

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [LANCHEZ](#) /

› [LANCHEZ 12" Sand Filter with 1/3 HP Pool Pump Instruction Manual](#)

LANCHEZ LZ-CLP2502-1

LANCHEZ 12" Sand Filter with 1/3 HP Pool Pump Instruction Manual

Model: LZ-CLP2502-1

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your LANCHEZ 12" Sand Filter with 1/3 HP Pool Pump. Please read all instructions carefully before installation and use. Proper installation and maintenance are crucial for optimal performance and longevity of the product.

2. PRODUCT FEATURES

- **High Efficiency Filtration:** The LANCHEZ pool filter system is designed for easy installation and powerful operation, ensuring sparkling clean water.
- **Maximum Flow of 2400 GPH:** The 1/3 HP pool pump can circulate up to 2400 gallons per hour, making it suitable for pools with a maximum capacity of 7000 gallons for fast and thorough water filtration.
- **Built to Last:** Features a reinforced thermoplastic filter tank for stability and a copper motor with an extended lifespan, reducing energy consumption by 20%. Designed for long-lasting filtration with reduced maintenance needs.
- **7-Way Valve:** Equipped with a stable and reliable 7-way valve featuring a symmetric channel and anti-turbulence design. This allows for easy adaptation to various filtration needs, maintaining clear pool water throughout the season.

3. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and injury. This appliance is for above-ground pool use only. Ensure the power supply is disconnected before performing any maintenance or adjustments. Do not operate the pump if the power cord or plug is damaged. Keep children away from the equipment. The waterproof level for the whole machine is IPX5, with anti-UV function.

4. PACKAGE CONTENTS

Verify that all components are present and undamaged. If any parts are missing or broken, contact customer service.

- 12-inch Filter Tank
- 1/3 HP Pool Pump

- 7-Way Multi-Port Valve
- Integrated Base
- Pressure Gauge
- Filter Assembly
- Drain Plug
- Flange Clamp
- O-Rings (various sizes)
- Neck Fitting (Funnel)
- Plug 1/2" 38cm MIP
- Hose Adaptors
- Hose Clamps
- 1 1/4" (32mm) x 45cm Hose
- Filter Balls (0.44 lbs included, 1.5 lbs capacity)



Image: Overview of the LANCHEZ 12-inch Sand Filter Pump System components, including the filter tank, pump, multi-port valve, hoses, and various fittings.

5. SETUP AND INSTALLATION

Follow these steps for proper assembly and installation of your sand filter pump system.

5.1 Assembling the Pump and Filter Tank

1. Attach the pump to the integrated base by sliding it into position until it locks securely.
2. Install the filter drain plug at the bottom of the filter tank. Ensure a large flat gasket is placed on the inside and another on the outside before screwing the cap on tightly.
3. Insert the filter assembly (standpipe with laterals) into the center of the filter tank.
4. Carefully add the filter media (sand or filter balls) into the tank, ensuring the filter assembly remains centered. For sand, the particle size should be 0.8-1.5mm.
5. Place the top diffuser over the filter assembly.
6. Attach the 7-way multi-port valve to the top of the filter tank. Ensure the O-ring is properly seated and align the arrows on the valve and tank before securing with the flange clamp and bolts. Tighten bolts evenly.
7. Connect the pump to the multi-port valve using the provided hose and clamps.
8. Install the pressure gauge onto the multi-port valve.

Your browser does not support the video tag.

Video: Detailed guide on how to set up a LANCHEZ Sand Filter Pump System, covering assembly of the pump, filter tank, multi-port valve, and connections.

5.2 Connecting to the Pool

Connect the inlet and outlet hoses from the pump system to your above-ground pool. Ensure all connections are tight and leak-free. Fill the pump's filter basket with water before starting the pump to prime it.



Image: The LANCHEZ 12-inch Sand Filter Pump system fully assembled and connected to an above-ground pool, ready for operation.

