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› LANCHEZ 13-inch Sand Filter Pump (Model LZ-CLP5503) Instruction Manual

LANCHEZ LZ-CLP5503

LANCHEZ 13-inch Sand Filter Pump (Model LZ-CLP5503) Instruction Manual

For Above Ground Pools

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your LANCHEZ 13-inch Sand Filter Pump, Model LZ-CLP5503. This pump is designed for efficient water filtration in above-ground pools, featuring a 3/4 HP motor and a maximum flow rate of 3,500 gallons per hour, suitable for pools up to 13,000 gallons. Please read this manual thoroughly before use to ensure proper function and longevity of your equipment.



Figure 1: LANCHEZ 13-inch Sand Filter Pump overview, highlighting its 3/4 HP motor, 3,500 GPH maximum flow rate, and suitability for pools up to 13,000 gallons.

2. SAFETY INFORMATION

WARNING: Failure to follow these instructions can result in serious injury or death.

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure the pump is installed on a solid, level surface to prevent tipping.
- Do not operate the pump if the power cord is damaged. Contact qualified personnel for repair.
- Keep children and pets away from the pump during operation.
- This pump is designed for use with above-ground pools. Do not use for other purposes unless specified.
- Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- Never run the pump dry. Ensure the pump is primed with water before starting.
- Do not exceed the maximum operating pressure of the filter.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- 13-inch Sand Filter Pump unit
- Multi-port 7-way valve
- 0.44 lbs Filter Balls (initial media)
- Hoses and connectors
- Pressure gauge
- Instruction Manual (this document)

WHAT'S IN THE BOX?



Figure 2: Visual representation of the components included in the LANCHEZ Sand Filter Pump package.

Unboxing Video

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Video 1: An unboxing video demonstrating the contents and initial setup of the LANCHEZ Sand Filter Pump.

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your sand filter pump. Follow these steps carefully:

1. **Positioning:** Place the pump and filter tank on a firm, level surface near your pool. Ensure there is adequate space for maintenance and operation.
2. **Assemble Tank and Pump:** Secure the pump and filter tank onto the base.
3. **Add Filter Media:** Carefully add the recommended filter media (sand or filter balls) into the filter tank. For this model, 0.44 lbs of filter balls are included. If using sand, refer to the specifications for the required amount (55 lbs for 13in filter).
4. **Install Multi-Port Valve:** Attach the 7-way multi-port valve to the top of the filter tank. Ensure a tight seal.
5. **Connect Hoses:** Connect the hoses from the pump to the pool's skimmer/return lines and to the filter valve ports. This model is compatible with 1-1/4" and 1-1/2" hoses.
6. **Electrical Connection:** Connect the pump to a grounded electrical outlet. Ensure the power supply matches the pump's voltage (115 Volts).
7. **Priming the Pump:** Before starting, ensure the pump is filled with water to prevent dry running.

Figure 3: Illustration of the hose adapter and its compatibility with common pool hose sizes.



Figure 4: A four-step visual guide to the installation process of the sand filter pump.

Installation Video

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Video 2: Detailed instructions on how to set up the LANCHEZ Sand Filter Pump system.

5. OPERATION

The 7-way multi-port valve allows for various operational modes. Always turn off the pump before changing valve settings.

- **Filter:** For daily filtration and pool cleaning. Water passes through the filter media and returns to the pool.
- **Backwash:** Reverses water flow through the filter to clean the filter media, sending dirty water to waste.
- **Rinse:** Used after backwashing to flush out any remaining debris from the filter before returning to filter mode.
- **Waste:** Drains water directly from the pool to waste, bypassing the filter. Useful for lowering water levels or vacuuming heavy debris.
- **Closed:** Stops water flow to the filter. Do not use this setting while the pump is running.
- **Recirculate:** Mixes pool water without filtering. Water bypasses the filter media and returns directly to the pool.

- **Winter:** Used for winterizing the filter system. Turn off the pump and open the valve to this position.

7 VALVE FUNCTIONS



Figure 5: The 7-way valve with its various functions clearly labeled for easy mode selection.

HIGHLY EFFECTIVE FILTRATION



Figure 6: Diagram illustrating the water flow during the filtration process, showing how water is cleaned by the filter media.

Operation Overview Video

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Video 3: A video demonstrating the general operation and features of the LANCHEZ Sand Filter Pump for above ground pools.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your sand filter pump.

- **Backwashing:** Perform backwashing when the pressure gauge reads 8-10 PSI above its clean operating pressure, or when water flow to the pool decreases significantly.
 - a. Turn off the pump.
 - b. Set the 7-way valve to "Backwash".
 - c. Turn on the pump and run until the water in the sight glass (if present) runs clear (typically 2-3 minutes).
 - d. Turn off the pump.

- e. Set the 7-way valve to "Rinse".
 - f. Turn on the pump and run for 30-60 seconds.
 - g. Turn off the pump.
 - h. Set the 7-way valve to "Filter" and restart the pump for normal operation.
- **Detachable Filter Basket:** The pump features a detachable filter basket designed for easy removal and cleaning of larger debris like hairs, leaves, and gravel. Regularly inspect and clean this basket to prevent blockages and maintain flow.
 - **Winterization:** Before freezing temperatures, drain all water from the pump and filter. Store the pump in a dry, protected area.



Figure 7: The detachable filter basket, designed for easy cleaning of collected debris.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not starting	No power, tripped breaker, motor issue	Check power supply, reset breaker, consult a technician.
Low water flow	Clogged skimmer/pump basket, dirty filter media, air leak, low water level in pool	Clean baskets, backwash/rinse filter, check connections for leaks, ensure adequate pool water level.
Water not clearing	Insufficient filtration time, dirty filter media, improper chemical balance	Increase filtration time, backwash/rinse filter, test and adjust pool chemicals.
Air in pump/filter	Loose connections, low water level, damaged O-rings	Check all hose connections, ensure pool water level is above skimmer, inspect and replace O-rings if damaged.

8. SPECIFICATIONS

Feature	Detail
Brand	LANCHEZ
Model Number	LZ-CLP5503
Filter Tank Size	13 inches
Horsepower	0.75 HP

Feature	Detail
Maximum Flow Rate	3,500 GPH (58 GPM)
Maximum Pool Capacity	13,000 Gallons
Voltage	115 Volts
Product Dimensions (L x W x H)	15.9" x 20.3" x 25.3"
Item Weight	31.9 Pounds
Material	Reinforced Thermoplastic (Plastic)
Valve Type	7-Way Multi-Port Valve
Included Filter Media	0.44 lbs Filter Balls
Recommended Sand Capacity	55 lbs (if using sand)
Hose Compatibility	1-1/4" & 1-1/2"

9. WARRANTY AND SUPPORT

The LANCHEZ 13-inch Sand Filter Pump (Model LZ-CLP5503) is backed by a **three-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use and service. For warranty claims, technical support, or replacement parts, please contact LANCHEZ customer service. Keep your purchase receipt as proof of purchase.

For further assistance, please refer to the contact information provided with your product or visit the official LANCHEZ website.



Figure 8: Product diagram highlighting the 3-year warranty.