

**FOTING FT-CLP5502**

# FOTING 12" Sand Filter Pump Instruction Manual

Model: FT-CLP5502 | Brand: FOTING

## 1. SAFETY INFORMATION

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

- This pump has been evaluated for use with water only. Do not use with other liquids.
- To reduce risk of electric shock, do not plug into power while standing on a wet or damp surface.
- To reduce risk of electric shock, connect only to a properly grounded grounding-type receptacle.
- To reduce the risk of electric shock, install only on a circuit protected by a Ground Fault Circuit Interrupter (GFCI).
- Always disconnect power before servicing the pump or filter system.
- Keep children and unauthorized persons away from the pump and pool area during operation.

## 2. PRODUCT OVERVIEW

The FOTING 12" Sand Filter Pump is designed to provide efficient and thorough filtration for above-ground pools up to 8000 gallons, ensuring crystal-clear water. It features a robust 1/2 HP motor and a versatile 6-way valve.



Image: The FOTING 12" Sand Filter Pump system, including the blue filter tank, black pump, pressure gauge, hoses, clamps, and filter balls.

### Key Features:

- **Customized Filtration:** Choose from 10 time settings and single or continuous cycles for efficient operation.
- **Maximum Flow Rate:** Impressive 3000 GPH flow rate, ideal for pools up to 8000 gallons.
- **Enhanced Durability:** Boasts a 44 lb sand capacity for long-lasting, efficient filtration.
- **Exceptional Performance:** Equipped with a robust 1/2 HP motor and 27 ft maximum head for optimal water circulation.
- **6-Way Valve:** Adaptable for various filtration needs, ensuring a pristine pool environment.

### Components Included:

# 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



Image: A detailed diagram listing and illustrating the components included with the FOTING sand filter pump, along with its overall dimensions.

- User manual
- Warranty Card
- Pressure Gauge
- Drain Piece
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- O-ring
- Allen Wrench
- NPT 1-1/2 Female Connectors
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- Sylphon Bellows
- Filter Assembly

- Base
- Valve Head Assembly
- Cylinder
- Screws & Nuts

### 3. SETUP

Proper setup is crucial for the optimal performance and longevity of your FOTING sand filter pump. Follow these steps carefully.

#### Assembly Steps:

1. Place the filter tank on a firm, level surface near your pool.
2. Install the pump onto the base, ensuring it is securely fastened.
3. Connect the pump to the filter tank using the provided hoses and clamps. Ensure all connections are tight to prevent leaks.
4. Attach the 6-way valve head assembly to the top of the filter tank.
5. Connect the pool hoses to the appropriate inlets and outlets on the pump and filter system.

