

**FOTING FT-CLP5503**

# FOTING Sand Filter Pump User Manual

Model: FT-CLP5503

Brand: FOTING

## 1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your FOTING Sand Filter Pump. Designed for above-ground pools, this system ensures efficient filtration and circulation, contributing to crystal-clear pool water. Please read this manual thoroughly before installation and operation to ensure safe and effective use of the product.

## 2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of injury, fire, or electric shock.

- Disconnect power before servicing or performing any maintenance.
- Ensure the pump is installed on a solid, level surface.
- Do not operate the pump if the power cord or plug is damaged.
- Keep children and pets away from the pump during operation.
- This appliance is for pool water filtration only. Do not use for other liquids.
- Ensure all electrical connections comply with local codes and regulations.
- Never run the pump dry. Ensure it is primed with water before starting.

## 3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking.

PRODUCT SPECIFICATION

1 * User manual
1 * Warranty Card
1 * Pressure Gauge
1 * Drain Piece
1 * Pair of Flange Clamps
1 * O-ring
1 * Allen Wrench
1 * NPT 1-1/2 Female Connectors
1 * Sealing Tape
1 * Hose Clamps
1 * Sand Cover
1 * Sylphon Bellows
1 * Filter Assembly
1 * Base
1 * Valve Head Assembly
1 * Cylinder
1 * Screws & Nuts



The image displays the complete set of items included with your FOTING Sand Filter Pump, illustrating the main unit along with all accessories and parts necessary for assembly and operation. This visual guide helps confirm you have received all components.

- User Manual
- Warranty Card
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4. PRODUCT OVERVIEW

The FOTING Sand Filter Pump is a robust filtration system designed for optimal pool water clarity. It features a powerful pump and a durable filter tank with a multi-port valve for various operational modes.



This image shows the complete FOTING Sand Filter Pump unit, including the blue filter tank, black pump motor, connecting hose, and additional accessories like filter balls and hose clamps. It provides a clear visual of the product's main components.



The diagram illustrates key performance specifications of the pump, including its 3800 GPH flow rate, suitability for pools up to 13000 gallons, 13-inch tank diameter with 66 lbs sand capacity, inclusion of 200g filter balls, and the presence of a built-in timer for convenient control.

## Key Features:

- **6-Function Control Valve:** Allows for Filter, Backwash, Rinse, Recirculate, Waste, and Close operations.
- **High Flow Rate:** Up to 3800 GPH, suitable for pools up to 13000 gallons.
- **Durable Construction:** UV-resistant tank and corrosion-resistant components.
- **Energy Efficient:** 1 HP motor with 110-120V operation.
- **Built-in Timer:** Customizable filtration cycles.

## 5. SETUP AND INSTALLATION

Follow these steps for proper installation of your sand filter pump:

1. **Choose Location:** Select a firm, level surface as close to the pool as possible. Ensure adequate drainage and protection from direct weather exposure.
2. **Assemble Base and Tank:** Securely attach the filter tank to the pump base using the provided hardware.
3. **Add Filter Media:** Carefully add the recommended amount of filter sand (or filter balls) into the tank. Ensure the standpipe is centered during this process.
4. **Install Valve Head:** Place the 6-way valve head onto the tank, ensuring the O-ring is properly seated. Secure it with the flange clamp.
5. **Connect Hoses:** Connect the pump's inlet to the pool's skimmer/main drain and the pump's outlet to the pool's return line. Use hose clamps to secure all connections.
6. **Connect Pressure Gauge:** Install the pressure gauge into the designated port on the valve head.
7. **Prime the Pump:** Before starting, ensure the pump is filled with water to prevent dry running.
8. **Electrical Connection:** Connect the pump to a grounded electrical outlet. Ensure the power supply matches the pump's voltage requirements (110-120V).

## 6. OPERATING INSTRUCTIONS

The FOTING Sand Filter Pump features a 6-way valve and a built-in timer for versatile operation.

### 6.1. 6-Way Valve Functions

The multi-port valve allows you to select different modes of operation. **Always turn off the pump before changing valve positions.**



This image visually represents the six operational modes of the multi-port valve, along with a pressure gauge. Each mode is clearly labeled, indicating its specific function for pool maintenance.

- **FILTER:** Normal filtering mode. Water flows through the sand bed, trapping debris.
- **BACKWASH:** Reverses water flow to clean the sand bed and flush trapped debris out through the waste port.
- **RINSE:** Used after backwashing to settle the sand bed and flush out any remaining dirty water from the valve.
- **WASTE:** Bypasses the filter and sends water directly out the waste port, useful for vacuuming heavy debris or lowering pool water level.
- **RECIRCULATE:** Bypasses the filter and circulates water directly back to the pool, useful for mixing chemicals without filtering.
- **CLOSED:** Shuts off all flow to the filter and pump. Use for servicing the pump or filter.

