Pentair 170102

Pentair 170102 Cartridge Replacement for FullFloXF C620 Filter User Manual

Model: 170102

1. Introduction

This manual provides instructions for the proper installation, operation, and maintenance of the Pentair 170102 Replacement Cartridge for FullFloXF C620 Swimming Pool & Spa High-Efficiency, High Capacity Cartridge Filters. Adhering to these guidelines will ensure optimal performance and longevity of your filter system.
The Pentair 170102 cartridge is designed for high filtration efficiency, capturing dirt, debris, and contaminants to maintain clean and clear pool water. It features safe materials, thick filtration fabric, heavy chlorine resistance, break-resistant end caps, and reinforced center support.

2. Safety Information

Always disconnect power to the pump before performing any maintenance or installation on the filter system. Follow all local and national electrical and plumbing codes. Ensure the filter system is depressurized before opening the filter housing.

3. Installation (Cartridge Replacement)

1. **Prepare the Filter System:** Turn off the pool pump and close all valves to isolate the filter. Open the air relief valve on top of the filter to release any pressure.
2. **Open the Filter Housing:** Remove the clamp or lid securing the filter housing. Carefully lift the lid and set it aside.
3. **Remove Old Cartridge:** Grasp the old filter cartridge and lift it straight out of the filter tank. Dispose of the old cartridge responsibly.
4. **Clean the Filter Tank:** Inspect the inside of the filter tank and clean any debris. Check the O-ring on the filter lid for

cracks or wear; replace if necessary. Lubricate the O-ring with a silicone-based lubricant.

5. **Install New Cartridge:** Carefully lower the new Pentair 170102 replacement cartridge into the filter tank. Ensure it seats properly on the bottom manifold.
6. **Secure the Filter Housing:** Replace the filter lid and secure the clamp or lid according to the manufacturer's instructions for your specific filter model. Ensure a tight seal.
7. **Restart the System:** Open the valves to the filter system. With the air relief valve open, turn on the pool pump. Once a steady stream of water emerges from the air relief valve, close it. Check for leaks.



Figure 1: The Pentair 170102 replacement filter cartridge, a cylindrical component with pleated white filter media and blue end caps, ready for installation into the filter housing.

4. Operation

The Pentair 170102 cartridge operates as a passive filtration component within your pool or spa's circulation system. Water flows through the pleated filter media, where impurities are trapped, and clean water is returned to the pool. Monitor your filter pressure gauge; a rising pressure indicates the cartridge is collecting debris and may need replacement.

Under normal conditions, the filter cartridge life is approximately three (3) years. This duration can vary based on factors such as bather load, environmental dust, and overall pool conditions.

5. Maintenance

The Pentair 170102 is a replacement cartridge designed for long-term use. Unlike some filter types, these cartridges are typically replaced rather than routinely cleaned. Regular inspection of the cartridge and monitoring of filter pressure are key maintenance activities.

- **Pressure Monitoring:** Note the clean operating pressure of your filter system. When the pressure rises 8-10 PSI above this clean pressure, it indicates the cartridge is saturated with debris and its filtration efficiency is reduced. This is a primary indicator for replacement.
- **Visual Inspection:** Periodically inspect the cartridge for tears, damage, or excessive buildup that cannot be removed.
- **Replacement Schedule:** Replace the cartridge every 1-3 years, or sooner if performance degrades significantly or damage is observed.

6. Troubleshooting

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged filter cartridge; air in system.	Replace cartridge; check for air leaks in plumbing, ensure proper priming of pump.
Cloudy Pool Water	Worn out or damaged cartridge; improper water chemistry.	Replace cartridge; test and adjust pool chemistry.
Filter Pressure Too High	Cartridge is saturated with debris.	Replace cartridge.
Leaks from Filter Housing	Damaged O-ring; improper lid seating.	Inspect and replace O-ring; ensure lid is properly seated and clamped.

7. Specifications

Model Number: 170102

Product Dimensions: 40 x 7 x 7 inches

Item Weight: 2.4 ounces

Manufacturer: Pentair

Compatibility: FullFloXF C620 Swimming Pool & Spa Cartridge Filters



Figure 2: The Pentair 170102 cartridge showing its approximate length of 39-1/4 inches, measured from end to end.



Figure 3: Top view of the Pentair 170102 cartridge, indicating a 7-inch outer diameter and a 3-inch inner diameter for proper fitment.



Figure 4: Bottom view of the Pentair 170102 cartridge, showing the blue end cap and the internal support structure.

8. Warranty and Support

For warranty information and customer support, please refer to the official Pentair website or contact Pentair customer service directly. Keep your purchase receipt as proof of purchase.

Pentair Customer Support: Visit Pentair Support

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