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> FOTING Sand Filter System for Pools - 11500 L/h, 24H Timer, 7-Way Valve, Pressure Gauge | FT-CLP4002AF-10in-FR

FOTING FT-CLP4002AF-10in-FR

FOTING Sand Filter System for Pools

Model: FT-CLP4002AF-10in-FR

INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your FOTING Sand Filter System. Please read this manual thoroughly before installation and use, and keep it for future reference.

The FOTING Sand Filter System is designed to provide clear water for above-ground pools, frame pools, and garden pools. It features a maximum flow rate of 11,500 L/h, a 24-hour dual-mode timer, a 7-way valve, and an integrated pressure gauge.

SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or service on the filter system.
- Ensure the system is installed on a stable, level surface to prevent tipping.
- Do not operate the pump dry. Ensure the pump is primed with water before starting.
- Only switch the 7-way valve when the pump is turned off to prevent damage.
- Keep children away from the filter system during operation.
- Use only approved replacement parts and filter media.
- Protect the filter system from freezing temperatures during winter operation.

PRODUCT OVERVIEW AND COMPONENTS

The FOTING Sand Filter System includes the main filter tank, pump, 7-way valve, pressure gauge, and necessary adapters for connection.

TECHNISCHE DATEN



400W

Leistungsaufnahme



220-240V / 50Hz

Spannung



11.500 L/H

Max. Durchflussmenge



10 M

Max. Förderhöhe



IPX5

Schutzart



Präzises
Manometer



Figure 1: FOTING Sand Filter System. This image displays the complete sand filter system, including the blue filter tank, black pump, 7-way valve, and pressure gauge. Technical specifications such as 400W power consumption, 220-240V/50Hz voltage, 11,500 L/H max flow rate, 10m max head, and IPX5 protection are visible on the left side of the image.



Figure 2: System Components. An illustration showing the various components of the FOTING sand filter system connected in an outdoor pool setting. Key parts include the filter tank, pump, and control panel with a pressure gauge.

SETUP AND INSTALLATION

1. Placement

Place the filter system on a firm, level surface near the pool. Ensure adequate space for maintenance and operation. The system is compatible with most above-ground pools.



Passt zu allen Aufstellpools

Die 2-in-1 Schlauchadapter ermöglichen einen einfachen Anschluss.

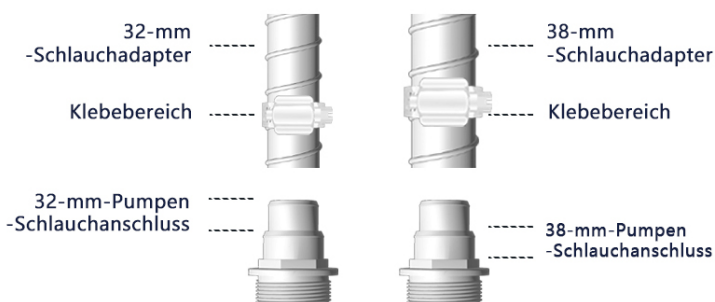


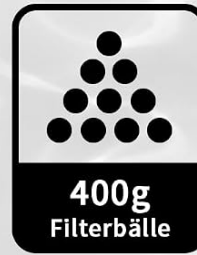
Figure 3: Pool Equipment Setup. This diagram illustrates the placement of the filter system relative to an above-ground pool, showing general dimensions and connections.

2. Filter Media Installation

The system is designed for 13 kg of filter sand, 400 g of filter balls, or filter glass. 200 g of filter balls are included for initial use. Additional filter media may be required depending on pool size.

- Open the filter tank.
- Carefully add the chosen filter media into the tank. Ensure the central pipe is not obstructed.
- Close the filter tank securely.

KOMPATIBEL MIT ALLEN FILTERMEDIEN



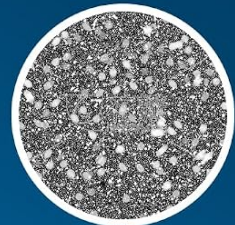
Im Lieferumfang enthalten:
200g Filterbälle



Filtersand



Filterbälle



Filterglas

Figure 4: Filter Media Options. This image shows the sand filter system and illustrates the different types of compatible filter media: filter sand, filter balls, and filter glass. It also indicates that 200g of filter balls are included and the tank capacity is 10 liters.



Figure 5: Compatible Filter Media. A visual representation of the filter tank with different filter media types (sand, filter balls, filter glass) shown as compatible options.

