

loosoo 160317

loosoo 160317 Single Cartridge Pool Filter Pump Assembly Instruction Manual

Model: 160317 | Brand: loosoo

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your loosoo 160317 Single Cartridge Pool Filter Pump Assembly. Please read all instructions carefully before use and retain this manual for future reference.

The loosoo 160317 Single Cartridge Pool Filter Pump Assembly is designed to provide effective filtration for your pool or spa, ensuring clear and clean water. It is compatible with Pentair Clean & Clear CC150 systems and replaces EC-160317.



Image 1.1: The loosoo 160317 Single Cartridge Pool Filter Pump Assembly, a complete unit for pool and spa filtration.

2. IMPORTANT SAFETY INFORMATION

WARNING: Failure to follow these instructions can result in serious injury or death.

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure all plumbing connections are secure and leak-free before operating the filter.
- Do not operate the filter if any part is damaged or missing.
- This filter operates under high pressure. Failure to replace the locking ring if damaged or worn, or improper assembly, can result in the lid separating from the filter, causing severe injury or death.
- Keep children away from the filter area during operation and maintenance.

3. PRODUCT OVERVIEW

The loosoo 160317 Single Cartridge Pool Filter Pump Assembly features a robust design for efficient and reliable pool water filtration.

Key Components:

- **High-Flow Manual Air Relief Valve:** Located at the top, used to release trapped air.

- **Pressure Gauge:** Monitors internal filter pressure.
- **Filter Lid:** Top cover of the filter tank.
- **Clamp Ring:** Secures the filter lid to the tank body.
- **Durable Filter Cartridges:** The primary filtration media.
- **Single-Piece Fiberglass-Reinforced Polypropylene Tank:** Chemical-resistant and durable tank body.
- **Inlet/Outlet Ports:** 1.5-inch and 2-inch interfaces for plumbing connections.
- **Drain and Washout:** 1-inch drain for easy water removal.



Image 3.1: Internal structure diagram highlighting key components like the air relief valve, filter lid, clamp ring, cartridges, and tank body.



Image 3.2: Detailed views of the pressure gauge, clamp ring, and inlet/outlet connections.

4. SPECIFICATIONS

Below are the technical specifications for the loosoo 160317 Single Cartridge Pool Filter Pump Assembly:

Feature	Specification
Model Number	160317
Compatibility	Pentair Clean & Clear CC150 (Replaces EC-160317)
Effective Filtration Area	150 Square Feet
Flow Rate	150 GPM (Gallons Per Minute)
Inlet/Outlet Interface	1.5-inch and 2-inch
Drain Size	1-inch
Material	Polypropylene, Polyvinyl Chloride
Item Weight	34.2 pounds
Product Dimensions	15.5"L x 15.5"W x 76"H

PRODUCT SPECIFICATION

Model Number : CC150

Filter Area : 150Sq. Ft

Vertical Clearance*: 76"

Filter Diameter: 15.5"

Flow Rate : 150GPM

Union Size: 2"

Color : Almond



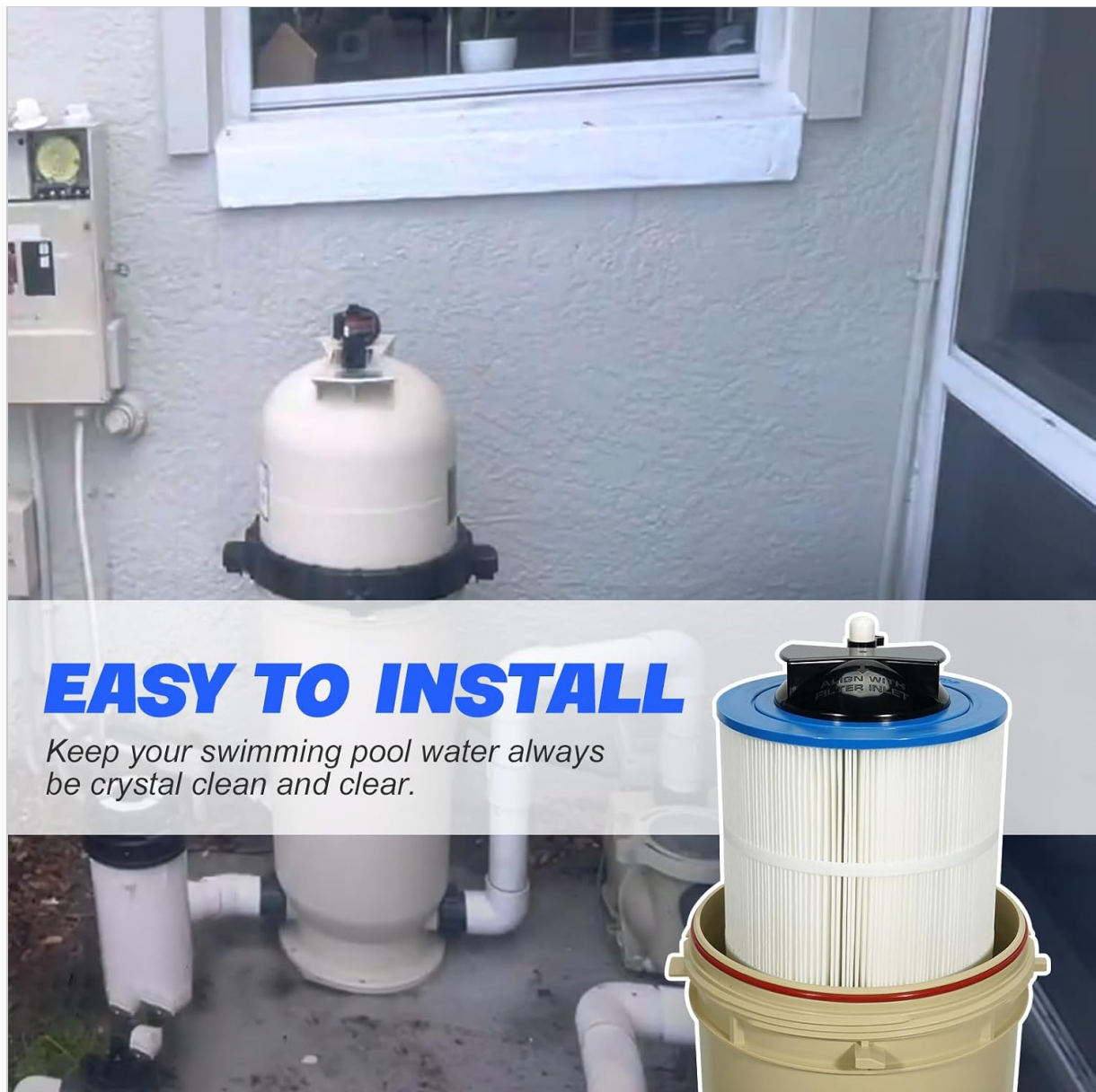
Image 4.1: Visual representation of key product specifications.

