

Speck 39191103

Speck BADU Top II/12 Pool Circulation Pump

USER MANUAL

Model: 39191103

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Speck BADU Top II/12 Pool Circulation Pump. Please read this manual thoroughly before using the product and keep it for future reference.

The Speck BADU Top II/12 is a self-priming circulation pump specifically designed for effective pool water filtration. It is suitable for various pool types, including medium-sized above-ground pools, in-ground pools, and small swimming ponds. This pump can be installed up to 3 meters above or below the water level. Its robust construction, featuring carefully selected materials and an integrated fiber catcher, ensures reliable and low-maintenance performance, making it a proven long-term solution for pool circulation.

2. Safety Instructions

Adherence to these safety guidelines is crucial to prevent injury and damage to the equipment. Always consult a qualified electrician for electrical installations.

- **Electrical Safety:** Always disconnect the power supply to the pump before performing any installation, maintenance, or repair work. Ensure the pump is properly grounded to prevent electric shock.
- **Water and Electricity:** Never operate the pump if it or its electrical connections are wet. Do not handle the pump with wet hands.
- **Installation:** Ensure the pump is installed on a stable, level surface in a well-ventilated area, protected from direct sunlight and adverse weather conditions.
- **Operation:** Do not run the pump dry. Running without water can cause severe damage to the pump. Ensure all connections are secure and leak-free before starting.
- **Children and Pets:** Keep children and pets away from the pump and filtration system during operation.
- **Damaged Equipment:** Do not operate the pump if it shows any signs of damage to the casing, cables, or connections. Contact qualified personnel for repair.

3. Product Overview

The Speck BADU Top II/12 pump is a block pump featuring an integrated fiber catcher. Its design incorporates a sliding bellows seal mounted on a plastic impeller hub, ensuring that the motor shaft does not come into contact with the pool water, providing complete electrical separation for enhanced safety.



Figure 1: Speck BADU Top II/12 Pool Circulation Pump. This image displays the pump's main components, including the transparent lid of the integrated fiber catcher, the robust pump housing, the electric motor with its cooling fins, and the stable base. A black wrench, likely for maintenance, is positioned in the foreground.

Key features include:

- Integrated fiber catcher with approximately 3 L capacity.
- Suction mesh width of approximately 3.2 mm x 2.6 mm.
- Self-priming capability.
- Electrical separation between motor and pool water.

4. Setup (Installation)

Proper installation is vital for the pump's performance and longevity.

1. **Placement:** Position the pump on a firm, level, and vibration-free surface. Ensure it is in a dry, well-ventilated area, protected from direct sunlight and adverse weather conditions. The pump can be placed up to 3 meters above or below the water level.
2. **Piping Connections:** Connect the suction line from the pool skimmer/main drain to the pump's inlet and the return line from the pump's outlet to the filter system. Use appropriate fittings and sealants to ensure watertight connections.
3. **Electrical Connection:** Connect the pump to a dedicated, properly grounded electrical circuit. The pump

requires a 230V power supply. Ensure all electrical connections comply with local electrical codes and regulations.

4. **Priming:** Before the first start-up, the pump must be primed. Fill the fiber catcher with water until the pump housing is full. Securely close the fiber catcher lid. This step is crucial for self-priming pumps to establish suction.

5. Operating Instructions

Once installed and primed, operating the Speck BADU Top II/12 is straightforward.

1. **Starting the Pump:** After ensuring the pump is primed and all connections are secure, switch on the power supply to the pump. The pump should start circulating water immediately.
2. **Monitoring:** Observe the pump during its initial operation. Check for any unusual noises, vibrations, or leaks. Ensure water is flowing smoothly through the filtration system.
3. **Run Time:** The duration of pump operation depends on pool size, usage, and water quality. Consult your pool professional for recommended daily run times to ensure adequate filtration.

6. Maintenance

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

- **Fiber Catcher Cleaning:** The integrated fiber catcher should be inspected and cleaned regularly, depending on the amount of debris in your pool.
 - a. Disconnect power to the pump.
 - b. Close any necessary valves to prevent water flow.
 - c. Unscrew the transparent lid of the fiber catcher.
 - d. Remove the basket and empty any collected debris.
 - e. Rinse the basket and replace it.
 - f. Ensure the O-ring on the lid is clean and properly seated, then screw the lid back on securely.
- **General Inspection:** Periodically check all connections for leaks and ensure the pump is free from external debris. Listen for any unusual noises that might indicate a problem.
- **Winterization:** In regions with freezing temperatures, the pump must be properly winterized.
 - a. Disconnect power and drain all water from the pump and associated piping.
 - b. Remove the drain plugs (if applicable) and store them safely.
 - c. Store the pump in a dry, frost-free location during the off-season.

