

Steinbach 040949

Steinbach SPS 50-1T Filter Pump User Manual

Model: 040949

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your Steinbach SPS 50-1T self-priming filter pump. Please read this manual thoroughly before operating the pump to ensure proper function and longevity of the product. This filter pump is designed for use with swimming pools up to approximately 22,000 liters water content.

2. SAFETY INSTRUCTIONS

Important: Always disconnect the pump from the power supply before performing any installation, maintenance, or cleaning tasks.

- Ensure the power supply matches the pump's specifications (230V/250W).
- The pump must be installed on a stable, level surface, protected from direct weather exposure.
- Do not operate the pump if the power cord or plug is damaged.
- Keep children and unauthorized persons away from the pump during operation.
- Never run the pump dry. Ensure the pump is filled with water before starting.
- The maximum water temperature for operation is 35°C.
- All electrical connections should be performed by a qualified electrician and comply with local regulations.

3. PRODUCT OVERVIEW AND COMPONENTS

The Steinbach SPS 50-1T is a self-priming filter pump equipped with a pre-filter and an integrated timer. Familiarize yourself with the main components:



Figure 1: Overall view of the Steinbach SPS 50-1T filter pump, showing the motor, pump housing, pre-filter, and control panel.

- **Motor:** The electrical unit that drives the pump impeller.
- **Pump Housing:** Contains the impeller and directs water flow.
- **Pre-filter:** A transparent chamber with a removable basket designed to capture larger debris before it reaches the pump impeller, protecting the pump from damage.
- **Inlet/Outlet Connections:** Points for connecting hoses (Ø 32/38 mm).
- **Control Panel:** Features ON/OFF and TIMER buttons, along with indicator lights for setting operation duration.



Figure 2: Detailed view of the pre-filter assembly, showing the transparent lid and the hose connection point for the inlet.



Figure 3: The pump's control panel, featuring the ON/OFF button, TIMER button, and indicator lights for setting operational hours.

4. SETUP AND INSTALLATION

1. **Placement:** Position the pump on a firm, level surface, ideally below the water level of the pool for

easier priming. Ensure it is protected from rain and direct sunlight.

2. **Hose Connections:** Connect the pool's skimmer line to the pump's inlet (pre-filter side) and the return line to the pump's outlet. Use hoses with a diameter of Ø 32/38 mm. Secure all connections with hose clamps to prevent leaks.



Figure 4: View of the threaded inlet and outlet ports on the pump, ready for hose adapters.

3. **Priming the Pump:** Before starting, ensure the pre-filter is filled with water. If the pump is above water level, it may require manual priming by filling the pre-filter chamber until water flows into the pump housing.
4. **Electrical Connection:** Plug the pump into a grounded electrical outlet (230V). Ensure the outlet is protected by a Residual Current Device (RCD) for safety.

5. OPERATING INSTRUCTIONS

Once installed and primed, the pump is ready for operation.

5.1 Manual Operation

- Press the **ON/OFF** button on the control panel to start the pump.
- Press the **ON/OFF** button again to stop the pump.

5.2 Timer Function

The integrated timer allows for automated operation cycles.

1. Ensure the pump is connected to power.
2. Press the **TIMER** button repeatedly to select the desired operating duration (e.g., 2, 4, 6, 8, 10, 12, 14, 16, 24 hours). The corresponding indicator light will illuminate.
3. The pump will start and run for the selected duration, then automatically shut off.
4. The timer cycle will repeat daily at the same time it was initially set. To reset the timer, unplug the pump for a few seconds and then plug it back in.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump.

6.1 Cleaning the Pre-filter Basket

1. Disconnect the pump from the power supply.
2. Close any valves to prevent water flow from the pool.
3. Unscrew the transparent lid of the pre-filter.
4. Remove the pre-filter basket and clean it thoroughly under running water.
5. Inspect the O-ring seal on the lid for damage and ensure it is clean.
6. Replace the basket, secure the lid, and open the valves.
7. Re-prime the pump if necessary before restarting.



Figure 5: The pre-filter chamber with its transparent lid removed, showing the internal basket for debris collection.

6.2 Winterization

- At the end of the swimming season, disconnect the pump from power and drain all water from the pump and hoses to prevent freezing damage.
- Clean the pump thoroughly and store it in a dry, frost-free location.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power; tripped circuit breaker; motor overload.	Check power connection; reset circuit breaker; allow motor to cool.
Pump runs but no water flow	Pump not primed; air leak in suction line; clogged pre-filter basket; closed valves.	Prime the pump; check all connections for leaks; clean pre-filter; open all valves.
Reduced water flow	Partially clogged pre-filter; restricted suction or return lines; low water level in pool.	Clean pre-filter; check and clear hoses; ensure adequate pool water level.

Problem	Possible Cause	Solution
Excessive noise	Air in pump; cavitation; motor bearing wear.	Ensure pump is fully primed and no air leaks; check for obstructions in suction line; contact service if motor noise persists.

8. TECHNICAL SPECIFICATIONS


Feature	Specification
Model	SPS 50-1T (040949)
Power Supply	230V / 50Hz
Power Consumption	250 Watts
Pump Power (Flow Rate)	7,020 liters/hour (Q= 117 l/min)
Max. Pump Height (Head)	7.5 meters
Pump Type	Self-priming with Pre-Filter
Hose Connection	Ø 32/38 mm
Maximum Water Temperature	35°C
Maximum Pool Size	22,000 liters
Noise Level	Approx. 70 dB
Integrated Features	Timer
Product Dimensions	1 x 1 x 1 cm
Item Weight	6 Kilograms
Material	Metal (motor housing), Plastic (pump housing, pre-filter)

9. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please refer to the documentation provided with your purchase or contact Steinbach customer service. Keep your proof of purchase for warranty claims. You can find more information and contact details on the official Steinbach website:www.steinbach.at

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Related Documents - 040949

	<p>Steinbach Filterpumpe SPS 175-1T Bedienungsanleitung</p> <p>Finden Sie detaillierte Informationen zur Bedienung, Wartung und Sicherheit der Steinbach Filterpumpe SPS 175-1T. Diese Anleitung enthält Anleitungen zur Installation, zum Betrieb und zur Fehlerbehebung für Ihre Poolfilterpumpe.</p>
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[Steinbach Filterpumps with/without Timer Manual](#)

Comprehensive guide for Steinbach filter pumps with and without timers, covering installation, operation, safety, and troubleshooting.



[Steinbach Filteranlage Comfort 50 & Comfort 75: Umfassende Bedienungsanleitung](#)

Entdecken Sie die Steinbach Filteranlage Comfort 50 und Comfort 75. Dieses Handbuch bietet detaillierte Anleitungen zur Installation, Bedienung, Wartung und Sicherheit für klares Poolwasser.



[Steinbach 040912 Mechanical Seal - Technical Specifications](#)

Detailed technical specifications and dimensions for the Steinbach 040912 mechanical seal, a component for pool systems. Includes product dimensions and manufacturing tolerance information.