

Bihui SCVU8

BIHUI 8" Pump Vacuum Suction Cup Instruction Manual

MODEL: SCVU8

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your BIHUI 8-inch Pump Vacuum Suction Cup, Model SCVU8. This tool is designed for lifting and handling various materials, including large porcelain, stone tiles, and glass, particularly on textured surfaces. Please read this manual thoroughly before operation and retain it for future reference.

2. SAFETY INFORMATION

Always prioritize safety when using this tool. Failure to follow these instructions may result in injury or damage to property.

- **Inspect Before Use:** Before each use, check the suction cup and all components for any signs of damage, wear, or debris. Do not use if damaged.
- **Clean Surfaces:** Ensure both the suction cup pad and the material surface are clean, dry, and free of dust, oil, or other contaminants.
- **Weight Capacity:** Do not exceed the stated lifting capacity of 244 lbs (110 kg). Overloading can lead to sudden loss of suction.
- **Secure Grip:** Always ensure a strong, stable vacuum seal is established before attempting to lift or move any material.
- **Release Mechanism:** Understand how to quickly release the vacuum in case of an emergency or when finished.
- **Personal Protective Equipment:** Wear appropriate safety gear, such as gloves and safety footwear, when handling heavy or sharp materials.
- **Stable Environment:** Use the suction cup on stable, level surfaces. Avoid using it in windy conditions or on unstable loads.

3. PRODUCT OVERVIEW

The BIHUI SCVU8 is an 8-inch pump vacuum suction cup designed for robust material handling. Key features include:

- 8-inch suction cup diameter.
- Quick release lever for easy disengagement.
- Comfort pump action for creating vacuum.
- Lifting capacity of 244 lbs (110 kg).
- Anti-slip, soft grip handle for secure handling.
- Lightweight and durable structure.
- Suitable for both smooth and textured surfaces.



Figure 3.1: Front view of the BIHUI 8-inch Pump Vacuum Suction Cup. This image shows the main body of the suction cup, including the handle, pump mechanism, and the 8-inch suction pad.



Figure 3.2: Angled view of the suction cup, highlighting the ergonomic handle and the robust construction.



Figure 3.3: Close-up of the pump plunger and the red quick-release lever, which are crucial for creating and releasing the vacuum seal.

4. SETUP

Proper setup ensures maximum suction and safety.

1. **Clean Surfaces:** Thoroughly clean the surface of the material you intend to lift and the rubber pad of the suction cup. Ensure both are free of dust, dirt, moisture, and debris. A clean surface is critical for a strong vacuum seal.
2. **Position the Suction Cup:** Place the suction cup firmly onto the desired surface. Ensure the entire rubber pad makes full contact with the material.
3. **Engage the Pump:** Repeatedly press the pump plunger until the red line on the plunger disappears. This indicates a full vacuum has been achieved.
4. **Verify Suction:** Gently pull on the handle to confirm the suction cup is securely attached to the material. If it moves or feels loose, release the vacuum, reposition, and re-pump.



Figure 4.1: A hand operating the pump mechanism of the suction cup on a dark, textured surface, demonstrating the initial setup for creating a vacuum seal.

5. OPERATING INSTRUCTIONS

Once the suction cup is securely attached, you can proceed with lifting and moving materials.

1. **Lift and Move:** With a firm grip on the handle, carefully lift and transport the material. Maintain a steady and controlled movement. Avoid sudden jerks or impacts.
2. **Monitor Vacuum:** Periodically check the red line on the pump plunger. If it reappears, it indicates a loss of vacuum. Immediately place the material down and re-pump to restore full suction before continuing.
3. **Release Material:** To release the material, press the quick-release lever located near the pump plunger. This will break the vacuum seal, allowing you to remove the suction cup.



Figure 5.1: A person demonstrating the use of the suction cup to lift and maneuver a large, dark tile, showcasing the product in action during material handling.

6. MAINTENANCE

Regular maintenance will extend the lifespan of your suction cup and ensure reliable performance.

- **Cleaning:** After each use, clean the rubber pad with a damp cloth to remove any residue. Do not use harsh chemicals or abrasive cleaners, as these can damage the rubber.
- **Storage:** Store the suction cup in a clean, dry place, away from direct sunlight and extreme temperatures. Ensure the rubber pad is not compressed or folded during storage to prevent deformation.
- **Inspection:** Periodically inspect the rubber pad for cracks, tears, or hardening. Replace the suction cup if the pad shows significant signs of wear, as this can compromise suction performance.



Figure 6.1: Underside view of the suction cup, displaying the textured rubber pad. Regular cleaning and inspection of this surface are crucial for maintaining optimal suction.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Suction cup does not hold vacuum or loses suction quickly.	Dirty or wet surfaces; damaged rubber pad; insufficient pumping; air leak.	Clean both surfaces thoroughly. Inspect rubber pad for damage and replace if necessary. Ensure red line disappears after pumping. Check for proper seal.
Red line on pump plunger reappears during use.	Gradual air leakage; surface porosity; insufficient initial vacuum.	Immediately place material down. Re-pump to restore full vacuum. If problem persists, check surface and suction cup for issues.

Problem	Possible Cause	Solution
Difficulty releasing the suction cup.	Release lever not fully engaged; strong vacuum seal.	Ensure the quick-release lever is fully pressed. If necessary, gently pry the edge of the rubber pad to break the seal.

8. SPECIFICATIONS

- **Model:** SCVU8
- **Manufacturer:** BIHUI
- **Suction Cup Diameter:** 8 inches
- **Lifting Capacity:** 244 lbs (110 kg)
- **Item Weight:** 2.2 pounds
- **Product Dimensions:** 9.45 x 3.94 x 11.81 inches
- **Power Source:** Hand-powered
- **Special Features:** Quick release lever, comfort pump action, anti-slip grip, suitable for textured surfaces.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact BIHUI customer service directly. Keep your purchase receipt as proof of purchase.