7. Troubleshooting

This section provides solutions to common issues. For problems not listed here, contact a qualified technician.

| Problem | Possible Cause | Solution |
|---------------------------|---|--|
| Pump does not start | No power supply; tripped circuit breaker; motor seized. | Check power connection and circuit breaker. If motor is seized, contact service. |
| Low water flow or no flow | Clogged fiber catcher; air leak in suction line; impeller clogged; pump not primed. | Clean fiber catcher. Check suction line for leaks. Inspect impeller for debris. Re-prime the pump. |

| Problem | Possible Cause | Solution |
|-------------------------|---|--|
| Pump is noisy | Air in the system; cavitation; worn bearings; debris in impeller. | Check for air leaks in suction line. Ensure adequate water supply. If noise persists, contact service. |
| Water leaking from pump | Loose connections; damaged O-rings or seals. | Tighten connections. Inspect and replace O-rings or seals as needed. |

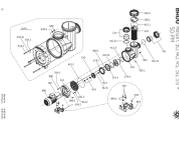
8. Specifications

| Attribute | Value |
|--------------------------|---|
| Brand | Speck |
| Model | BADU Top II/12 |
| Manufacturer Part Number | 39191103 |
| Power Input | 0.69 kW |
| Power Output | 0.45 kW |
| Voltage | 230 V |
| Filtration Capacity | 11 m ³ /h at 8 meters water column |
| Max. Suction Height | 3 Meters |
| Material | Polypropylene (PP) |
| Fiber Catcher Capacity | Approx. 3 L |
| Suction Mesh Width | Approx. 3.2 mm x 2.6 mm |

9. Warranty and Support

For information regarding the product warranty, please refer to the documentation provided at the time of purchase or contact your retailer. Specific warranty terms and conditions, as well as details on customer support, can also be obtained directly from the manufacturer, Speck, via their official website or customer service channels.

When contacting support, please have your pump's model number (39191103) and purchase date readily available.

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|  <p>OWNER'S MANUAL SPECK X Swimming Pool and Spa Pump PUMPS READ THIS MANUAL CAREFULLY BEFORE USING THE SPECK PUMP</p> <p>IMPORTANT SAFETY INSTRUCTIONS</p> <p>READ AND FOLLOW ALL INSTRUCTIONS.</p> <p>SAVE THESE INSTRUCTIONS!</p> | <p>Speck Pumps Owner's Manual: Installation, Operation, and Service Guide</p> <p>Comprehensive owner's manual for Speck Pumps swimming pool and spa pumps, covering installation, safety, operation, maintenance, troubleshooting, and parts replacement. Includes BADU Pro-III/V UVS/CVS models and a guide for the Speck Slow-Dissolve Cal-Hypo Feeder.</p> |
|  <p>OWNER'S MANUAL SPECK X Swimming Pool and Spa Pump PUMPS READ THIS MANUAL CAREFULLY BEFORE USING THE SPECK PUMP</p> <p>IMPORTANT SAFETY INSTRUCTIONS</p> <p>READ AND FOLLOW ALL INSTRUCTIONS.</p> <p>SAVE THESE INSTRUCTIONS!</p> | <p>Speck Pumps Swimming Pool and Spa Pump Owner's Manual - Installation & Operation Guide</p> <p>Comprehensive owner's manual for Speck Pumps swimming pool and spa pumps. Includes installation, operation, safety instructions, maintenance, troubleshooting, and limited warranty information for the BADU Pro Series.</p> |
|  <p>Telepítési kézikönyv</p> <p>BADUJET Turbo Pro</p>  <p>SPECK X PUMPS</p> | <p>BADUJET Turbo Pro Telepítési Kézikönyv Speck Pumps</p> <p>Hivatalos telepítési útmutató a Speck Pumps BADUJET Turbo Pro swimjet rendszeréhez. Biztonsági utasítások, telepítési lépések, specifikációk és karbantartási útmutató.</p> |
|  <p>OWNER'S MANUAL SPECK X Swimming Pool Pump PUMPS READ THIS MANUAL CAREFULLY BEFORE USING THE SPECK PUMP</p> <p>IMPORTANT SAFETY INSTRUCTIONS</p> <p>READ AND FOLLOW ALL INSTRUCTIONS.</p> <p>SAVE THESE INSTRUCTIONS!</p> | <p>Speck X Swimming Pool Pump Owner's Manual: Installation, Operation, and Maintenance</p> <p>Comprehensive owner's manual for the Speck X Swimming Pool Pump, covering installation, safe operation, maintenance procedures, troubleshooting, and limited warranty information. Essential guide for pool owners and service professionals.</p> |
|  <p>BADU RESORT PUMP SPARE PARTS AND ASSEMBLY DIAGRAMS</p> | <p>BADU Resort Pump Spare Parts and Assembly Diagrams</p> <p>Comprehensive spare parts list and visual guide for BADU Resort swimming pool pumps, including models 30, 40, 45, 50, 55, 60, 70, 80, 110, and their PM variants. Details part numbers, descriptions, and article numbers for each component.</p> |
|  <p>Handleiding</p> <p>Aqua Easy Pool Control 4</p>  | <p>Aqua Easy Pool Control 4 Handleiding</p> <p>Gedetailleerde handleiding voor de Aqua Easy Pool Control 4 zwembadbesturing, inclusief algemene beschrijving, bediening, filterbesturing, verwarming, solar, systeeminstellingen en elektrische aansluitingen.</p> |