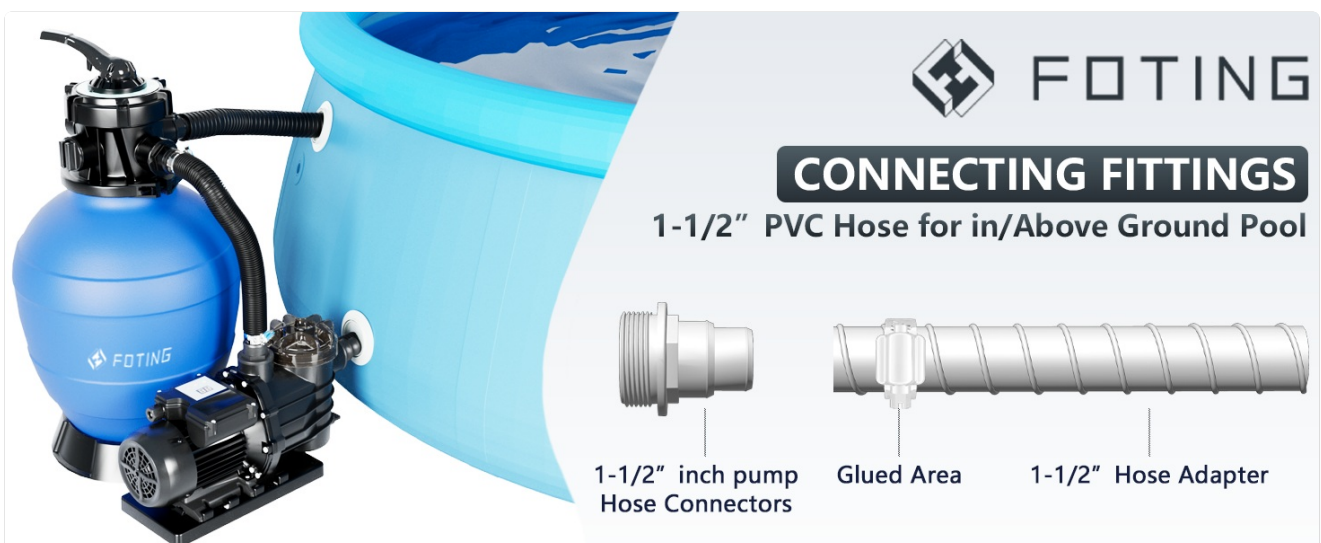


Image: Illustration of the 1-1/2 inch pump hose connectors and hose adapters for connecting the filter system to an in/above ground pool.

#### Filling the Filter Tank:

Before operating, the filter tank must be filled with the appropriate filter media. This model is designed for sand or filter balls.

- Ensure the drain plug is securely closed.
- Carefully add the recommended amount of filter sand (up to 44 lbs) or filter balls (200g included) into the tank.
- Do not overfill the tank.



# 3000 GPH LARGE FLOW

Efficiently filter  
recycle pool water



**Water Capacity**  
2800 gal-8000 gal



**Sand Capacity**  
12in/44 lbs



**Filter Balls**  
200g Included



**Built-in Time/Control**  
**Yes**



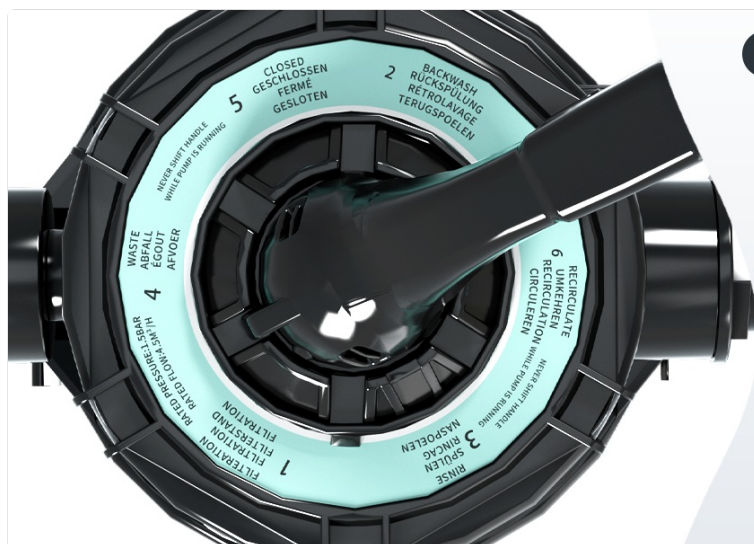
Image: The FOTING sand filter pump highlighting its large flow rate of 3000 GPH, suitable for 2800-8000 gallon pools, with a 12-inch/44 lbs sand capacity and built-in timer.

## 4. OPERATING INSTRUCTIONS

The FOTING sand filter pump features a 6-way valve for various functions and an intelligent timing system for automated operation.

### 6-Way Valve Functions:

The multi-port valve allows you to perform different operations by rotating the handle to the desired position. Always turn off the pump before changing valve positions.



- 1 FILTER**  
Clean water through sand
- 2 BACKWASH**  
Reverses flow to clean filter
- 3 RINSE**  
Clears debris after backwashing
- 4 WASTE**  
Removes pool water directly
- 5 CLOSED**  
Stops water flow • Never use while pump is on
- 6 RECIRCULATE**  
Mixes pool water without filtering

Image: A visual guide to the 6-way valve, detailing each position and its corresponding function for pool water management.

1. **FILTER:** Normal filtering mode. Water passes through the filter media and returns to the pool.
2. **BACKWASH:** Reverses water flow through the filter to clean the filter media. Water is discharged to waste.
3. **RINSE:** Used after backwashing to flush out any remaining debris from the filter and lines before returning to FILTER mode. Water is discharged to waste.
4. **WASTE:** Bypasses the filter and pumps water directly out of the pool to waste. Useful for lowering water level or vacuuming heavy debris.
5. **CLOSED:** Shuts off all flow to the filter and pump. **Never use while the pump is running.**
6. **RECIRCULATE:** Bypasses the filter and circulates water directly back to the pool. Useful for mixing chemicals without filtering.

### Intelligent Timing System:

The pump features a 24-hour dual-mode intelligent timing system, allowing you to set specific operating schedules.

