option for chlorine reduction and sediment filtration.

## Setup and Installation

The Pentair Pentek EPM-10 filter cartridge is designed for easy replacement in compatible under-sink water filtration systems. For initial setup or replacement, follow these general steps:

1. **Prepare the Area:** Clear the space around your existing filter housing. Place a towel or tray underneath to catch any spilled water.
2. **Turn Off Water Supply:** Locate the water supply valve leading to your filter system and turn it off.
3. **Release Pressure:** If your filter housing has a red pressure relief button, press it to release any trapped air and water pressure. If not, open a nearby faucet to relieve pressure until water flow stops.
4. **Unscrew Housing:** Use a compatible filter wrench to unscrew the filter housing from the cap. Carefully lower the

housing and empty any remaining water into a sink or bucket.

5. **Remove Old Cartridge:** Discard the old filter cartridge.
6. **Clean Housing:** Wash the inside of the filter housing with dish soap and warm water. Use a sponge or soft brush to scrub thoroughly. Rinse the housing completely to remove all soap residue.
7. **Disinfect (Optional but Recommended):** For disinfection, fill the housing one-third full with water and add one tablespoon of household bleach. Scrub the inside of the filter housing with a clean brush or sponge. Rinse thoroughly with warm water to remove all bleach.
8. **Inspect O-Ring:** Remove the large O-ring from the housing. Wipe it clean and inspect it for any signs of damage, cracks, or wear. If damaged, replace it with a new O-ring.
9. **Lubricate O-Ring:** Apply a thin layer of clean, food-grade silicone grease (not petroleum jelly) to the O-ring. This helps ensure a proper seal and makes future removal easier.
10. **Reinstall O-Ring:** Carefully seat the lubricated O-ring back into its groove in the filter housing, ensuring it is level and not twisted.
11. **Insert New Cartridge:** Remove all packaging from your new Pentair Pentek EPM-10 filter cartridge. Insert the new cartridge into the housing, ensuring it is properly centered. If the cartridge has gaskets, ensure they are installed correctly on the cartridge before inserting.
12. **Screw Housing Back On:** Carefully screw the filter housing back onto the cap. Hand-tighten only; do not overtighten. Ensure the cap's standpipe is located in the center of the cartridge.
13. **Restore Water Supply:** Slowly turn on the water supply valve to the filter system.
14. **Release Trapped Air:** If your housing has a pressure relief button, press it again to allow any trapped air to escape until water begins to flow steadily.
15. **Check for Leaks:** Carefully inspect all connections for any leaks.
16. **Flush Cartridge:** Open a nearby faucet and flush the new cartridge for at least 10 minutes to remove any carbon fines or air. The water may appear cloudy initially, which is normal and will clear up with continued use.

## Operating Instructions

Once installed, your Pentair Pentek EPM-10 Carbon Water Filter operates automatically as water flows through your system. The filter works by passing water through its carbon block, which adsorbs chlorine and other contaminants responsible for taste and odor, while also trapping sediment particles.
For optimal performance, ensure that the water flow rate does not exceed the recommended limits for your system. The filter is designed to maintain a low pressure drop, ensuring consistent water flow.

