

Vidapool SPSG130T

Vidapool 13in Sand Filter Pump with Timer Instruction Manual

Model: SPSG130T | Brand: Vidapool

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Vidapool 13-inch Sand Filter Pump with Timer. This system is designed for above-ground pools up to 13,000 gallons, offering a 2/3 HP pump and a 3000 GPH flow rate for effective water filtration. Please read all instructions carefully before assembly and use.



Image: The Vidapool 13-inch Sand Filter Pump with Timer, showcasing its compact design and key features.

2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of injury, fire, electric shock, or property damage.

- **Electrical Safety:** Ensure the pump is connected to a grounded outlet protected by a Ground Fault Circuit Interrupter (GFCI). Do not operate the pump if the power cord or plug is damaged. Keep all electrical connections dry.
- **Water Safety:** Never operate the pump dry. Ensure the pump is fully primed with water before starting. Keep children and pets away from the pump and pool area during operation.
- **Valve Operation:** **STOP THE PUMP BEFORE SWITCHING THE 6-WAY VALVE POSITION.** Failure to do so can damage the valve and pump, and may cause injury.

- **Maintenance:** Disconnect power before performing any maintenance or cleaning.
- **Installation:** Install the pump on a firm, level surface. Ensure adequate ventilation around the pump.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Sand Filter Tank
- Pump Motor Assembly (2/3 HP)
- 6-Way Multi-Port Valve
- Pressure Gauge
- Hose Adapters (1.25-inch and 1.5-inch)
- Hose Clamps
- Base Platform
- Instruction Manual

4. SPECIFICATIONS

Feature	Specification
Model Number	SPSG130T
Horsepower	2/3 HP (0.66 HP)
Flow Rate (Pump)	3000 GPH
Flow Rate (System)	2400 GPH
Voltage	115 Volts
Max Pool Capacity	Up to 13,000 Gallons
Filter Tank Size	13 inches
Sand Capacity	60 lbs
Filter Ball Capacity	1.8 lbs
Valve Type	6-Way Multi-Port Valve
Timer	24-Hour Programmable (9 settings)
Hose Compatibility	1.25-inch and 1.5-inch
Tank Material	Thick-walled, UV-resistant, anti-corrosion

