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› Steinbach Mini Heat Pump User Manual

Steinbach 049275

Steinbach Mini Heat Pump User Manual

Model: 049275

1. INTRODUCTION

The Steinbach Mini Heat Pump is designed to efficiently heat pool water, extending your swimming season and enhancing comfort. This compact and automatic heat pump features an integrated flow sensor and a digital LED display for easy operation. It is suitable for pools up to 20,000 liters and includes a titanium heat exchanger, making it compatible with saltwater pools (salt concentration not exceeding 0.50% or 5 g/l).

Please read this manual thoroughly before installation and operation to ensure safe and optimal performance of your heat pump.

2. SAFETY INFORMATION

- Always disconnect the power supply before performing any maintenance or installation work.
- Ensure the heat pump is installed on a stable, level surface with adequate ventilation.
- Do not operate the heat pump if any part is damaged or if the power cord is frayed.
- Keep children and pets away from the unit during operation.
- Only qualified personnel should perform repairs.
- Ensure proper grounding of the electrical connection.

3. SETUP AND INSTALLATION

The Steinbach Mini Heat Pump is designed for quick and easy installation. It should be installed after the filter system and before any chemical dosing units.

3.1 Unpacking and Placement

Carefully remove the heat pump from its packaging. Place the unit on a firm, level surface near your pool, ensuring sufficient space around it for air circulation (at least 50 cm clearance on all sides, especially the fan outlet).



Image: The Steinbach Mini Heat Pump, a compact grey unit with a large fan on the front and blue water connections on the side.

3.2 Water Connections

Connect the heat pump to your pool's filtration system using 32/38 mm diameter hoses. Water flows from the filter, through the heat pump, and then back to the pool.



Image: A close-up view of one of the blue threaded water inlet/outlet connections on the side of the heat pump.



Image: A close-up view of a white hose adapter connected to one of the heat pump's water ports, showing the sealing O-ring.

3.3 Electrical Connection

Connect the heat pump to a grounded 220V power outlet. Ensure the electrical circuit can handle the heat pump's power requirements (3,900 W heating power).