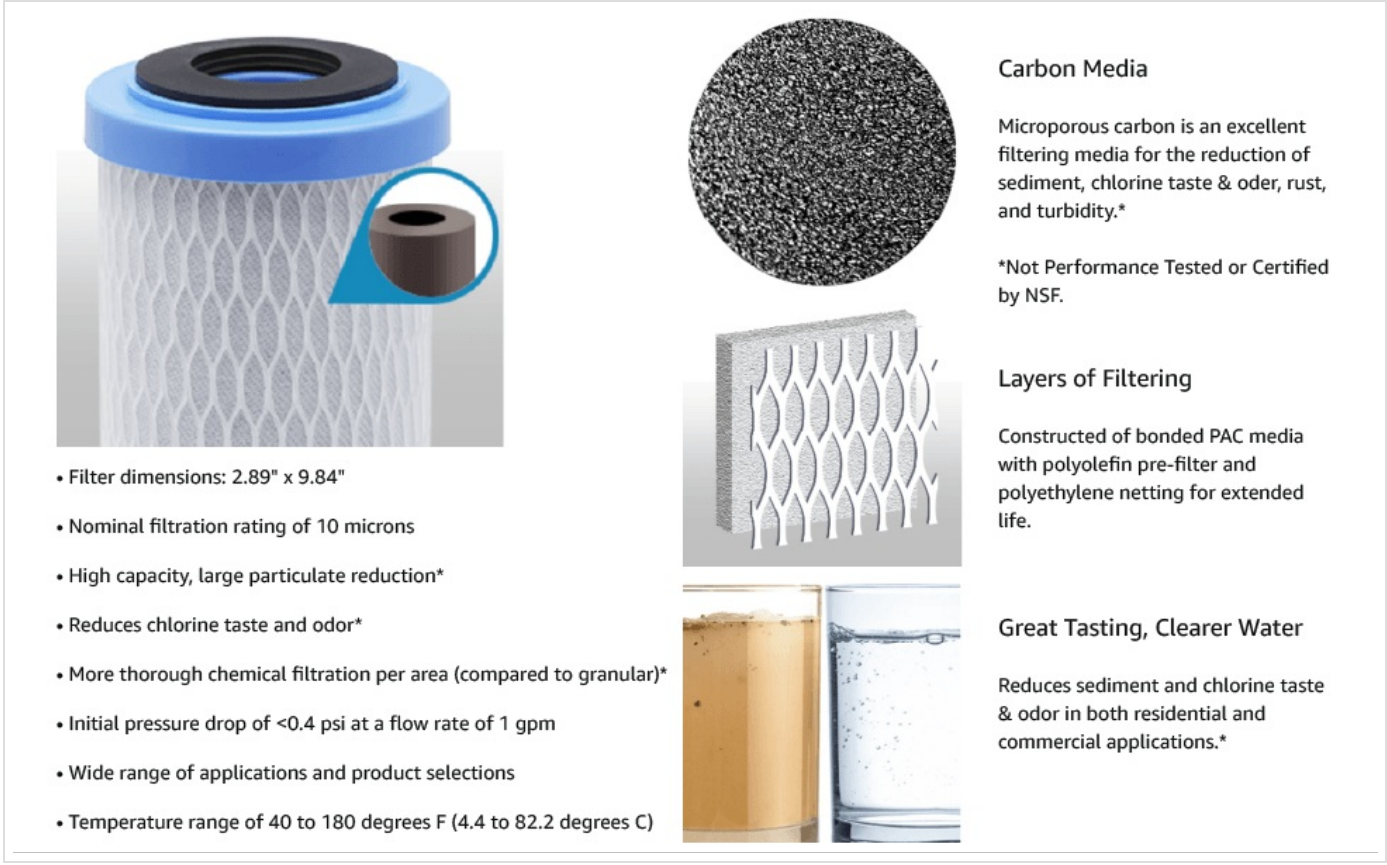



Image: An illustration detailing the internal structure of a carbon filter, showing carbon media and layers of filtering for sediment and chlorine reduction.

## Maintenance

Regular maintenance, primarily filter replacement, is crucial for ensuring the continued effectiveness and performance of your Pentair Pentek EPM-10 Carbon Water Filter.

### Filter Replacement Schedule:

The EPM-10 filter cartridge has a 3,000-gallon capacity. It should be replaced every 3 months, or sooner if you notice a significant drop in water pressure or a return of undesirable taste or odor in your filtered water. Water quality and usage can affect filter lifespan.




Image: A visual reminder to replace the filter every 3 months or when a drop in pressure or quality is noticed, to maintain optimal performance.

### Cleaning the Filter Housing:

During each filter replacement, it is recommended to thoroughly clean the filter housing as described in the "Setup and Installation" section (steps 5-7) to prevent bacterial growth and maintain system hygiene.

## TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---|---|---|
| Reduced Water Flow | Clogged filter cartridge; trapped air in system. | Replace filter cartridge; release trapped air by pressing the pressure relief button or opening a faucet. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Undesirable Taste/Odor Returns | Filter cartridge has reached its capacity. | Replace filter cartridge. |
| Water Leaks from Housing | Improperly seated O-ring; damaged O-ring; overtightened housing. | Turn off water, unscrew housing, inspect and re-seat/replace O-ring, apply silicone grease, hand-tighten only. |
| Cloudy Water After Replacement | Air trapped in the system or carbon fines from new filter. | Flush the cartridge for 10-15 minutes until water clears. This is normal and will dissipate. |

## Specifications

**Model Number:** 155634-43

**Material:** Extruded Carbon Block

**Product Dimensions:** 3"D x 10"W x 3"H

**Item Weight:** 1 Pounds

**Filtration Rating:** Nominal 10 Micron

**Product Benefits:** Reduces Chlorine, Taste & Odor, Sediment

**External Testing Certification:** NSF, ANSI

**Manufacturer:** Pentair Industries

**Country of Origin:** China

## Warranty and Support

For specific warranty information regarding your Pentair Pentek EPM-10 Carbon Water Filter, please refer to the documentation included with your product at the time of purchase or visit the official Pentair website. Warranty terms and conditions may vary.

Should you require further assistance, technical support, or have questions not covered in this manual, please contact Pentair customer service. You can find contact information and additional resources by visiting the Pentek Store on Amazon or the official Pentair website.

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**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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