3. Hose Connections

Use the provided 2-in-1 adapter (Ø32 mm / Ø38 mm) for standard hoses. Ensure all connections are tight to prevent leaks.

- Connect the pump to the filter tank.
- Connect the pool inlet hose to the pump.
- Connect the pool outlet hose from the 7-way valve back to the pool.
- Connect a drain hose to the waste port of the 7-way valve if needed.

EINFACHE ANWENDUNG

Unsere Sandfilterpumpe passt zu den meisten Pools.



2-IN-1 -ADAPTER

Kompatibel mit allen Poolschläuchen in diesen Durchmessern: 1,25" (32 mm) 1,5" (38 mm)

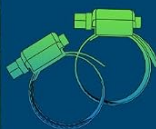
POOLSCHLAUCH IM LIEFERUMFANG

Für die Verbindung zwischen Pumpe und Filtertank.



STABIL & SICHER

Ein robuster Sockel gewährleistet maximalen Standfest.



ZUSÄTZLICHE BEFESTIGUNGEN

Inklusive Spannringe und Edelstahl-Rohrschellen.



Figure 6: Hose Connections. This image shows the sand filter system connected to a pool, highlighting the 2-in-1 adapter for 1.25" (32 mm) and 1.5" (38 mm) hoses. It also illustrates the included pool hose and the robust base for stability.

Klare Anschlussbeschriftungen



Pumpenanschluss:

Mit der Wasserpumpe verbinden.

Rücklaufanschluss:

Mit dem Pool verbinden.

Ablaufanschluss:

Mit dem Ablaufschlauch verbinden.



Figure 7: Connection Labels. A detailed view of the connection points on the filter system, clearly labeled for "Pump" (to water pump), "Return" (to pool), and "Drain" (to drain hose).

OPERATING INSTRUCTIONS

1. Priming the Pump

Before starting the pump, ensure it is fully primed with water to prevent damage from dry running. Open all necessary valves to allow water to flow into the pump.

2. 7-Way Valve Operation

The 7-way valve controls the water flow through the filter system. **Always turn off the pump before changing the valve position.**

- **Filtration:** For normal daily filtering of pool water.
- **Backwash:** Reverses water flow to clean the filter media.
- **Rinse:** Used after backwash to flush out remaining debris from the filter.
- **Drain:** Drains water directly from the pool, bypassing the filter.
- **Closed:** Shuts off all flow to the filter. **Do not use when the pump is running.**
- **Recirculation:** Circulates pool water without filtering it.
- **Winter:** Protects the filter valve from frost during winter operation.



Figure 8: 7-Way Valve Functions. A close-up view of the 7-way valve, clearly showing each position and its corresponding function: Filtration, Backwash, Rinse, Drain, Closed, Recirculation, and Winter. Arrows indicate the direction of rotation.

3. 24-Hour Dual-Mode Timer

The integrated 24-hour timer allows for automated water circulation. It features a single cycle mode and a continuous operation mode.

- **Single Cycle Mode:** Program the system to run for a specific duration once within a 24-hour period.
- **Continuous Operation Mode:** The system runs continuously until manually turned off.
- Refer to the timer's specific controls for setting durations and modes.

Minuterie 24H intelligente à double mode

Pratique et conçu pour vous



Mode cycle unique



Mode cycle continu



Figure 9: 24H Intelligent Dual-Mode Timer. This image highlights the digital display of the 24-hour timer and explains its two modes: single cycle mode and continuous cycle mode, designed for convenient and programmable operation.

MAINTENANCE

1. Monitoring Pressure Gauge

The integrated pressure gauge monitors the operating pressure. A significant increase in pressure during filtration mode indicates that the filter media may be clogged and requires cleaning.



Figure 10: Pressure Gauge and Technical Data. This image shows the FOTING sand filter system with a close-up of the precise pressure gauge. It also displays key technical data such as 400W power, 220-240V/50Hz voltage, 11,500 L/H max flow, 10m max head, and IPX5 protection.

2. Backwash and Rinse Procedure

When the pressure gauge indicates high pressure, perform a backwash and rinse cycle:

1. Turn off the pump.
2. Set the 7-way valve to **BACKWASH**.
3. Turn on the pump and run until the water flowing out of the waste port is clear (typically 2-3 minutes).
4. Turn off the pump.
5. Set the 7-way valve to **RINSE**.
6. Turn on the pump and run for about 30-60 seconds to flush out any remaining debris.
7. Turn off the pump.
8. Set the 7-way valve back to **FILTRATION**.
9. Turn on the pump to resume normal operation.