3.4 Typical Installation Diagram

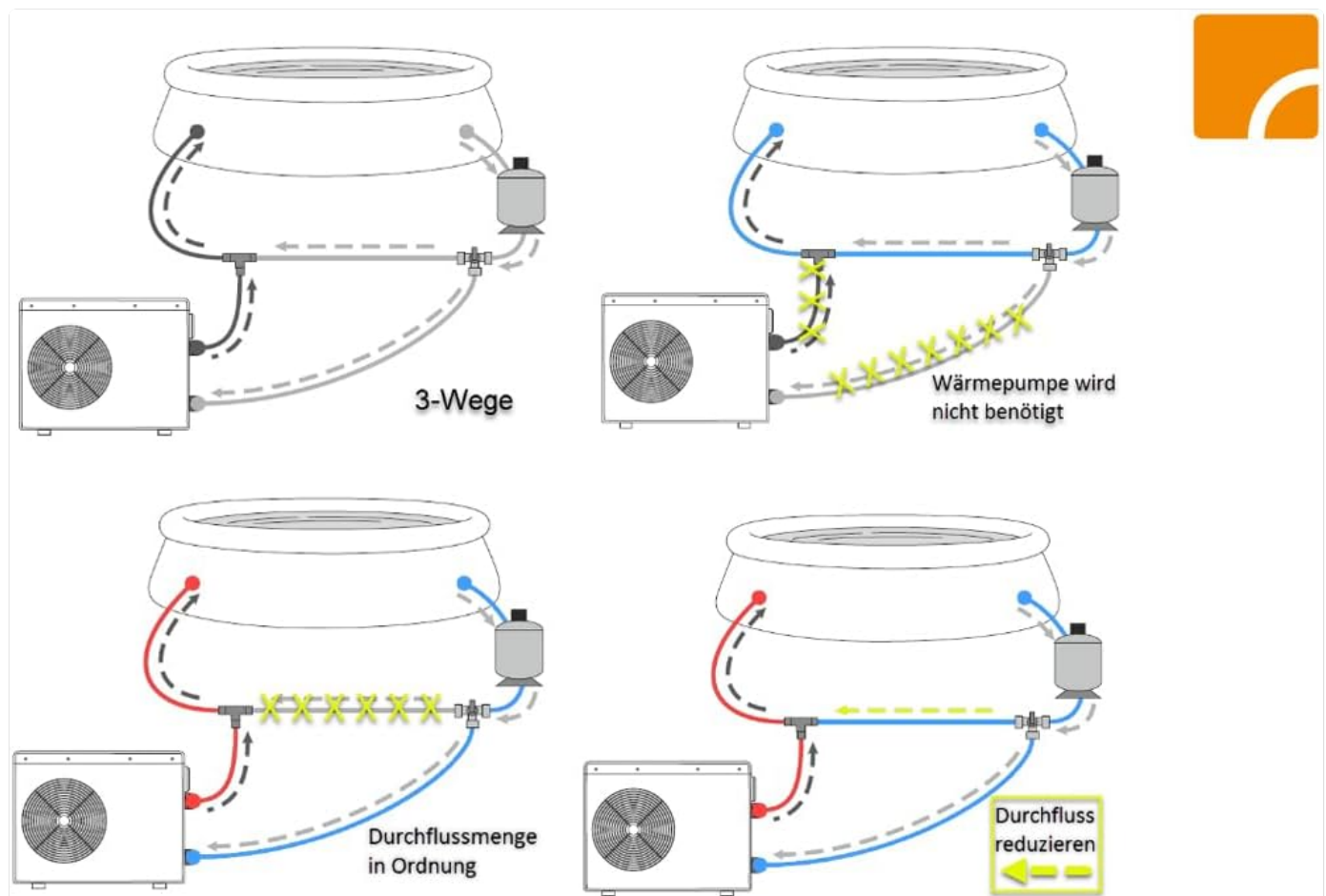


Image: A diagram illustrating various plumbing configurations for the heat pump, including a 3-way valve setup to bypass the heat pump when not needed, and scenarios for proper and reduced flow.

4. OPERATING INSTRUCTIONS

The heat pump features a digital control panel with an LED display for easy temperature setting and monitoring.

4.1 Control Panel Overview



Image: A close-up of the heat pump's digital control panel, showing a red LED display indicating '21' and buttons for power, set, and up/down arrows.

4.2 Initial Start-up

1. Ensure all water connections are secure and leak-free.
2. Turn on your pool's filtration pump to ensure water flow through the heat pump.
3. Connect the heat pump to the power supply.
4. Press the power button on the control panel to turn on the unit.

4.3 Setting Desired Temperature

- Press the 'Set' button to enter temperature adjustment mode.
- Use the 'Up' and 'Down' arrow buttons to select your desired water temperature.
- Press 'Set' again or wait a few seconds for the setting to be saved.

The heat pump will automatically start heating when the pool water temperature falls below the set temperature and stop when it reaches the desired level, provided there is sufficient water flow.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your Steinbach Mini Heat Pump.

5.1 Cleaning

- Periodically clean the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

- Ensure the fan grille is free from debris (leaves, dirt) to maintain proper airflow.

5.2 Winterization

Before winter or prolonged periods of non-use, drain all water from the heat pump to prevent freezing damage. Disconnect hoses and store the unit in a dry, protected area.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Heat pump not turning on	No power supply; tripped circuit breaker; faulty wiring.	Check power connection; reset circuit breaker; consult an electrician.
No heating or insufficient heating	Insufficient water flow; incorrect temperature setting; ambient temperature too low.	Ensure filter pump is running and clean; adjust temperature setting; heat pump efficiency decreases in very cold weather.
Error code on display	Specific internal issue (e.g., flow sensor, temperature sensor).	Refer to the specific error code in the full manual or contact customer support.
Water leakage	Loose connections; damaged hoses or seals.	Tighten connections; inspect and replace damaged parts.

7. SPECIFICATIONS

- **Model Number:** 049275
- **Product Dimensions:** 42 x 40 x 41 cm
- **Weight:** 20 kg
- **Material Type:** Titanium (heat exchanger)
- **Recommended Pool Capacity:** Up to 20,000 liters
- **Power Source Type:** Corded Electric
- **Operating Voltage:** 220 V
- **Heating Power:** 3,900 W
- **Water Connection Diameter:** 32/38 mm

8. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please contact Steinbach customer service. Details can typically be found on the manufacturer's official website or the product packaging.

Keep your purchase receipt as proof of purchase for warranty claims.

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