

Steinbach SPS 100-1 (040922)

Steinbach SPS 100-1 Self-Priming Filter Pump User Manual

Model: SPS 100-1 (040922) | Brand: Steinbach

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Steinbach SPS 100-1 self-priming filter pump. Please read all instructions carefully before installation and use. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

Important Safety Information:

- Always disconnect the pump from the power supply before performing any maintenance or cleaning.
- Ensure the electrical installation complies with local regulations and is protected by a Residual Current Device (RCD) with a tripping current not exceeding 30 mA.
- Do not operate the pump if the power cord or plug is damaged. Contact qualified personnel for repairs.
- The pump must be installed on a solid, level surface, protected from direct sunlight and rain.
- Ensure adequate ventilation around the pump motor to prevent overheating.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

3. PRODUCT OVERVIEW

The Steinbach SPS 100-1 is a self-priming filter pump designed for efficient water circulation in swimming pool filter systems, such as the Speed Clean Comfort 75. It operates without a built-in timer, offering



Figure 2: Close-up view of the pre-filter housing and the inlet connection with a hose attached. The transparent lid allows for easy inspection of the filter basket.



Figure 3: Detailed view of the pre-filter and the threaded inlet connection, ready for hose attachment.



Figure 4: Close-up of the pump's outlet connection with a hose securely fastened, directing filtered water.



Figure 5: Detailed view of the pump's threaded outlet connection, showing the port where the return hose connects.

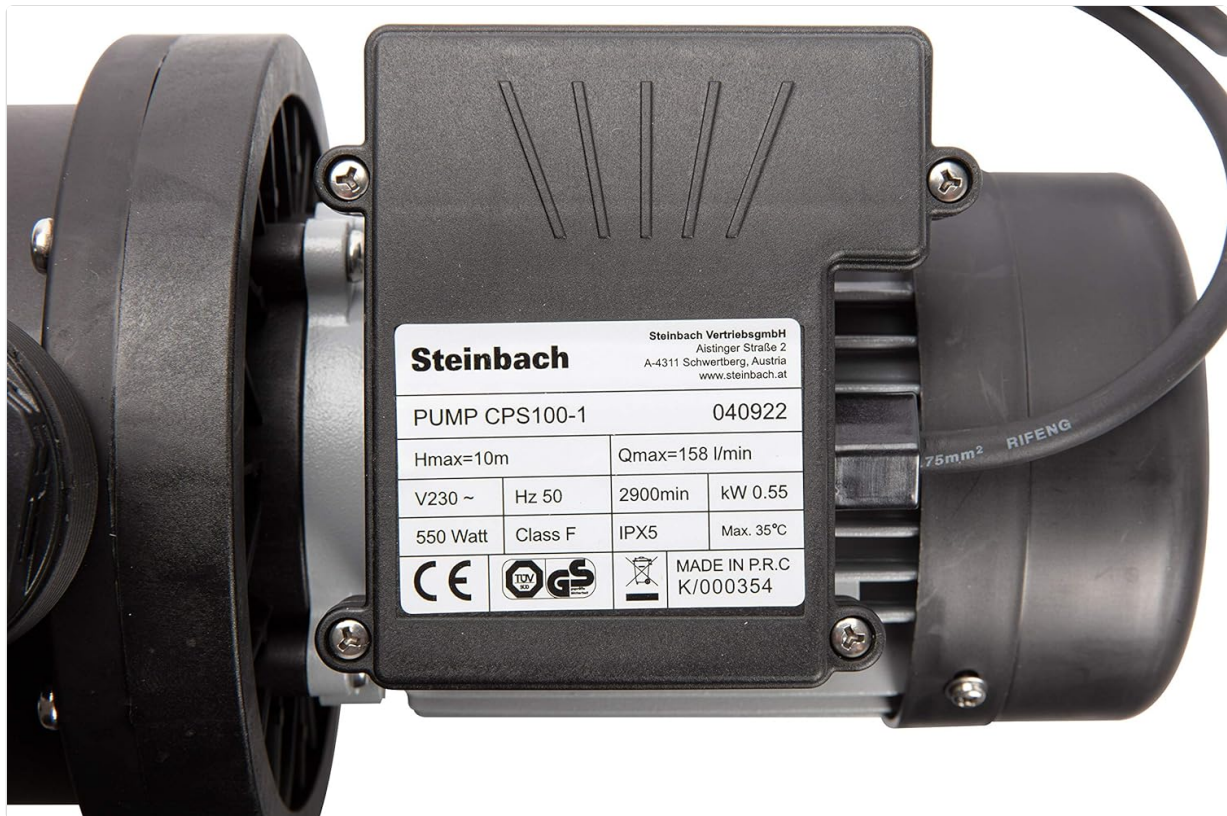


Figure 6: Product label displaying technical specifications such as model number, voltage, power, and flow rate.

4. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Refer to your specific filter system manual for detailed plumbing instructions.

4.1 Placement

- Position the pump as close to the pool as possible, below water level if feasible, to aid in self-priming.
- Ensure the pump is on a stable, level, and dry surface.
- Protect the pump from direct weather exposure (rain, snow, direct sunlight).
- Allow sufficient space around the motor for ventilation and maintenance access.

4.2 Plumbing Connections

- Connect the suction line from the pool skimmer/main drain to the pump's inlet (front connection).
- Connect the discharge line from the pump's outlet (top connection) to the filter system's inlet.
- Use appropriate fittings, clamps, and thread sealant (Teflon tape) to ensure watertight connections.
- Avoid kinks or sharp bends in hoses to maintain optimal flow.

4.3 Electrical Connection

- Ensure the power supply matches the pump's voltage (230 V).
- Plug the pump into a grounded electrical outlet protected by an RCD.
- Do not use extension cords unless absolutely necessary and ensure they are rated for outdoor use and the pump's power requirements.

5. OPERATING INSTRUCTIONS

5.1 Priming the Pump

As a self-priming pump, the SPS 100-1 can draw water, but initial priming is recommended for faster startup:

1. Ensure all valves are open, allowing water to flow from the pool to the pump.
2. Remove the transparent lid of the pre-filter.
3. Fill the pre-filter housing completely with water.
4. Replace the lid securely, ensuring the O-ring is properly seated to prevent air leaks.
5. Turn on the pump. It should begin to draw water and expel air. If it does not prime within a few minutes, turn it off, re-check connections, and repeat the priming process.

5.2 Normal Operation

- Once primed, the pump will continuously circulate water through your filter system.
- Monitor the pressure gauge on your filter (if applicable) to determine when backwashing or filter cleaning is needed.
- This model does not include a timer, so you will need to manually switch it on and off or connect it to an external timer (not included).

6. MAINTENANCE

6.1 Pre-Filter Basket Cleaning

Regularly inspect and clean the pre-filter basket to prevent debris buildup and maintain pump efficiency.

1. Turn off the pump and disconnect it from the power supply.
2. Close any necessary valves to prevent water flow from the pool.
3. Unscrew the transparent lid of the pre-filter.
4. Remove the basket and empty any collected debris.
5. Rinse the basket thoroughly with water.
6. Inspect the O-ring on the lid for damage and ensure it is clean.
7. Replace the basket and securely fasten the lid.

6.2 Winterization

Before freezing temperatures arrive, properly winterize your pump to prevent damage:

- Disconnect the pump from the power supply.
- Drain all water from the pump by removing the drain plug (usually located at the bottom of the pump housing).
- Disconnect all hoses and pipes.
- Clean the pre-filter basket and housing.
- Store the pump in a dry, frost-free location.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|---|--|
| Pump does not start | No power; tripped breaker/RCD; motor jammed | Check power connection, reset breaker/RCD; contact service if motor is jammed. |
| Pump runs but does not prime/no water flow | Air leak in suction line; pre-filter basket clogged; insufficient water in pre-filter; low pool water level | Check all connections for air leaks; clean pre-filter basket; fill pre-filter with water; ensure adequate pool water level. |
| Reduced water flow | Clogged pre-filter; clogged main filter; partially closed valves; debris in impeller | Clean pre-filter; backwash/clean main filter; open all valves fully; inspect impeller for debris (disconnect power first). |
| Loud noise/vibration | Air in pump; cavitation; loose mounting; worn bearings | Check for air leaks and prime pump; ensure adequate water supply; tighten mounting bolts; contact service for worn bearings. |

8. SPECIFICATIONS

| Feature | Specification |
|---------------------|--|
| Model Number | 040922 |
| Type | Self-Priming Filter Pump |
| Voltage | 230 V |
| Power | 550 W |
| Maximum Flow Rate | 158 Liters Per Minute (9.400 l/h) |
| Maximum Head Height | 10 Meters |
| Material | Stainless Steel (motor components), Durable Plastic (pump housing) |
| Weight | 5.96 kg |
| Color | Black |
| Features | Self-priming, No integrated timer, Suitable for Speed Clean Comfort 75 sand filter systems |

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Steinbach customer service directly. Keep your proof of purchase for warranty claims.

Contact Information:

- Manufacturer: Steinbach

- Website: www.steinbach.at (Please check for local support details)