6. OPERATING INSTRUCTIONS (7-WAY VALVE FUNCTIONS)

The 7-way multi-port valve allows you to perform various functions for pool maintenance. **Always cut off power to the pump before changing the valve setting.**

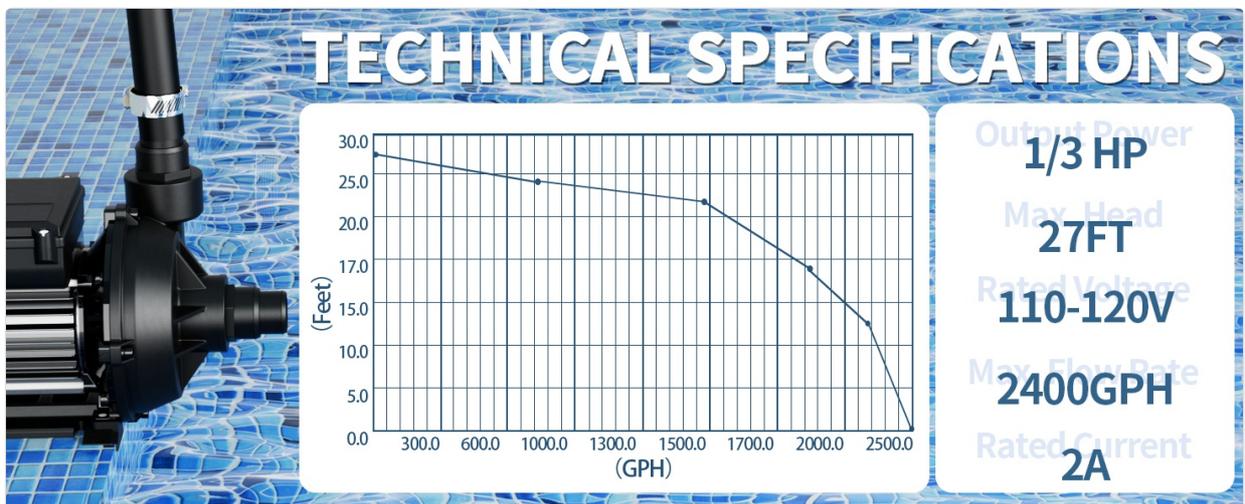


Image: A diagram illustrating the different positions and functions of the 7-way multi-port valve on the sand filter pump.

1. **Filter (Mode 1):** This is the standard operating mode for filtering pool water. Water passes through the sand filter media, removing impurities, and returns to the pool.
2. **Backwash (Mode 2):** Used to clean the filter by reversing the water flow. This flushes accumulated debris out of the filter and into the waste line. Perform backwashing when the pressure gauge reading is 8-10 PSI above the clean filter pressure.
3. **Rinse (Mode 3):** After backwashing, this mode is used to flush any remaining dirty water from the filter valve and settle the sand bed before returning to filter mode. Run for about 30-60 seconds.
4. **Waste (Mode 4):** Directly removes water from the pool to the waste line without passing through the filter. Useful for lowering pool water level or vacuuming heavy debris directly to waste.
5. **Closed (Mode 5):** Stops all water flow through the valve. Never use this setting while the pump is running.
6. **Recirculate (Mode 6):** Mixes pool water without filtering it. Water bypasses the filter media and is returned directly to the pool. Useful for chemical distribution.
7. **Antifreeze (Mode 7 - if applicable):** Prevents the filter valve from freezing in winter conditions.

Your browser does not support the video tag.

Video: An overview of the LANCHEZ Sand Filter Pump, demonstrating its features and the functions of the 7-way valve.

7. MAINTENANCE

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

7.1 Backwashing the Filter

Backwash the filter when the pressure gauge reads 8-10 PSI higher than the clean filter pressure. This indicates that the filter media is saturated with debris and needs cleaning.

1. Turn off the pump.
2. Set the 7-way valve to the