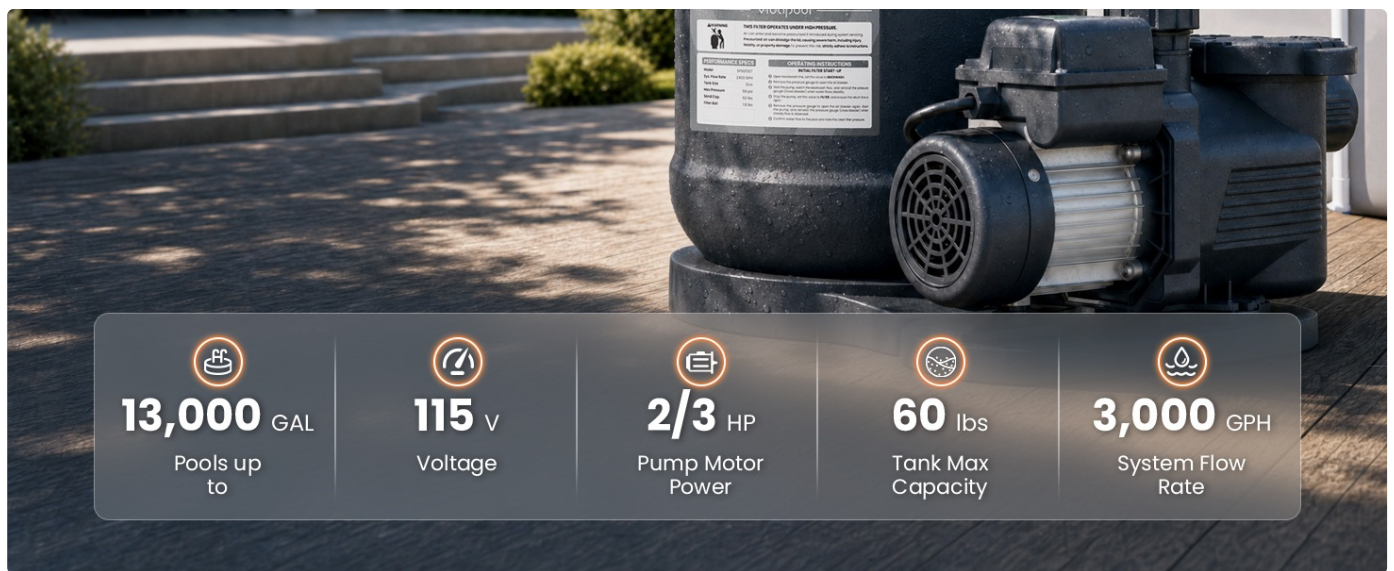


Image: Visual representation of the pump's capacity for pools up to 13,000 gallons.



Image: The sand filter pump with its dimensions (25.6" height, 21.6" width, 17.7" depth) indicated.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your sand filter pump system:

1. **Secure the Pump on the Base:** Place the pump and filter tank assembly on a firm, level surface near your pool. Ensure the base is stable.
2. **Add Filter Media:** Remove the top cover of the filter tank. Carefully add the recommended amount of filter sand (60 lbs) or filter balls (1.8 lbs). Ensure the center pipe is properly positioned and the media is filled between the MIN and MAX lines.
3. **Install the 6-Way Valve:** Place the 6-way valve onto the top of the filter tank, aligning it with the center pipe. Secure the valve firmly according to the instructions provided with the valve assembly.
4. **Connect Hoses:** Connect the pool hoses to the pump and filter system. The pump includes 1.25-inch and 1.5-inch hose adapters with clamps for compatibility with most above-ground pool connections. Ensure all connections are tight to prevent leaks.
5. **Prime the Pump:** Before starting, ensure the pump is filled with water to prevent dry running.



Image: A visual guide demonstrating the four key steps for installing the sand filter pump.

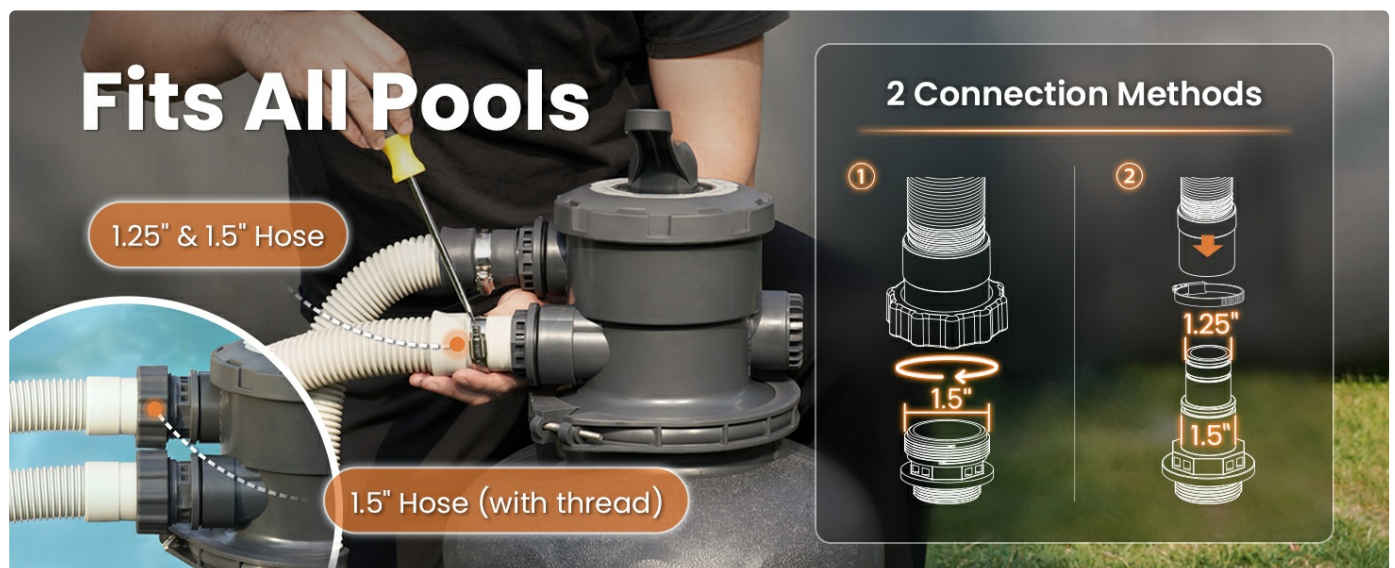


Image: Details on connecting 1.25-inch and 1.5-inch hoses, including threaded connections, for universal pool compatibility.

