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› [LANCHEZ 1/2 HP Submersible Sump Pump Cast Iron and Stainless Steel with Integrated Vertical Float Switch, 5200 GPH Sewage/Effluent Pump User Manual](#)

### LANCHEZ Q450212-L2

# LANCHEZ 1/2 HP Submersible Sump Pump

Model: Q450212-L2 | Brand: LANCHEZ

## 1. SAFETY INFORMATION

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Please read and understand all safety instructions before operating the pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- **Electrical Safety:** Ensure the pump is connected to a grounded, shock-proof outlet. Disconnect the pump from the main power supply before any cleaning or maintenance. All connectors and extension cables must be watertight and should not be placed on the ground. It is recommended that the outlet is at least 15cm (6 inches) above the ground.
- **Handling:** DO NOT lift the pump by the power cord or the vertical float switch, as this can cause permanent damage. Always use a strong rope attached to the handle to lift and balance the pump when immersing or removing it from liquid.
- **Operation:** Do not operate the pump when people or pets are in the water. Avoid dry running, as the built-in thermal overload protection will prevent the motor from burning out, but repeated dry running can shorten the pump's lifespan.
- **Maintenance:** DO NOT disassemble the motor housing. This may lead to oil leakage and electrical hazards.
- **Children:** Children are not permitted to wash or maintain the equipment without adult supervision.



Figure 1: Proper handling of the pump. Always lift by the handle, not the power cord or float switch.

## 2. PRODUCT OVERVIEW

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The LANCHEZ 1/2 HP Submersible Sump Pump is designed for efficient removal of sewage and effluent water from basements, basins, and sewage systems. Its robust construction ensures durability and reliable performance.

### Key Features:

- **Automatic Float Switch:** Integrated vertical float switch for automatic on/off operation based on water levels.
- **Powerful Motor:** 1/2 HP efficient PSC motor provides a maximum flow rate of 5200 GPH and lifts water up to 26 feet.
- **Durable Construction:** Features a cast iron and stainless steel casing for corrosion resistance, enhanced cooling, and extended lifespan.
- **Non-Clogging Impeller:** Designed to handle solids up to 1-1/2 inches without clogging.
- **Extended Power Cord:** 10-foot grounded waterproof power cord for flexible installation.



**LANCHEZ**  
Submersible sewage pump  
Model: 1038  
Date: / Code: 1038  
For Indoor And Outdoor Use  
Always Protected  
10/10/20

Figure 2: Front view of the LANCHEZ 1/2 HP Submersible Sump Pump.