## 6.2. Timer Settings

The built-in timer allows for automated filtration cycles.



This image displays the digital timer interface, showing options for setting filtration duration from 1 to 20 hours, and selecting between single or continuous cycle modes. It highlights the ease of programming for automated operation.

- **Setting Time:** Use the control panel to select desired operating hours (1, 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 hours).
- **Cycle Modes:** Choose between Single Cycle Mode (runs once for the set duration) or Continuous Cycle Mode (runs continuously until manually stopped).
- Refer to the timer section in the full user manual for detailed programming steps.

## 6.3. Filtration Performance

### POWERFUL FILTERING ABILITY

Get a crystal clear pool in no time



The visual comparison clearly demonstrates the effectiveness of the FOTING Sand Filter Pump, showing a pool transforming from a cloudy, green state to a sparkling, clear blue after filtration. This highlights the pump's powerful ability to clean and clarify pool water.

The FOTING Sand Filter Pump is designed to remove particles down to 20 microns, ensuring your pool water remains clean and inviting. Regular operation, combined with proper chemical balance, will maintain optimal water quality.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your FOTING Sand Filter Pump.



This image highlights the user-friendly design of the pump for maintenance, showcasing the accessible control panel for timing, the easily removable filter basket for debris cleaning, the intuitive 6-function valve for operational changes, and the clear cover for visual inspection of internal components.

- **Backwashing:** Perform backwashing when the pressure gauge reads 8-10 PSI above its clean operating pressure, or when water flow significantly decreases.
- **Rinsing:** Always rinse for 30-60 seconds after backwashing to prevent dirty water from returning to the pool.
- **Filter Basket Cleaning:** Regularly check and clean the pump's pre-filter basket to remove large debris. Turn off the pump and release pressure before opening.
- **Winterization:** Before freezing temperatures, drain all water from the pump, filter, and hoses. Store the pump in a dry, protected area.
- **Sand Replacement:** Filter sand typically needs replacement every 3-5 years, depending on usage.

## 8. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Pump not starting	No power; tripped breaker; motor issue	Check power connection, reset breaker; consult professional if motor is faulty.
Low water flow	Clogged skimmer/pump basket; dirty filter sand; air leak in suction line	Clean baskets; backwash/rinse filter; check all connections for leaks.

Problem	Possible Cause	Solution
Water not clearing	Insufficient filtration time; improper chemical balance; dirty filter	Increase run time; test and adjust pool chemicals; backwash/rinse filter.
Air in pump/filter	Loose connections; low pool water level; cracked housing	Tighten all fittings; ensure adequate pool water level; inspect for damage.
Loud noise from pump	Cavitation (air in pump); worn bearings; debris in impeller	Check for air leaks; inspect impeller for obstructions; professional service may be required.

If the problem persists after attempting these solutions, please contact FOTING customer support.

## 9. SPECIFICATIONS

Detailed technical specifications for the FOTING Sand Filter Pump (Model FT-CLP5503).

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- 1 \* Base
- 1 \* Valve Head Assembly
- 1 \* Cylinder
- 1 \* Screws & Nuts



The image provides a visual representation of the pump's dimensions and lists various components included in the package, serving as a quick reference for physical attributes and parts.

Feature	Detail
Model Number	FT-CLP5503
Brand	FOTING
Power Source	AC
Voltage	110-120V / 60Hz
Pump Power	1 HP
Max Flow Rate	3800 GPH
Max Head	44 ft



Feature	Detail
Tank Diameter	13 inches
Sand Capacity	66 lbs
Suitable Pool Capacity	Up to 13000 gallons
Control Valve	6-Way Multi-Port Valve
Timer	Built-in, 10 time settings (1-20 hours)
Material	Stainless Steel (pump components), UV-resistant plastic (tank)
Item Weight	29.7 pounds
Package Dimensions	23.7 x 19.6 x 15.2 inches

## 10. WARRANTY AND SUPPORT

Your FOTING Sand Filter Pump is backed by a **three-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

### What the Warranty Covers:

- Manufacturing defects.
- Malfunctions occurring during normal operation within the warranty period.

### What the Warranty Does NOT Cover:

- Damage caused by improper installation, misuse, abuse, or neglect.
- Damage from unauthorized repairs or modifications.
- Normal wear and tear.
- Damage due to freezing or improper winterization.

### Customer Support:

For technical assistance, warranty claims, or any questions regarding your FOTING Sand Filter Pump, please contact our customer service team. Refer to the warranty card included in your package for specific contact details or visit the official FOTING website.

Please have your model number (FT-CLP5503) and purchase date ready when contacting support.

## 11. VIDEO RESOURCES

Currently, no official product videos from the seller are available for embedding in this manual. Please refer to the written instructions and diagrams for guidance.