6. OPERATING INSTRUCTIONS

6.1. 6-Way Multi-Port Valve Functions

The 6-way valve controls the water flow through the filter system. **Always turn off the pump before changing the valve position.**

- **Filter:** Normal filtration mode. Water flows through the sand bed, removing debris, and returns to the pool.
- **Waste:** Drains water directly from the pool to waste, bypassing the filter. Used for vacuuming heavy debris or lowering pool water level.
- **Closed:** Shuts off all flow to the filter and pump. Use this setting when performing maintenance on the pump or filter.
- **Backwash:** Reverses water flow through the filter to clean the sand bed. Water is discharged to waste. Perform when pressure gauge reads 8-10 PSI above normal operating pressure.
- **Recirculate:** Circulates water through the pump and valve, bypassing the filter. Used for chemical distribution without filtration.
- **Rinse:** Used after backwashing to flush out any remaining dirt from the filter lines before returning to filter mode. Water is discharged to waste.



Image: Detailed view of the 6-way valve, highlighting its functions, integrated pressure gauge, and clear viewing window.

6.2. Programmable Timer

The built-in timer allows for automated filtration cycles, improving efficiency and reducing manual intervention. It features 9 programmable settings from 2 to 24 hours.

- **Setting the Timer:** Refer to the timer control panel on the pump. Use the designated buttons to select the desired running duration (e.g., 2, 4, 6, 8, 10, 12, 14, 16, 24 hours).
- **Activation:** Once the time is set, the pump will operate for the programmed duration and then automatically shut off. It will repeat this cycle daily.
- **Manual Override:** The ON/OFF switch can be used to manually start or stop the pump, overriding the timer settings.

Smart Timer Control Set It Once, and Forget It.

-  Away on Vacation
-  Nighttime Filtration
-  Heavy-Use Season
-  Zero-Effort Mode



Image: The smart timer control panel, illustrating the programmable settings for daily filtration cycles.

6.3. How Sand Filtration Works

The sand filter operates by passing pool water through a bed of specialized filter sand or filter balls. As water flows through the media, small particles and debris are trapped, and clean water is returned to the pool.