# 1/2 HP STAINLESS STEELS SEWAGE PUMP

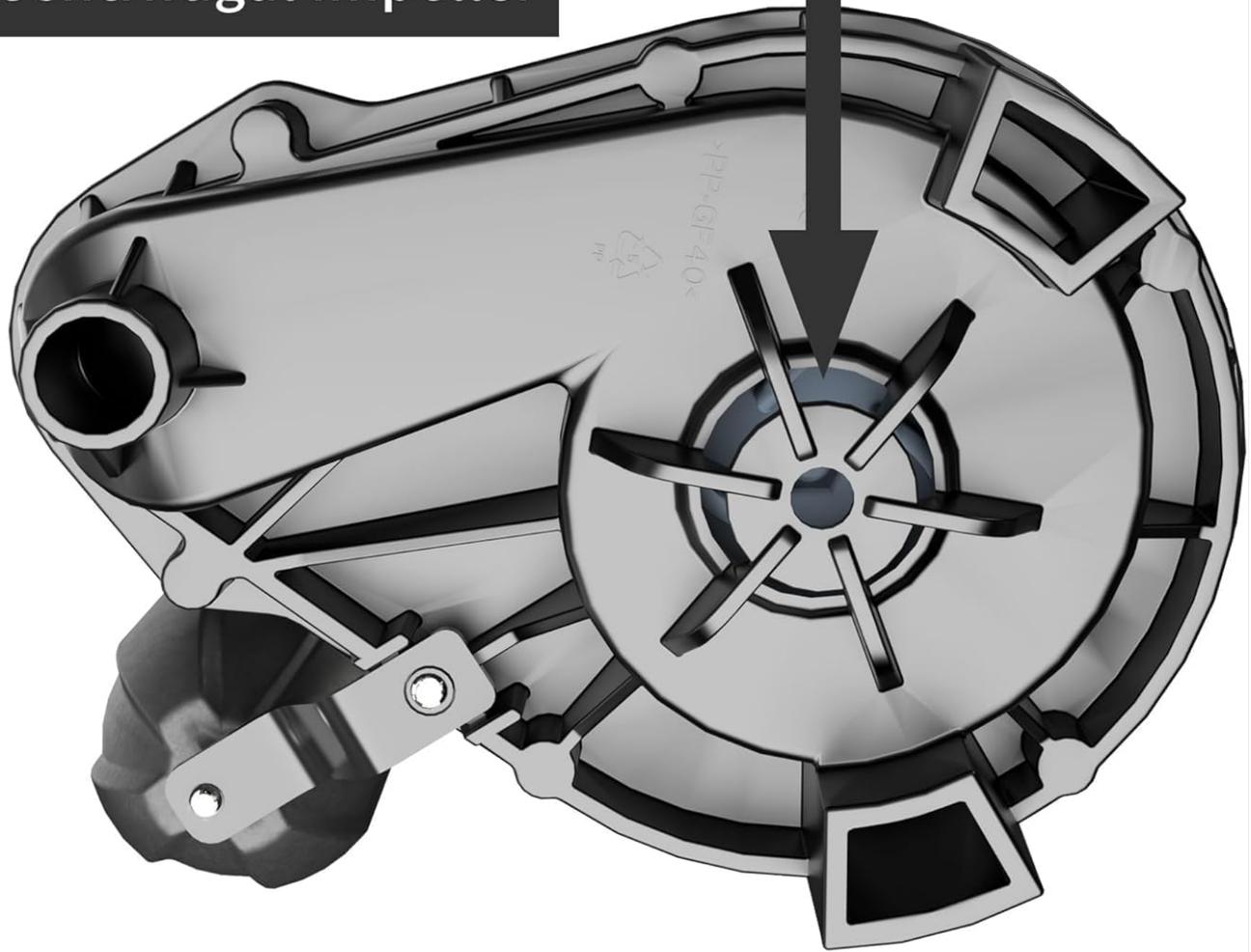
Max.Head 26FT  
Max.Flow 5200GPH

-  Sturdy
-  Rustproof
-  Corrosion-resistant

Figure 3: Internal components and material benefits of the pump.

# Reinforced Nylon Base, High Load and Wear Resistance

Non-Clogging Centrifugal Impeller



Easily Handles Up To 1-1/2" Solids

Figure 4: Detail of the pump's impeller and base designed for handling solids.

## 3. SETUP

Proper setup is crucial for optimal performance and safety. Follow these steps for installation:

1. **Placement:** Position the pump in the sump basin or desired area. Ensure the pump is stable and the suction opening will not be blocked by foreign objects. The equipment requires an area of at least 23.6 x 23.6 inches.
2. **Lifting:** Before immersing, attach a long, strong rope to the pump's handle. Use the rope to carefully lower and balance the pump into the liquid.
3. **Discharge Connection:** Connect the appropriate discharge hose or pipe to the NPT 1-1/2" discharge port. Ensure a secure, watertight connection.
4. **Power Connection:** Plug the 10-foot grounded waterproof power cord into a suitable, grounded electrical outlet. Ensure the outlet is protected and located above the potential water level.

## ⚠ CAUTIONS:

DO NOT lift the pump by the power cord or Vertical float switch, it could be damaged permanently. DO NOT disassemble the motor housing. It may lead to oil leakage or hazardous electrical wiring issues.

