

[Manuals.plus](#) /

› [LANCHEZ](#) /

› LANCHEZ 12-inch Sand Filter Pump (Model LZ-CLP2502F) for Above Ground Pools Instruction Manual

LANCHEZ LZ-CLP2502F

LANCHEZ 12-inch Sand Filter Pump (Model LZ-CLP2502F) for Above Ground Pools Instruction Manual

Brand: LANCHEZ | Model: LZ-CLP2502F

1. PRODUCT OVERVIEW

The LANCHEZ 12-inch Sand Filter Pump system is engineered for efficient and thorough filtration of above-ground pool water. Designed for ease of installation and robust performance, it ensures your pool remains sparkling clean. Featuring a powerful 1/3 HP pump capable of circulating 2400 gallons per hour, this system is suitable for pools up to 7000 gallons. Its durable thermoplastic filter tank and versatile 7-way valve provide reliable, long-lasting filtration with reduced maintenance needs.

Key Features:

- **High Efficiency Filtration:** Keeps water sparkling clean and free from impurities.
- **Maximum Flow of 2400 GPH:** 1/3 HP pump ideal for pools up to 7000 gallons.
- **Built to Last:** Reinforced thermoplastic filter tank and copper motor for extended lifespan and energy efficiency.
- **7-Way Valve:** Easily adapts to different filtration needs (Filter, Backwash, Rinse, Waste, Closed, Recirculate, Winter).



Figure 1: LANCHEZ 12-inch Sand Filter Pump for Above Ground Pool.



Figure 2: The LANCHEZ Sand Filter Pump system installed next to an above-ground pool.

2. SAFETY INFORMATION

Please read this manual thoroughly before installation, operation, or maintenance. Failure to follow instructions can result in serious injury or property damage.

- Always disconnect power before performing any service or maintenance on the pump.
- Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- Keep children and unauthorized persons away from the pump and pool area during operation.
- Do not operate the pump if it is damaged or if any electrical components are exposed to water.
- The pump does not feature an integrated power button. Disconnecting the unit from the power source is the primary method of turning it off. Consider using an external timer or switch for convenience and enhanced safety.
- Ensure all fittings are securely tightened and sealed with plumbing tape to prevent leaks.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 12in Sand Filter Pump
- 0.44lb Filter Balls (starter quantity)
- Manual
- 7-Way Valve
- Pressure Gauge
- Hoses and Adapters
- Plumbing Tape

12IN Sand Filter Pump



Figure 3: Key components of the LANCHEZ 12-inch Sand Filter Pump, including the 7-way valve, pressure gauge, high-power motor, and drain valve.

Video 1: An unboxing video demonstrating the contents of the LANCHEZ Sand Filter Pump package.

4. SETUP INSTRUCTIONS

Follow these steps to properly set up your LANCHEZ Sand Filter Pump.

4.1 Assembling the Pump and Filter Tank:

1. Secure the pump onto the integrated base. Ensure it slides into position and the clips underneath hold it firmly.
2. Install the filter drain plug at the bottom of the filter tank. Place a large flat gasket on the ring, push it through from the inside, and then secure it with another flat gasket and cap on the outside.
3. Twist the filter tank onto its base until it is locked in place.
4. Insert the central pipe assembly into the filter tank, ensuring it sits correctly in the center.

5. Place the top cover over the central pipe, ensuring it aligns properly.
6. Add your chosen filter media (sand or filter balls) into the tank. For sand, ensure the particle size is 0.8-1.5mm. If using filter balls, ensure the central pipe is covered to prevent media from entering it.
7. Place the O-ring onto the 7-way valve. Align the arrows on the valve and the filter tank, then carefully place the valve onto the tank.
8. Secure the valve to the tank using the provided clamps and bolts. Tighten evenly to ensure a proper seal.
9. Attach the pressure gauge to the designated port on the 7-way valve, using plumbing tape for a secure, leak-free connection.

4.2 Connecting Hoses to the Pool:

1. Connect the pump's inlet to the pool's water intake (typically marked 'B' on many above-ground pools). Use appropriate adapters and ensure all connections are tight with plumbing tape.
2. Connect the 'Return' port on the 7-way valve to the pool's water return (typically marked 'A').
3. Connect the 'Waste' port on the 7-way valve to a suitable drainage area using a separate hose.
4. Ensure all hoses are securely fastened with clamps.



Figure 4: The 12-inch tank has a capacity for pools up to 7,000 gallons, requiring 55 pounds of sand or 1.5 pounds of filter balls.

Video 2: A detailed guide on how to set up the LANCHEZ Sand Filter Pump System, including assembly and hose connections.

5. OPERATING INSTRUCTIONS

The 7-way valve allows for various operating modes to maintain your pool water quality.

7-Way Valve Functions:

- **1. FILTER:** Standard operating mode for cleaning water through the filter media.
- **2. BACKWASH:** Reverses water flow to clean the filter media. Use when pressure gauge reads high.
- **3. RINSE:** Clears debris from the system after backwashing.
- **4. WASTE:** Drains pool water directly, bypassing the filter. Useful for lowering water level or heavy debris removal.
- **5. CLOSED:** Stops water flow through the valve. **Never use while the pump is running.**
- **6. RECIRCULATE:** Mixes pool water without filtering.
- **7. WINTER:** Position for winterizing the pump and filter system.

Important: Always turn off the pump before changing the 7-way valve setting to prevent damage to the system.



