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› [LANCHEZ 16in Sand Filter Pump for Above Ground Pool with Timer, 1.5HP, Max 4900GPH for Pools Up to 16000GAL, 6-Way Valve Pool Sand Filter System, Enhanced Circulation for Crystal-Clear Pool 16in \(4900 GPH\)](#)

LANCHEZ CLP8005AF-16

LANCHEZ 16in Sand Filter Pump Instruction Manual

Model: CLP8005AF-16

PRODUCT OVERVIEW

The LANCHEZ 16in Sand Filter Pump is designed for above-ground pools up to 16000 gallons, offering enhanced circulation and crystal-clear water. It features a powerful 1.5HP pump with a maximum flow rate of 4900 GPH, a 6-way valve for versatile operation, and a 24-hour programmable timer for efficient filtration.

Key features include:

- **Customized Filtration:** 24-hour programmable timer for effortless scheduling, energy saving, and optimal water circulation.
- **Maximum Flow of 4900GPH:** 1.5HP pump suitable for pools up to 16000 gallons, ensuring fast and thorough filtration.
- **Built to Last:** Reinforced thermoplastic filter tank and copper motor for extended lifespan and reduced energy consumption.
- **6-Way Valve:** Stable and reliable design for easy adaptation to different filtration needs.
- **3 Years After Sales Service:** Manufacturer support for peace of mind.



Figure 1: LANCHEZ 16in Sand Filter Pump for Above Ground Pool.

SETUP AND INSTALLATION

Proper assembly is crucial for the optimal performance and longevity of your sand filter pump. Follow these steps carefully.

1. Unboxing and Component Identification

Before starting, unpack all components and verify against the parts list. Familiarize yourself with each part.

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Video 1: LANCHEZ Sand Filter Pump Unboxing. This video provides a detailed look at all components included in the package.



Figure 2: Detailed view of all included components for the sand filter pump system.

2. Assembling the Pump and Filter Tank

Secure the pump to the integrated base and connect the filter tank. Ensure all connections are tight to prevent leaks.

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Video 2: How to Set Up a LANCHEZ Sand Filter Pump System. This video guides you through the complete assembly process. For detailed visual instructions on assembly, refer to the setup video. Key steps include:

- Attach the pump to the base, ensuring it slides into position and clips securely.
- Install the filter drain at the bottom of the tank, using the provided gaskets for a watertight seal.
- Place the central pipe assembly inside the tank.
- Add the filter media (sand or filter balls) around the central pipe. Ensure the filter media type and quantity are appropriate for your model (e.g., 100 lbs of sand or 4.6 lbs of filter balls for the 16in model).
- Attach the 6-way valve to the top of the filter tank, aligning the arrows on both components.
- Secure the valve with the provided clamps and bolts, tightening them evenly.
- Connect the pump to the 6-way valve using the short hose and clamps.
- Install the pressure gauge onto the valve.
- Ensure the pre-filter basket is clean and properly seated in the pump's inlet.

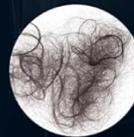
PREFILTER

COARSE FILTRATION VIA INTEGRATED PRE-FILTER



ADDITIONAL FILTER

The integrated pre-filter ensures that coarse debris such as hair, leaves or gravels are filtered out in advance



Hairs



Leaves



Gravel



See-Through Lid

Clear View to Timely



Filter Basket

Detachable for Easy Cleaning

Figure 3: Integrated pre-filter for coarse debris filtration.



Type : Sand

Sand Capacity : 100 lb



Type : Filter Balls

Filter Balls Capacity : 4.6 lb

Figure 4: Recommended sand and filter ball capacities for different filter sizes.

3. Connecting to the Pool

Connect the pump's inlet and outlet to your pool's filtration system using appropriate hoses (not included). Ensure all connections are secure and leak-free.

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Video 3: LANCHEZ Sand Filter Pump for Above Ground Pool. This video demonstrates the final connections to the pool. Before starting the pump, ensure the pump and filter tank are filled with water to prevent dry running and damage.

OPERATING INSTRUCTIONS

The 6-way valve allows for various operating modes to maintain your pool's cleanliness. Always turn off the pump before changing valve settings.

6-Way Valve Functions



Figure 5: The 6-way valve on the sand filter pump.

- **1. FILTER:** Standard filtration mode for daily cleaning. Water passes through the sand filter and returns to the pool.
- **2. BACKWASH:** Reverses water flow to clean the filter media. Used when pressure gauge readings are high or flow is reduced.
- **3. RINSE:** Used after backwashing to clear debris from the valve and lines before returning to filter mode.
- **4. WASTE:** Drains water directly from the pool, bypassing the filter. Useful for lowering water levels or vacuuming heavy debris to waste.
- **5. CLOSED:** Stops all water flow through the valve. *Never use this setting while the pump is running.*
- **6. RECIRCULATE:** Mixes pool water without filtering. Useful for distributing chemicals without filtration.

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Video 4: LANCHEZ Sand Filter Pump. This video demonstrates the various functions of the 6-way valve.

Timer Operation

The integrated 24-hour programmable timer allows you to set filtration cycles in advance, optimizing energy use and maintaining water quality.

