Swimline 76051

SWIMLINE HYDROTOOLS Model 76051 Sure-Flo Above-Ground Pool Cartridge Filter System

User Manual

Brand: Swimline | Model: 76051

Introduction

The SWIMLINE HYDROTOOLS Model 76051 Sure-Flo Above-Ground Pool Cartridge Filter System is designed to provide efficient and reliable filtration for above-ground pools up to 15,600 gallons. This system optimizes debris capture while maintaining consistent, energy-efficient performance, ensuring crystal clear water with reduced pump operation time. This manual provides detailed instructions for the proper setup, operation, and maintenance of your filter system.



This image shows an above-ground pool with the Hydrotools cartridge filter system installed nearby, illustrating its intended use for maintaining clear water quality.

Important Safety Information

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions could result in serious injury or property damage.

- Always disconnect power to the pump before performing any maintenance or service.
- Ensure the electrical supply matches the pump's voltage requirements (110V/60Hz).
- Do not operate the pump if the power cord is damaged.
- Keep children and pets away from the filter system during operation.
- Ensure proper ventilation around the pump to prevent overheating.
- Do not use the filter system with flammable or corrosive liquids.
- Always relieve air pressure from the filter tank before opening for maintenance.

Package Contents

Verify that all components are present before beginning installation:

- Heavy-duty filter tank
- Cartridge element (50 sq. ft.)
- Base for pump and tank
- High-efficiency 0.54 THP / 3,720 GPH pump
- (2) 1.5-inch filter connection hoses
- Adapters for connections
- Pressure gauge
- Air release valve
- Strainer basket
- All necessary hardware for assembly



This image displays all components included in the Swimline Hydrotools Model 76051 filter system package, including the filter tank, pump, cartridge element, hoses, adapters, pressure gauge, and valves.



This image details the various accessories provided with the filter system, such as the filter cartridge, pressure gauge, air relief valve, connection hoses, and various adapters for assembly.

Setup and Installation

Follow these steps for proper assembly and installation of your filter system:

Step 1: Positioning the Pump

1. Place the pump securely onto the designated area of the system base.
2. Screw the pump firmly to the base using the provided hardware.

Step 2: Preparing Adapters and Pump

1. Apply Teflon tape to all threaded accessories to ensure a watertight seal.
2. Firmly apply the adapters to the tank and pump connection points.
3. Insert the strainer basket into your pump and firmly lock the lid.

Step 3: Installing the Cartridge Tank

1. Insert the filter element into the filter tank.
2. Securely lock the tank lid until firm, ensuring an airtight seal.
3. Place the assembled tank onto the base and screw it until firm.
4. Attach the tank to the pump using the connection adapter, ensuring it is tightly secured.

Step 4: Installing Filter Hose and Pressure Gauge

1. Attach the filter connection hoses to the hose adaptors as needed and secure them with clamps.
2. Firmly thread your pressure gauge into the designated port on the tank to complete your filter system assembly.



This diagram illustrates the dimensions of the filter tank and highlights its 50 square foot filtration area, suitable for pools up to 15,600 gallons.



This image provides a close-up view of the pump, detailing its 0.54 Total Horse Power (THP), 3,720 Gallons Per Hour (GPH) capacity, and 110V/60Hz power requirements.

Operating Instructions

Efficient Water Filtration

The Hydrotools Sure-Flo Cartridge Filter is designed for optimal debris capture. Its single-cell technology equally distributes captured dirt, leading to longer filter cycles and less frequent servicing. The 50-micron filtration effectively catches hair, leaves, dust, sediment, sand, and other fine particles, ensuring crystal clear water.



This diagram illustrates the innovative filtration technology, showing unfiltered water entering the system, passing through the 50-micron filter cartridge, and exiting as crystal clear filtered water.

Pump Operation

This filtration unit features a 0.54 HP (Total Horse Power) pump capable of moving 3,720 Gallons Per Hour (GPH). The pump is optimized for low noise levels, providing a seamless filtration experience. Ensure the pump is properly primed before starting to prevent damage.

Maintenance

Regular maintenance is crucial for the longevity and efficiency of your filter system.

Filter Element Cleaning

The filter element should be cleaned regularly, depending on pool usage and debris load. The single-cell technology makes rinsing, washing, and reusing the cartridge quick and easy. Refer to the pressure gauge to determine when cleaning is necessary; a significant increase in pressure indicates a dirty filter.

Pressure Gauge and Air Release Valve

The system includes a pressure gauge to monitor the internal pressure of the filter. An increase in pressure indicates that the filter cartridge may need cleaning. The air release valve allows you to relieve air pressure from the system, which is essential before opening the filter for cleaning or inspection. The top cover features a tightening ring and latch locking system for simple element replacement and to ensure airtight performance.



This composite image shows the air relief valve, pressure gauge, ring and latch locking system, and the included filter element, all crucial components for system maintenance and operation.

Troubleshooting

This section provides general guidance for common issues. For persistent problems, contact customer support.

- **Low Water Flow:** Check for clogged skimmer or pump basket, dirty filter cartridge, or air in the system.
- **Cloudy Water:** Ensure proper chemical balance, clean the filter cartridge, and check for adequate filtration time.
- **Leaks:** Inspect all connections for proper sealing. Ensure Teflon tape is applied correctly to threaded fittings.

Check O-rings for damage.

- **Pump Not Starting:** Verify power supply, check circuit breaker, ensure pump is not air-locked.

Specifications

Attribute	Value
Brand	Swimline
Model Number	76051
Filtration Area	50 Sq. Ft.
Recommended Max. Pool Size	Up to 15,600 Gallons
Pump Horsepower (THP)	0.54 THP
Gallons Per Hour (GPH)	3,720 GPH
Power Source	110V/60Hz Single Speed Pump
Material	Plastic
Product Dimensions	30 x 21 x 15.5 inches
Item Weight	49.5 pounds
UPC	723815956606

Model #	Filtration Area	Recommended Max. Pool Size	Gallons Per Hour (GPH)	Replacement Element #
70026	8 Square Feet	9,000 Gallons	2,220 GPH	71005 (5 Microns)
70151	40 Square Feet	19,000 Gallons	4,500 GPH	71005 (x5) (5 Microns)
76051	50 Square Feet	15,600 Gallons	3,720 GPH	77050 (50 Microns)
76071	70 Square Feet	19,000 Gallons	4,500 GPH	77070 (50 Microns)
76101	100 Square Feet	21,000 Gallons	4,980 GPH	77100 (50 Microns)

This table provides a comparison of different Hydrotools filter models, detailing their model number, filtration area, recommended maximum pool size, gallons per hour (GPH), and replacement element number.

Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official Swimline website. Keep your proof of purchase for any warranty claims.

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Example: How do I reset this device or fix this error?

Details

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

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