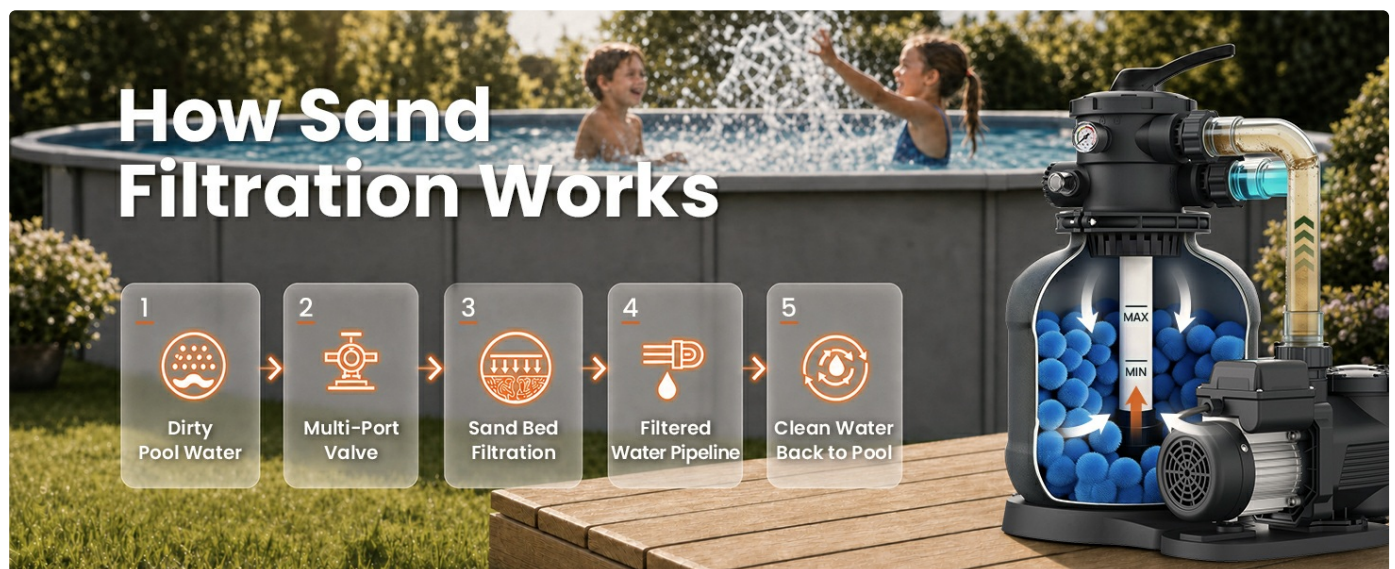


Image: Diagram illustrating the five steps of sand filtration: dirty pool water, multi-port valve, sand bed filtration, filtered water pipeline, and clean water returning to the pool.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your sand filter pump.

7.1. Backwashing and Rinsing

Backwash the filter when the pressure gauge reads 8-10 PSI above its normal clean operating pressure, or when water flow to the pool decreases significantly. This indicates the filter media is dirty.

1. **Turn off the pump.**
2. Set the 6-way valve to **BACKWASH**.
3. Turn on the pump and run until the water in the sight glass (if available) runs clear (typically 1-2 minutes).

4. **Turn off the pump.**
5. Set the 6-way valve to **RINSE**.
6. Turn on the pump and run for 30-60 seconds.
7. **Turn off the pump.**
8. Set the 6-way valve back to **FILTER**.
9. Turn on the pump to resume normal filtration.

7.2. Filter Media Replacement

Filter sand typically needs to be replaced every 3-5 years, depending on usage and water quality. Filter balls may require cleaning or replacement more frequently based on their condition.

- **Sand:** Over time, sand grains wear down and become less effective. Replace with new pool filter sand (60 lbs).
- **Filter Balls:** Filter balls can be rinsed and reused. Replace them when they no longer effectively filter debris or show signs of deterioration.

High-efficiency Filtration



1.8 lbs Filter Ball



60 lbs Sand

Image: Cross-section view of the filter tank showing the filter media (filter balls) and the recommended MIN/MAX fill lines.

7.3. Winterization

Before freezing temperatures arrive, drain all water from the pump, filter, and hoses. Store the pump and filter in a dry, protected area to prevent freeze damage.

8. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Pump not starting	No power; tripped GFCI; motor issue	Check power connection, reset GFCI, contact support if motor is faulty.
Low water flow	Dirty filter media; clogged skimmer/pump basket; air leak in suction line	Backwash/rinse filter; clean baskets; check all connections for leaks.
Cloudy pool water	Insufficient filtration time; dirty filter media; improper chemical balance	Increase filtration time; backwash/rinse filter; test and adjust pool chemicals.
Water leaking from connections	Loose connections; worn O-rings/gaskets	Tighten hose clamps and fittings; inspect and replace O-rings/gaskets if damaged.
Pressure gauge reading high	Dirty filter media	Perform backwash and rinse cycle.

9. WARRANTY AND SUPPORT

The Vidapool 13in Sand Filter Pump is backed by a **2-year warranty** from the date of purchase, covering manufacturing defects and workmanship under normal use. Please retain your proof of purchase for warranty claims. For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Vidapool customer support through the retailer where the product was purchased or visit the official Vidapool website for contact information.

Durable – Stable – Reliable



High-temp/Uv Tank



Pure Copper Motor



Ipx5 Waterproof



Heat-resistant



Image: Features highlighting the pump's durability, stability, and reliability, including a 2-year warranty badge.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question