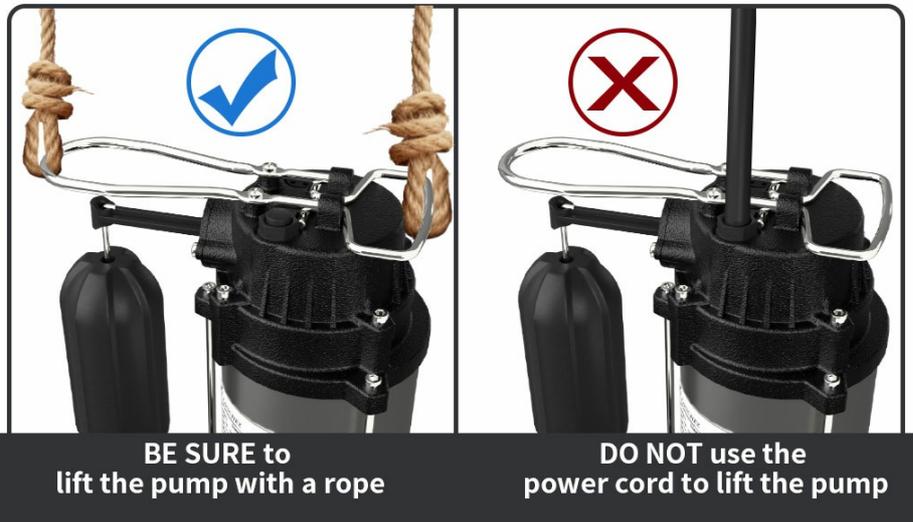


Figure 5: Typical installation diagram for the LANCHEZ Sump Pump.

## 4. OPERATING INSTRUCTIONS

The LANCHEZ Sump Pump operates automatically via its integrated vertical float switch. Once properly installed and powered, the pump will activate and deactivate based on the water level.

- **Automatic Operation:** The pump will automatically turn on when the water level reaches approximately 10.24 inches (on point) and turn off when the water level drops to approximately 4.33 inches (off point).
- **Continuous Duty:** This pump is rated for continuous duty, making it suitable for ongoing sump and light effluent applications.

For a visual demonstration of the pump's operation, please refer to official product videos if available from the manufacturer. (Note: No official seller videos were provided in the product data.)

# MATERIAL AND CONFIGURATION

Rigid Housing And Extended Power Cord



STAINLESS  
STEELS HOUSING



10FT POWER CORD



Figure 6: Float switch activation points and pump components.

# CONTINUOUS DUTY EFFLUENT PUMP



Ideal for sump and light effluent applications,  
sand rated for continuous duty.

Figure 7: The pump in action, demonstrating its continuous duty capability.

## 5. MAINTENANCE

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Regular maintenance helps ensure the longevity and efficient operation of your LANCHEZ Sump Pump.

- **Regular Inspection:** Periodically check the pump and the sump basin for any debris that might obstruct the suction inlet or the float switch. Clear any blockages immediately.
- **Cleaning:** If necessary, clean the exterior of the pump. Always disconnect power before cleaning.
- **Avoid Dry Running:** While the pump has thermal overload protection, prolonged dry running should be avoided as it can cause unnecessary wear.
- **Do Not Disassemble:** The motor housing is sealed. Do not attempt to disassemble it, as this can lead to oil leakage and electrical hazards.

## 6. TROUBLESHOOTING

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This section provides general guidance for common issues. For complex problems, contact customer support.

Problem	Possible Cause	Solution
Pump does not start.	No power; Float switch stuck; Motor overload.	Check power supply and circuit breaker. Ensure float switch moves freely. Allow motor to cool if overloaded.
Pump runs but no water is discharged or flow is low.	Suction inlet blocked; Discharge hose kinked or blocked; Air lock.	Clear debris from suction. Straighten hose. Check for air lock (may require tilting pump slightly).
Pump runs continuously.	Float switch stuck in "on" position; Continuous water inflow.	Check float switch for obstructions. Identify and address source of continuous water.

## 7. SPECIFICATIONS

Specification	Value
Brand	LANCHEZ
Model Number	Q450212-L2
Power Source	Corded Electric
Voltage	115 Volts (AC)
Wattage	450 Watt-hours
Horsepower	0.5 hp
Maximum Flow Rate	5200 GPH (87 Gallons Per Minute)
Maximum Lifting Height	26 Feet
Product Dimensions (L x W x H)	9.5"L x 7.7"W x 15.2"H
Item Weight	16.91 pounds
Material	Cast Iron and Stainless Steel
Color	Stainless Steel
Discharge Size	1-1/2" NPT
Float Switch On Point	10.24 inches
Float Switch Off Point	4.33 inches

## 8. WARRANTY AND SUPPORT

The LANCHEZ 1/2 HP Submersible Sump Pump comes with a **1-year product warranty** from the manufacturer. Additionally, LANCHEZ provides **3-year technical support and professional assistance**. If you have any questions or concerns regarding your pump, please do not hesitate to contact LANCHEZ customer service. They are committed to helping you within 24 hours.

For further assistance, visit the official LANCHEZ store: [LANCHEZ Store](#)