5. SETUP AND INSTALLATION

Proper installation is crucial for the filter's performance and safety. If you are unsure about any steps, consult a qualified pool professional.

Installation Steps:

1. **Placement:** Position the filter on a firm, level surface, ensuring adequate clearance for maintenance.
2. **Plumbing Connections:** Connect the pool pump's discharge to the filter's inlet and the filtered water return line to the filter's outlet. Use appropriate fittings and sealants to prevent leaks. The filter supports both 1.5-inch and 2-inch pipe sizes.
3. **Install Pressure Gauge and Air Relief Valve:** Securely thread the pressure gauge and the high-flow manual air relief valve into their designated ports on the filter lid.
4. **Cartridge Installation:** Ensure the filter cartridge is properly seated inside the tank body.
5. **Secure Lid:** Place the filter lid onto the tank body and secure it with the clamp ring. Ensure the clamp ring is properly engaged and tightened according to manufacturer specifications to prevent pressure leaks.
6. **Initial Fill:** Before starting the pump, ensure the filter tank is filled with water.



EASY TO INSTALL

Keep your swimming pool water always be crystal clean and clear.

Image 5.1: An example of a pool filter system setup, demonstrating the placement and plumbing connections.

Installation Video:

Your browser does not support the video tag.

Video 5.1: An official video from LOOSOO AUTOPARTS demonstrating the installation and overview of the loosoo 160317 Single Cartridge Pool Filter Pump.

6. OPERATING INSTRUCTIONS

Once installed, follow these steps to operate your filter system:

1. **Prime the Pump:** Ensure your pool pump is properly primed according to its manufacturer's instructions.
2. **Open Valves:** Make sure all plumbing valves are open before the pump is turned on.
3. **Start Pump:** Turn on the pool pump.
4. **Release Air:** Open the high-flow manual air relief valve on top of the filter. The air relief valve should remain open until a steady stream of water flows out and all air is expelled from the filter tank. Close the air relief valve.
5. **Check Pressure:** Note the initial clean operating pressure on the pressure gauge. This will be your

baseline for determining when cleaning is needed.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your filter. Clean or replace cellular media as outlined below when the pressure gauge reading increases 10 PSI above the clean starting pressure.

Cellular Media Filter Maintenance Instructions:

1. Stop pump and open air relief valve. Remove the drain plug.
2. Remove locking ring and tank lid.
3. Remove cellular media assembly by lifting handle on support tube.
4. Remove cellular media from support tube and clean as necessary to remove debris.
5. Clean and remove debris from inside the tank and from the O-ring and O-ring groove.
6. Replace clean cellular media on support tube and install assembly into the filter body.
7. Replace tank lid, making sure it is fully and firmly seated on tank body.
8. Replace locking ring, turning it only until it hits the stops on the filter body.
9. Be sure all plumbing valves are open before the pump is turned on.
10. Open the air relief valve. Start the pump. The air relief valve should remain open until a steady stream of water flows and all air is expelled from the filter tank.

Winterization:

To winterize, drain the system by opening the air relief valve and removing the drain plug. Remove and clean the cellular media and store it in a dry place.



Image 7.1: A visual guide to the maintenance steps for the cellular media filter.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your pool filter assembly.

Problem	Possible Cause	Solution
Low Water Flow	Clogged filter cartridge, air in the system, pump issue.	Clean or replace cartridge. Bleed air from the system. Check pump for proper operation.

High Pressure Gauge Reading	Dirty filter cartridge.	Perform filter cartridge cleaning as per maintenance instructions.
Water Leaking from Filter	Loose clamp ring, damaged O-ring, cracked tank.	Ensure clamp ring is tightened correctly. Inspect and replace O-rings if damaged. Contact support if tank is cracked.
Cloudy Pool Water	Dirty filter, improper chemical balance, insufficient filtration time.	Clean filter cartridge. Test and adjust pool chemistry. Increase pump run time.

9. WARRANTY AND SUPPORT

loosoo is committed to providing quality products. We offer carefree replacement for our products. If you have any questions or require assistance with your loosoo 160317 Single Cartridge Pool Filter Pump Assembly, please do not hesitate to contact us. Our customer service team is eager to provide you with the best possible assistance.

For support, please refer to the contact information provided with your purchase or visit the official loosoo website.