

[Manuals.plus](#) /

› [FOTING](#) /

› FOTING CLP2502 9,000 L/h Sand Filter Pump Instruction Manual

FOTING CLP2502

FOTING Sand Filter Pump

Model: CLP2502 | Brand: FOTING

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your FOTING Sand Filter Pump. Please read these instructions carefully before use and retain them for future reference. This sand filter pump is designed to keep your pool water clean and clear by filtering out impurities.

TECHNISCHE DATEN



250W

Leistungsaufnahme



220-240V / 50Hz

Spannung



9.000 L/H

Max. Durchflussmenge



7,5 M

Max. Förderhöhe



IPX5

Schutzart



Präzises
Manometer



Figure 1: FOTING Sand Filter Pump (Model CLP2502)

2. SAFETY INSTRUCTIONS

WARNING: Always disconnect the power supply before performing any maintenance or service on the pump.

- Ensure the pump is installed on a stable, 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.
- Never run the pump dry. Ensure it is always primed with water before starting.
- Only change the 7-way valve position when the pump is switched off.
- The pump is rated IPX5 for protection against water jets, but it should not be submerged.

3. PRODUCT OVERVIEW

3.1 Components

The FOTING Sand Filter Pump system includes the following main components:

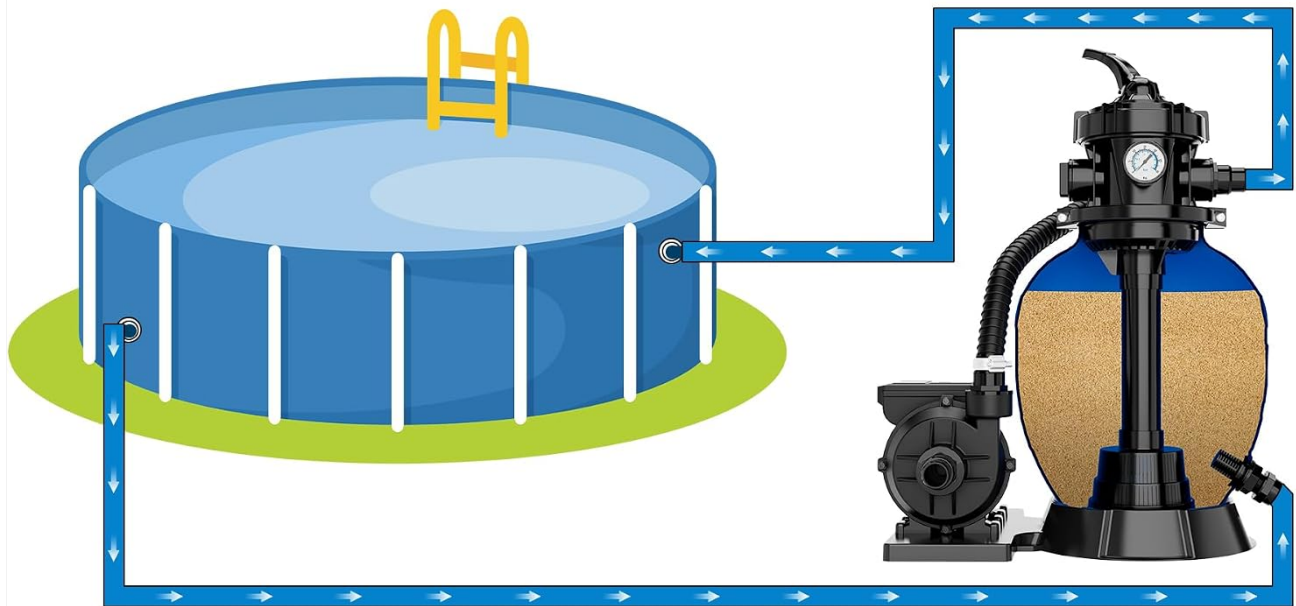
- Sand Filter Tank
- Integrated Pump
- 7-Way Multiport Valve
- Pressure Gauge
- Hose Adapters (Ø32-38 mm)
- 45 cm Ø32 mm Hose
- Clamps and O-rings
- Drain Plug
- Funnel
- 200g Filter Balls (initial quantity)

3.2 Key Features

- **High Performance:** Max flow rate of 9,000 L/h (9 m³/h) with a 250 W pump, suitable for pools up to 25,000 L.
- **7-Way Multiport Valve:** Offers comprehensive control for various pool maintenance tasks.
- **Integrated Pressure Gauge:** Allows for easy monitoring of system pressure, indicating when backwashing or rinsing is needed.
- **Versatile Filter Media Compatibility:** Can use 10 kg of filter sand, 300 g of filter balls, or filter glass.
- **Standard Connections:** Equipped with Ø32/38 mm adapters for compatibility with common pool hoses.