## 24-HOUR DUAL-MODE INTELLIGENT TIMING

Designed with you in mind for convenient use

# Select TWO MODE

**Single Cycle Mode**

**Continuous Cycle Mode**

Image: An illustration of the pump's control panel, detailing the two timing modes: Single Cycle Mode for a set duration and Continuous Cycle Mode for ongoing operation.

- **Single Cycle Mode:** Set a specific duration for the pump to run (e.g., 8 hours). The pump will run for the set time and then turn off.
- **Continuous Cycle Mode:** The pump will run continuously until manually turned off or the timer is reset.
- Refer to the control panel (image below) for setting the timer.



Image: A close-up view of the FOTING pump's control panel, showing the digital display for time settings and the power and mode selection buttons.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your FOTING sand filter pump.

### Backwashing and Rinsing:

Backwash and rinse the filter regularly, especially when the pressure gauge reading increases by 5-10 PSI above its clean operating pressure, or when water flow to the pool decreases significantly.

- Turn off the pump.
- Set the 6-way valve to 'BACKWASH'.
- Turn on the pump and run until the water in the sight glass (if present) runs clear (typically 2-3 minutes).
- Turn off the pump.
- Set the 6-way valve to 'RINSE'.
- Turn on the pump and run for 30-60 seconds to flush the lines.
- Turn off the pump.
- Set the 6-way valve back to 'FILTER' for normal operation.



Image: A close-up view of the pressure gauge, which indicates the internal pressure of the filter system and helps determine when backwashing is needed.

### Filter Media Replacement:

Sand filter media typically needs replacement every 3-5 years, depending on usage and water quality. Filter balls may need cleaning or replacement more frequently based on their condition.



Image: A pyramid of white filter balls, indicating the type of filter media used in the system.

### Winterization:

Before freezing temperatures, drain all water from the pump, filter, and hoses. Store the pump and filter in a dry, protected area to prevent freeze damage.

## 6. TROUBLESHOOTING

If you encounter issues with your FOTING sand filter pump, refer to the common problems and solutions below.

Problem	Possible Cause	Solution
Low Water Flow / Poor Filtration	Clogged filter media; Air in system; Clogged skimmer/pump basket; Low water level in pool.	Backwash and rinse filter; Check for air leaks in hoses/connections; Clean skimmer/pump basket; Add water to pool.
Cloudy Pool Water	Insufficient filtration time; Dirty filter media; Improper chemical balance; Filter media needs replacement.	Increase filtration time; Backwash/rinse filter; Test and adjust pool chemicals; Replace filter sand/balls.
Pump Not Priming	Air leak in suction line; Low water level; Clogged impeller; Pump basket not filled with water.	Check all connections for tightness; Ensure pool water level is adequate; Clean impeller; Fill pump basket with water before starting.
Water Leaking from Connections	Loose connections; Damaged O-rings/gaskets; Incorrectly installed plumbing.	Tighten all hose clamps and fittings; Inspect and replace damaged O-rings/gaskets; Re-assemble plumbing correctly.



# POWERFUL FILTERING ABILITY

Get a crystal clear pool in no time



Image: A visual comparison demonstrating the powerful filtering ability of the pump, showing a pool's water clarity before and after filtration.

## 7. SPECIFICATIONS

Detailed technical specifications for the FOTING 12" Sand Filter Pump (Model FT-CLP5502).

Specification	Value
Model Number	FT-CLP5502
Flow Rate	3000 GPH
Horsepower	1/2 HP
Max Head	27 ft

Specification	Value
Tank Size	12 inches
Sand Capacity	44 lbs
Recommended Pool Size	Up to 8000 gallons
Product Dimensions	13.38 x 17.32 x 21.25 inches
Item Weight	25.4 pounds
Manufacturer	FOTING

# 3000 GPH

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Image: The FOTING sand filter pump highlighting its large flow rate of 3000 GPH, suitable for 2800-8000 gallon pools, with a 12-inch/44 lbs sand capacity and built-in timer.

## 8. WARRANTY AND SUPPORT

FOTING stands behind the quality of its products.

### Warranty Information:

This FOTING sand filter pump is backed by a **three-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures peace of mind regarding your investment.

### Customer Support:

For any questions, technical assistance, or warranty claims, please contact FOTING customer service. Refer to the warranty card included with your product for specific contact details or visit the official FOTING website.

We are committed to providing excellent after-sales support to ensure your satisfaction.