LANCHEZ



Figure 5: Diagram illustrating the 7-way valve settings for the LANCHEZ Sand Filter Pump.

Video 3: An overview of the LANCHEZ Sand Filter Pump in operation, demonstrating its high flow and filtration capabilities.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your filter pump.

6.1 Backwashing and Rinsing:

- Monitor the pressure gauge. When the pressure rises 5-10 PSI above its clean operating pressure, it's time to backwash.
- Turn off the pump.
- Set the 7-way valve to 'BACKWASH'.
- Turn on the pump and run until the water flowing out of the waste port is clear (typically 1-2 minutes).
- Turn off the pump.

- Set the 7-way valve to 'RINSE'.
- Turn on the pump and run for 30-60 seconds to clear the lines.
- Turn off the pump.
- Set the 7-way valve back to 'FILTER' for normal operation.

6.2 Filter Media Replacement:

- Sand filter media typically needs replacement every 3-5 years, depending on usage.
- Filter balls may be cleaned and reused, but should be replaced if they show signs of degradation or reduced effectiveness.

6.3 Winterization:

- Before freezing temperatures, set the 7-way valve to 'WINTER' to prevent damage from freezing water.
- Drain all water from the pump and filter tank. Store components in a dry, frost-free location.

7. TROUBLESHOOTING

Address common issues you might encounter with your filter pump.

7.1 Leaks at Connections:

- **Issue:** Water leaking from hose connections or valve ports.
- **Solution:** Ensure all connections are tightened securely. Apply additional plumbing tape (Teflon tape) to threaded connections and check that O-rings are properly seated and undamaged.

7.2 Pump Not Turning On:

- **Issue:** Pump does not start when plugged in.
- **Solution:** Verify the power outlet is functional. Check for any tripped circuit breakers. Ensure the pump is properly primed with water before starting. Note that this model does not have an on/off switch; it operates when plugged in.

7.3 Low Flow or Cloudy Water:

- **Issue:** Reduced water flow or persistent cloudy pool water.
- **Solution:** Check the pressure gauge; if high, backwash and rinse the filter. Ensure the pump basket is clear of debris. Verify that the filter media (sand/filter balls) is clean and not compacted. Check for any blockages in the hoses or skimmer.

8. SPECIFICATIONS

Feature	Detail
Brand	LANCHEZ

Model Number	LZ-CLP2502F
Color	Black
Material	Plastic
Style	Sand Filter Pump
Product Dimensions (L x W x H)	13"L x 20"W x 25"H
Power Source	Corded Electric
Horsepower	0.33 HP
Voltage	115 Volts
Maximum Flow Rate	2400 GPH (40 Gallons Per Minute)
Maximum Lifting Height	27 Feet
Filter Tank Size	12 inches
Sand Capacity	55 lbs
Filter Balls Capacity	1.5 lbs
Included Components	0.44lb Filter Balls, 12in Sand Filter Pump, Manual

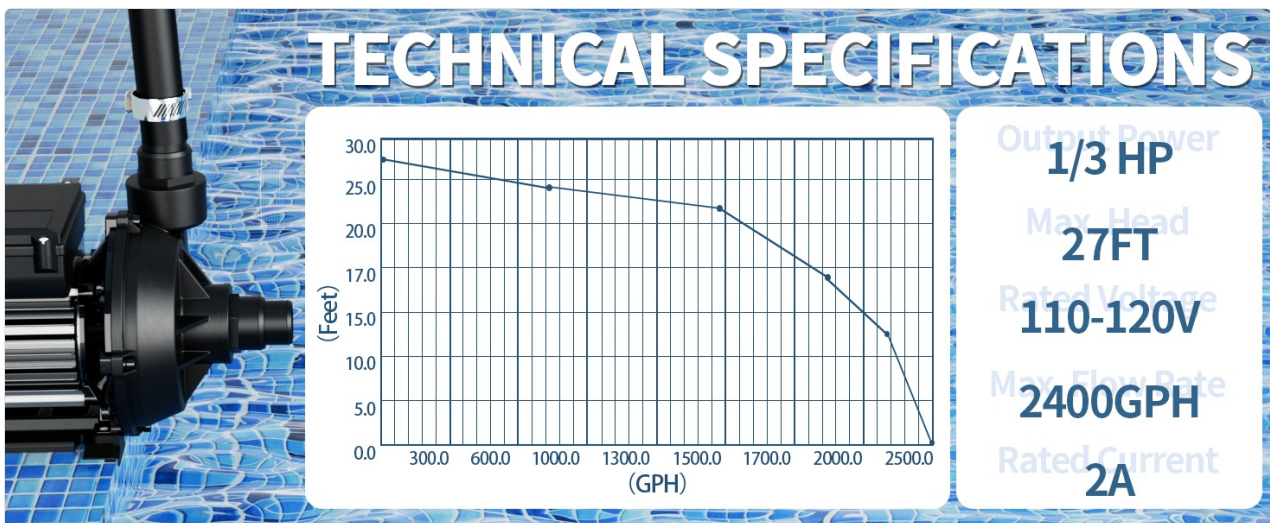


Figure 6: Technical specifications for the LANCHEZ Sand Filter Pump, including output power, max head, rated voltage, and max flow rate.

9. WARRANTY AND SUPPORT

The LANCHEZ 12-inch Sand Filter Pump is backed by a **3-year manufacturer's warranty**. For any questions, troubleshooting assistance, or warranty claims, please contact LANCHEZ customer support. Refer to the manual for specific contact details or visit the official LANCHEZ website.