LEISTUNGSSTARKE FILTRATION

Genießen Sie in kürzester Zeit kristallklares Wasser.



VS



Figure 2: Illustration of effective pool water filtration.

3.3 7-Way Valve Functions

The multiport valve allows you to select different modes for pool maintenance. Always turn off the pump before changing the valve position.

1. **FILTER:** Normal filtering mode. Water passes through the filter media and returns to the pool.
2. **BACKWASH:** Reverses water flow through the filter media to clean it, discharging dirty water to waste.
3. **RINSE:** Used after backwashing to flush out any remaining dirt from the filter media before returning to filter mode. Water is discharged to waste.
4. **DRAIN:** Drains water directly from the pool to waste, bypassing the filter.
5. **CLOSED:** Shuts off all flow to the filter and pump. Do not operate the pump in this position.
6. **RECIRCULATE:** Circulates pool water without passing it through the filter media. Useful for chemical distribution.
7. **WINTER:** Position for winter storage to protect the valve from freezing.



VIELSEITIGES 7-WEGE-VENTIL

Die FOTING Sandfilterpumpe -
praktisch und effizient.

[01] FILTERN

Reinigung des Wassers
durch den Sandfilter.



[02] RÜCKSPÜLEN

Umgekehrter Durchfluss zur
Reinigung des Filtermediums.



[03] SPÜLEN

Entfernung von
Schmutzpartikeln nach dem
Rückspülvorgang.



[04] ENTLEEREN

Direkte Ableitung von
Poolwasser ohne Filterung.



[05] GESCHLOSSEN

Unterbricht den Wasserfluss.
(Nicht bei eingeschalteter
Pumpe verwenden.)



[06] UMWÄLZEN

Zirkulation des Poolwassers
ohne Filterprozess.



[07] WINTER

Schutz des Filterventils vor
Frost im Winterbetrieb.



Figure 3: 7-Way Multiport Valve Functions.

4. SETUP AND INSTALLATION

4.1 Unpacking and Inspection

Carefully unpack all components and inspect them for any damage. Ensure all parts listed in Section 3.1 are present.

4.2 Filter Media Installation

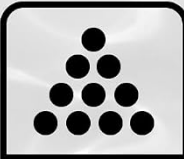
The filter is compatible with filter sand (10 kg capacity), filter balls (300 g capacity), or filter glass. The product includes 200g of filter balls as an initial quantity. More may be required depending on your pool size.

1. Remove the multiport valve from the top of the filter tank.
2. Place the funnel (if provided) into the tank opening to prevent filter media from entering the standpipe.
3. Carefully add the chosen filter media into the tank.
4. Remove the funnel and ensure the standpipe is centered.

5. Reattach the multiport valve, ensuring a tight seal.

KOMPATIBEL MIT ALLEN FILTERMEDIEN



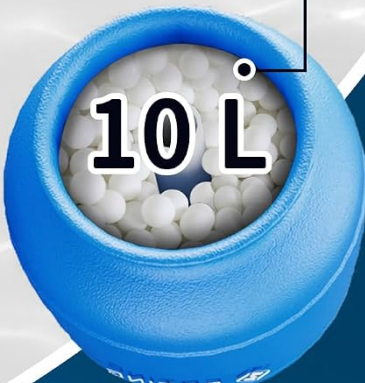


300g
Filterbälle



10kg
Filtersand

Im Lieferumfang enthalten:
200g Filterbälle



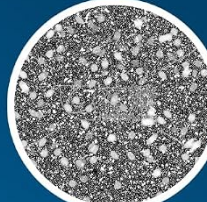
10 L



Filtersand



Filterbälle



Filterglas

Figure 4: Compatible Filter Media Options.

4.3 Connecting Hoses

The pump uses standard Ø32/38 mm connections. Use the provided adapters, hose, and clamps to connect the pump to your pool's inlet and outlet ports.

- Connect the pump outlet to the multiport valve's 'PUMP' port.
- Connect the multiport valve's 'RETURN' port to your pool's water return line.
- Connect the multiport valve's 'WASTE' port to a drain or suitable waste area.
- Connect your pool's water suction line to the pump inlet.

Klare Anschlussbeschriftungen



Figure 5: Clearly labeled connection ports.

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)

STABIL & SICHER

Ein robuster Sockel gewährleistet maximalen Standfest.



POOLSCHLAUCH IM LIEFERUMFANG

Für die Verbindung zwischen Pumpe und Filtertank.



ZUSÄTZLICHE BEFESTIGUNGEN

Inklusive Spannringe und Edelstahl-Rohrschellen.



Figure 6: 2-in-1 Hose Adapters for Ø32mm and Ø38mm hoses.

