Pentek ChlorPlus-Protect 10

Pentair Pentek ChlorPlus Protect 10 Carbon Water Filter User Manual

Brand: Pentek | **Model:** ChlorPlus-Protect 10

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1. Product Overview

The Pentair ChlorPlus Protect 10 Cartridge is designed to provide extremely fine filtration, effectively reducing a wide range of contaminants. This includes chlorine taste and odor, and up to 98% of PFOA/PFOS, often referred to as "forever chemicals." Utilizing superior carbon block technology, this professional-grade cartridge is ideal for applications requiring optimal contaminant reduction and high capacity. It is compatible with most standard 10-inch undersink housings.



Figure 1: Top view of the Pentair ChlorPlus Protect 10 Carbon Water Filter. This image displays the distinct blue outer ring and black inner core, with a white central opening.

2. Key Features

- **Superior Carbon Block Technology:** Provides premium reduction of sediment, chlorine, chloramine, and PFOA/PFOS for fresher, cleaner, and better-tasting water.
- **PFOA/PFOS Reduction:** Certified by IAPMO R&T against NSF/ANSI 53 for the reduction of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) by up to 98% when used in a ChlorPlus Protect 10 System.
- **Extremely Fine Filtration:** Achieves 1-micron filtration, suitable for applications demanding optimal contaminant reduction and high capacity.
- **Powerful Water Protection:** Ensures cleaner, more refreshing water directly from your tap.
- **1,000 Gallon Capacity:** Recommended replacement every 4-5 months or when a noticeable drop in water pressure or water quality occurs. Filter life is dependent on usage and incoming water quality.

3. Installation & Filter Replacement

Periodic filter replacement is crucial to ensure your system continues to provide high-quality water. Replace the filter cartridge at least once per year, or when you observe a change in water appearance, taste, or a substantial reduction in flow. The replacement process is straightforward, but a water treatment professional or plumber can assist if needed.

Required Tools and Materials:

- Dish towel or tray
- Compatible filter wrench

- Tablespoon
- Bleach (unscented household bleach)
- Food-grade silicone grease (do NOT use petroleum jelly)
- Scrub brush
- Rubber gloves
- Sponge or cloth
- New Pentair ChlorPlus Protect 10 Carbon Water Filter cartridge

Step-by-Step Replacement Guide:

1. **Prepare the Area:** Remove any items from the area around the filter housing that should not get wet. Place a towel or tray underneath the system to catch any excess water.
2. **Turn Off Water Supply:** Locate and turn off the water supply to your filter system.
3. **Release Pressure:** If your filter housing has a red pressure relief button, press it to release trapped pressure. Alternatively, open a nearby faucet to relieve pressure until water flow stops, then close the faucet.
4. **Unscrew Housing:** Use a compatible filter wrench to unscrew the filter housing.
5. **Empty and Clean Housing:** Empty any remaining water from the housing into a sink. Remove the used filter cartridge and discard it.
6. **Remove and Inspect O-Ring:** Carefully remove the large O-ring from the housing. Wipe it clean and inspect it for any signs of damage (cracks, tears, stretching). If damaged, replace it with a new one.
7. **Clean and Disinfect Housing:** Wash the filter housing with dish soap and warm water using a sponge or cloth. For disinfection, fill the housing one-third with water and add one tablespoon of unscented household bleach. Scrub the interior with a brush, then rinse thoroughly with warm water.
8. **Lubricate O-Ring:** Lubricate the O-ring with clean, food-grade silicone grease. Do not use petroleum jelly.
9. **Reinstall O-Ring:** Insert the lubricated O-ring back into its groove in the housing, ensuring it is seated level and correctly.
10. **Insert New Cartridge:** Remove all packaging from your new Pentair ChlorPlus Protect 10 Carbon Water Filter cartridge and insert it into the housing. If the cartridge has gaskets, ensure they are properly installed before inserting.
11. **Screw Housing Back On:** Screw the bottom of the housing onto the cap. Ensure the cap's standpipe is correctly located in the center of the cartridge. Hand-tighten the housing, then use the filter wrench for an additional 1/4 to 1/2 turn to ensure a snug fit. Do not overtighten.
12. **Restore Water Supply:** Slowly turn on the water supply to the filter.
13. **Release Trapped Air (if applicable):** If your system has a pressure relief button, press it again to allow any trapped air to escape.
14. **Check for Leaks:** Carefully inspect the filter housing for any leaks.
15. **Flush Cartridge:** Open a nearby faucet and flush the new cartridge for 10 minutes. Water may appear cloudy initially due to trapped air; this is normal and should clear after a short period of use.

Instructional Video:

Your browser does not support the video tag.

Video 1: Filter Cartridge Replacement - Undercounter Water Filtration. This video provides a visual guide on how to replace your water filter cartridge, including preparation, cleaning, and reinstallation steps.

4. Maintenance

Regular maintenance ensures the optimal performance and longevity of your Pentair ChlorPlus Protect 10 Carbon Water Filter. The primary maintenance task is the timely replacement of the filter cartridge and cleaning of the housing.

- **Cartridge Replacement:** Replace the filter cartridge every 4-5 months, or after filtering 1,000 gallons, whichever comes first. This interval may vary based on your local water quality and usage. Signs that a replacement is due include reduced water flow, or a return of undesirable tastes or odors.
- **Housing Cleaning:** During each cartridge replacement, thoroughly clean the filter housing with dish soap and warm water. Disinfect the housing with a mild bleach solution (1 tablespoon of unscented household bleach per one-third full housing of water) and rinse thoroughly.
- **O-Ring Inspection:** Always inspect the O-ring for wear or damage during replacement. Lubricate it with food-grade silicone grease to maintain a proper seal and prevent leaks. Replace the O-ring if any damage is observed.

5. Product Specifications

Specification	Detail
Model Number	ChlorPlus-Protect 10
Material	Carbon
Product Dimensions (D x W x H)	2.5"D x 2.5"W x 10"H
Filtration Micron Rating	1 Micron
Product Benefits	Reduces sediment, chlorine, chloramine, PFOA/PFOS
External Testing Certification	ANSI, NSF (Certified by IAPMO R&T against NSF/ANSI 53 for PFOA/PFOS reduction)
Capacity	1,000 Gallons (approx. 4-5 months)
Manufacturer	Pentair
Brand Name	Pentek
UPC	051678024423

6. Troubleshooting

If you encounter issues with your water filter, consider the following common troubleshooting steps:

- **Reduced Water Flow:**
  - Check if the filter cartridge is due for replacement. A clogged filter is the most common cause of reduced flow.
  - Ensure the water supply valve to the filter is fully open.
  - Verify that the pressure relief button (if present) was properly used during installation to release trapped air.
- **Unpleasant Taste or Odor Returns:**
  - This indicates the filter cartridge has reached its capacity and needs to be replaced.
  - Ensure the new cartridge was properly flushed for 10 minutes after installation.

- **Leaks Around Housing:**
  - Turn off the water supply immediately.
  - Check if the O-ring is properly seated in its groove and is not pinched or damaged.
  - Ensure the O-ring was lubricated with food-grade silicone grease.
  - Verify the housing is tightened correctly with the filter wrench (do not overtighten).
  - If the O-ring is damaged, replace it.
- **Cloudy Water After Replacement:**
  - This is usually due to trapped air in the system. Continue flushing the filter for a few more minutes. The cloudiness should dissipate.

7. Warranty and Support

For specific warranty information, technical support, or to purchase replacement parts, please refer to the official Pentair website or contact their customer service directly. Keep your purchase receipt and product model number handy when contacting support.
Pentair Official Website: www.pentair.com

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