

Vidapool SUC50E

Vidapool 1/2 HP Automatic Pool Cover Pump

MODEL: SUC50E

Introduction

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your Vidapool 1/2 HP Automatic Pool Cover Pump, Model SUC50E. Please read this manual thoroughly before use and retain it for future reference.

Safety Information

WARNING: Electrical Shock Hazard. Always disconnect power before servicing or cleaning the pump.

- Ensure the power cord and plug are in good condition. Do not use if damaged.
- Connect to a properly grounded outlet only.
- Do not operate the pump with bare feet or when standing in water.
- Keep children and pets away from the pump during operation.
- Do not use the pump for flammable or corrosive liquids.

Package Contents

- Vidapool 1/2 HP Automatic Pool Cover Pump (Model SUC50E)
- 25-foot Power Cord (attached)
- Rope (for positioning)
- Instruction Manual

Specifications

Feature	Specification
Model	SUC50E
Power	1/2 HP
Voltage	110-115V / 60Hz
Max Flow Rate	2169 GPH (Gallons Per Hour)
Max Head Lift	26.6 feet
Automatic ON Level	2.1 inches (approx. 5.3 cm)
Automatic OFF Level	0.4 inches (approx. 1 cm)
Discharge Port	1-inch NPT (compatible with 3/4-inch garden hoses)
Power Cord Length	25 feet
Material	Durable Plastic
Weight	11.09 pounds (approx. 5.04 kg)

Setup

- Connect Discharge Hose:** Attach a standard 3/4-inch garden hose to the 1-inch NPT discharge port on the side of the pump. Ensure the connection is secure to prevent leaks.
- Position the Pump:** Place the pump directly onto the pool cover, pond, or basement floor where water has accumulated. Ensure the pump is stable and upright.
- Route the Power Cord:** Extend the 25-foot power cord to a grounded electrical outlet. Ensure the cord is not kinked or obstructed.
- Submerge and Plug In:** Ensure the pump is fully submerged in water before plugging it into the power outlet. The automatic sensor will activate the pump once the water level reaches 2.1 inches.

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POWERFUL MOTOR

1/2 HP
HP

2.7A
AMP

115V/60Hz
Voltage

24 ft
Max. Head

2169 GPH
Max. Flow

3/4 in
Discharge (NPT)

Image: The Vidapool pump with a garden hose attached, ready for water removal.

AUTOMATIC SWITCH OPERATION



Image: The pump highlighting its automatic on (above 2.1 inches) and off (below 0.4 inches) functionality.

Your browser does not support the video tag.

Video: An overview of the Vidapool Pool Cover Pump, demonstrating its features and ease of use during setup.

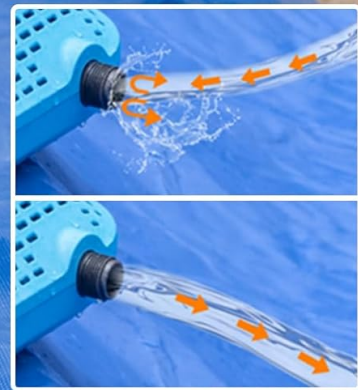
Operating Instructions

1. **Automatic Operation:** Once plugged in and submerged, the pump will automatically turn on when the water level reaches approximately 2.1 inches. It will continue to pump until the water level drops below 0.4 inches, then it will automatically shut off.
2. **Monitoring:** Periodically check the pump's operation to ensure efficient water removal and to clear any large debris that may accumulate around the intake.
3. **Relocating:** If water accumulates in multiple areas, you may need to reposition the pump to ensure complete drainage. Always unplug the pump before moving it.

EASY TO INSTALL



Built-in Check Valve
Prevents backflow of water



3/4" NPT Discharge

Compatible with any standard garden hose.

Image: The pump's bottom suction design, capable of removing water down to 1/4 inch and preventing clogging with its built-in screen.

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Video: Demonstration of the Vidapool Pool Cover Pump in action, showing its water removal capabilities.

Maintenance

1. **Cleaning:** Regularly inspect the pump's intake screen for debris such as leaves, twigs, or dirt. Clean the screen as needed to maintain optimal performance. Disconnect power before cleaning.
2. **Storage:** When not in use, especially during freezing temperatures, ensure the pump is completely drained of water. Store it in a dry, protected area to prevent damage.
3. **Cord Inspection:** Periodically check the power cord for any signs of wear, cuts, or damage. Replace if necessary.

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BOTTOM SUCTION

1

Removes water down to 1/4"

2

Built-in screen prevents clogging

Image: The pump demonstrating its blockage protection feature, where it stops operation if debris obstructs the intake.

Troubleshooting

Problem	Possible Cause	Solution
Pump does not turn on	No power; Water level too low; Blocked intake	Check power connection; Ensure water level is above 2.1 inches; Clear intake screen of debris.
Pump runs but no water is discharged	Hose kinked or blocked; Airlock; Water level too low	Check and clear hose; Lift and re-submerge pump to release air; Ensure water level is sufficient.
Pump cycles on and off frequently	Water level fluctuating near sensor; Small leaks in hose	Ensure stable water level; Check hose connections for leaks.
Reduced flow rate	Clogged intake screen; Partially blocked hose	Clean intake screen; Inspect and clear hose.

Warranty and Customer Support

Vidapool products are designed for reliability and performance. For any questions, concerns, or warranty

inquiries regarding your pump, please contact our dedicated service team. We are available 24/7 to assist you promptly.

Contact Information:

Email: service@vidapool.com