3. Winterization

Before freezing temperatures arrive, prepare the filter system for winter:

- Drain all water from the pump, filter tank, and hoses.
- Set the 7-way valve to **WINTER** position to relieve pressure on the internal components.
- Store the pump and filter in a dry, frost-free location if possible.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not starting	No power; clogged impeller; air in pump.	Check power connection; clear impeller; prime pump.
Low water flow	Clogged filter media; clogged skimmer/pump basket; air leak in suction line.	Perform backwash/rinse; clean baskets; check hose connections for leaks.

Problem	Possible Cause	Solution
Water not clearing	Insufficient filtration time; incorrect filter media; chemical imbalance.	Increase filtration time; check filter media quantity/type; test and adjust pool chemistry.
High pressure on gauge	Clogged filter media.	Perform backwash and rinse cycle.
Leaks	Loose connections; damaged O-rings/gaskets.	Tighten all connections; inspect and replace O-rings/gaskets as needed.

LEISTUNGSSTARKE FILTRATION

Genießen Sie in kürzester Zeit kristallklares Wasser.

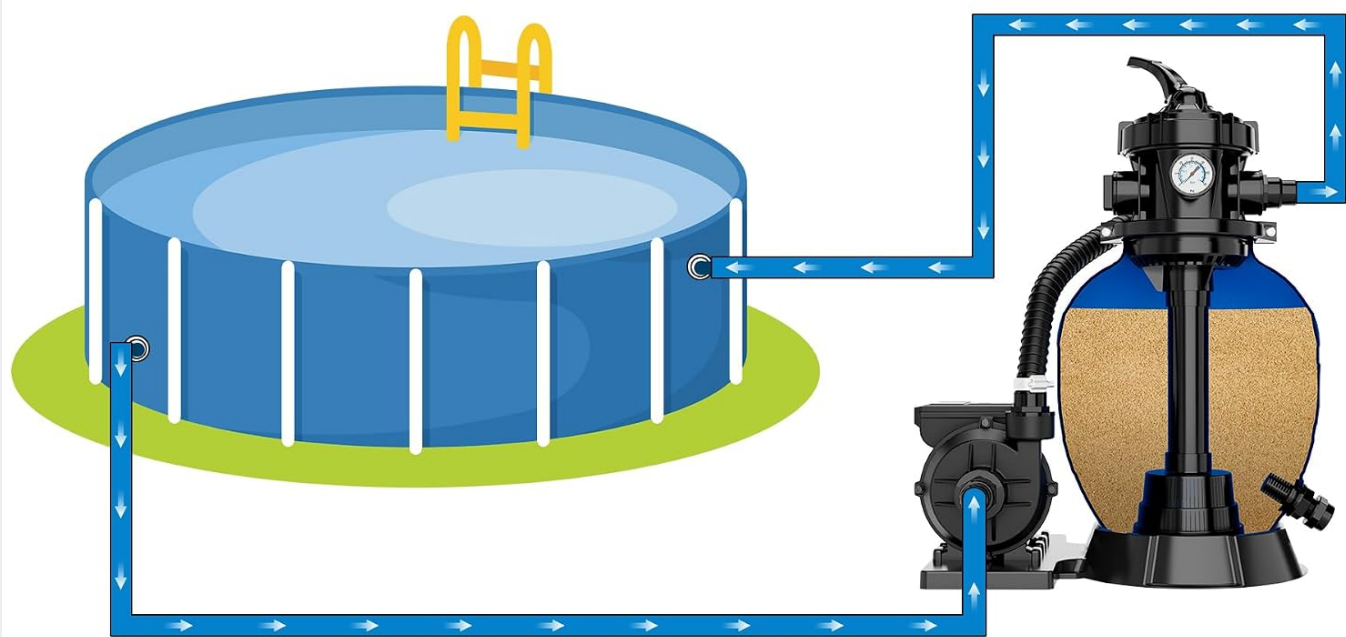


Figure 11: Filtration Effectiveness. This image visually demonstrates the effectiveness of the filter system, showing a "before" state with cloudy, dirty pool water and an "after" state with clear, sparkling pool water.

SPECIFICATIONS

Feature	Detail
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