4.4 Initial Start-up

1. Ensure all connections are secure and leak-free.
2. Fill the pump with water (prime it) if necessary, following the pump's specific priming instructions.
3. Set the 7-way valve to the 'BACKWASH' position.
4. Turn on the pump and run it for 2-3 minutes or until the water from the waste line runs clear.
5. Turn off the pump.
6. Set the 7-way valve to the 'RINSE' position.
7. Turn on the pump and run it for 30-60 seconds.
8. Turn off the pump.
9. Set the 7-way valve to the 'FILTER' position. The system is now ready for normal operation.

5. OPERATING INSTRUCTIONS

5.1 Daily Filtration

For daily filtration, ensure the 7-way valve is set to the 'FILTER' position. Turn on the pump. The pump will draw water from the pool, pass it through the filter media, and return clean water to the pool. The recommended filtration time varies based on pool size and usage, typically 8-12 hours per day.

5.2 Monitoring the Pressure Gauge

The integrated pressure gauge indicates the operating pressure of the filter system. A rising pressure indicates that the filter media is becoming dirty and requires cleaning (backwashing). Refer to the 'Maintenance' section for details on backwashing.

6. MAINTENANCE

6.1 Backwashing and Rinsing

Backwashing and rinsing are crucial for maintaining filter efficiency. Perform these operations when the pressure gauge reading is significantly higher than the clean filter pressure, or when water flow to the pool decreases.

1. Turn off the pump.
2. Set the 7-way valve to 'BACKWASH'.
3. Turn on the pump and run until the water from the waste line runs 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 30-60 seconds.
7. Turn off the pump.
8. Set the 7-way valve back to 'FILTER' for normal operation.

6.2 Filter Media Replacement

Filter media should be replaced periodically, typically every 3-5 years for sand, or as needed for filter balls/glass, depending on usage and water quality. Follow the steps in Section 4.2 for media installation.

6.3 Winterization

Before winter, drain all water from the pump and filter tank to prevent freezing damage. Set the 7-way valve to the 'WINTER' position. Store the pump and filter in a dry, frost-free location.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Low water flow / Poor filtration	Dirty filter media; Clogged skimmer/pump basket; Air leak in suction line; Low water level in pool.	Perform backwash and rinse; Clean skimmer/pump basket; Check and seal air leaks; Adjust pool water level.
Pump not priming	Air leak in suction line; Insufficient water in pump housing; Clogged impeller.	Check and seal air leaks; Fill pump housing with water; Clean impeller.
Water leaking from pump/filter	Loose connections; Damaged O-rings/gaskets; Cracked housing.	Tighten connections; Replace O-rings/gaskets; Contact support for replacement.
High pressure gauge reading	Dirty filter media.	Perform backwash and rinse.
Pump not starting	No power; Thermal overload tripped; Motor fault.	Check power supply/breaker; Allow motor to cool; Contact qualified technician.

8. SPECIFICATIONS

Feature	Value
Brand	FOTING
Model Number	CLP2502
Max Flow Rate	9,000 Liters per hour
Power (Horsepower/Watts)	250 Watts
Max Lift Height	7.5 Meters
Power Source	AC
IP Protection Rating	IPX5
Recommended Pool Volume	Up to 25,000 Liters
Filter Media Capacity (Sand)	10 kg
Filter Media Capacity (Filter Balls)	300 g
Included Filter Media	200 g Filter Balls
Hose Connections	Ø32/38 mm
Country of Origin	China

HOHE DURCHFLUSSLEISTUNG VON 9.000 L/H

Filtrierte und umwälzt Ihr Poolwasser effizient.

9.000 L/H



Tankvolumen: 10 Liter
Geeignet für Pools bis zu 25.000 Liter

Figure 7: High Flow Rate and Pool Compatibility.



Modelle	Ø 254 mm (10 Zoll)	Ø 254 mm (10 Zoll)	Ø 330 mm (13 Zoll)
Durchfluss max.	9.000 L/h	11.500 L/h	15.000 L/h
Leistung	250 W	400 W	550 W
Förderhöhe max.	7,5 m	10 m	12 m
Tankvolumen	10 L	10 L	30 L
Empf. Poolgröße	bis 25.000 L	bis 30.000 L	bis 40.000 L
Timer	✗	24h Dual-Modus	24h Dual-Modus
7-Wege Ventil	✓	✓	✓
Manometer	✓	✓	✓
Vorfilter	✗	✗	✓
Anschlüsse	Ø32/38 mm	Ø32/38 mm	Ø32/38 mm
Anschlüsse	10 kg	13 kg	25 kg
Filterbälle (Kapazität)	300 g	400 g	800 g
Filterbälle inkl.	200 g	200 g	200 g

Figure 8: Model Comparison Table.

9. WARRANTY AND SUPPORT

FOTING products are manufactured with quality and reliability in mind. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official FOTING website. Please have your model number (CLP2502) and purchase date ready when contacting support.