SWIMMING POOL TIMING PLAN

In just two steps





Step 1
Set running hours



Step 2
Turn on the pump



24-hour mode
for constant filtration

TIPS

The time activate the timer becomes the daily start time.

Figure 6: Digital timer display and controls for scheduling filtration cycles.

- **Set Running Hours:** Use the timer controls to program the desired operating duration.
- **Turn on the Pump:** Activate the pump. The time you activate the timer becomes the daily start time.
- **24-hour Mode:** For constant filtration, select the 24-hour mode.

MAINTENANCE

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

- **Pre-filter Basket Cleaning:** Regularly check and clean the pre-filter basket in the pump to remove large debris like hair, leaves, and gravel. This prevents clogging and protects the pump.
- **Backwashing and Rinsing:** Perform backwashing and rinsing cycles as needed, typically when the pressure gauge indicates a higher-than-normal reading (indicating a dirty filter) or when water flow decreases.
- **Winterization:** In colder climates, ensure the pump and filter are properly drained and protected from freezing temperatures to prevent damage. The anti-freeze function helps protect the valve.

TROUBLESHOOTING

This section provides solutions for common issues you might encounter.

Problem	Possible Cause	Solution
Pump not starting	No power, clogged impeller, motor issue.	Check power connection and circuit breaker. Clear any debris from impeller. Consult professional if motor issue persists.
Low water flow	Clogged filter basket, dirty sand filter, air leak in suction line.	Clean pre-filter basket. Backwash/rinse sand filter. Check all connections for air leaks.
Water not clearing	Insufficient filtration time, incorrect chemical balance, dirty filter media.	Increase filtration time. Test and adjust pool chemicals. Backwash/rinse filter. Consider replacing sand if old.
Leaks at connections	Loose fittings, worn O-rings/gaskets, improper sealing.	Tighten all connections. Inspect and replace worn O-rings/gaskets. Use thread sealant tape where appropriate.

SPECIFICATIONS

Attribute	Value
Brand	LANCHEZ
Model Number	CLP8005AF-16
Size	16in (4900 GPH)
Maximum Flow Rate	4900 GPH (82 Gallons Per Minute)
Maximum Pool Capacity	16000 Gallons
Horsepower (HP)	1.5 HP
Voltage	115 Volts
Wattage	800 watts
Item Weight	22.76 Pounds
Product Dimensions	27.6"L x 15.3"W x 31.1"H
Material	Plastic
Color	Black
Power Source	Corded Electric
Included Components	16in Sand Filter Pump

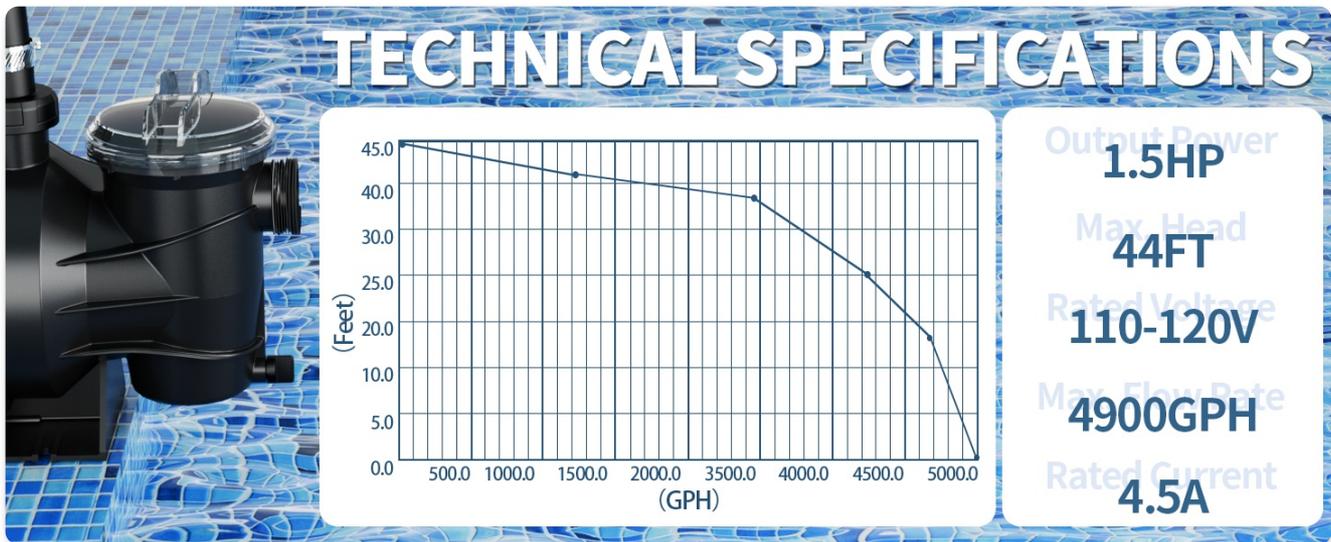


Figure 7: Performance graph showing flow rate vs. head for the pump.

WARRANTY AND SUPPORT

The LANCHEZ 16in Sand Filter Pump is backed by a three-year worry-free manufacturer after-sales service, ensuring peace of mind and customer satisfaction.

For any support or warranty claims, please refer to the contact information provided in your product packaging or visit the official LANCHEZ store online.

Official Brand Store: [LANCHEZ Store](#)