## VINGLI Pool cleaner 277

# VINGLI Pool Vacuum Cleaner Instruction Manual

Model: Pool cleaner 277
Brand: VINGLI

## Introduction

The VINGLI Automatic Sweeper Swimming Pool Creepy Crawler Vacuum is designed to efficiently clean your swimming pool, including the walls, by removing dirt and debris. This suction-powered cleaner is easy to set up and operates quietly, providing a hassle-free solution for maintaining a clean pool environment. It is suitable for in-ground pools and requires a pump of at least 3/4 HP or 1600 GHP for proper function.

## Product Overview & Components

The VINGLI Pool Vacuum Cleaner comes with several key components designed for effective pool cleaning.




Figure 1: Main unit of the VINGLI Pool Vacuum Cleaner with hoses.

- **Main Cleaner Unit:** The core device responsible for suction and movement.
- **Hoses:** Ten 3.3FT durable hoses are included, allowing for adjustable length to suit various pool depths.
- **Diaphragm:** A crucial internal component that enables the cleaner's movement and debris intake.
- **Regulating Valve:** Used to adjust suction power for optimal performance.
- **Wheel Deflector:** Assists the cleaner in navigating around tight corners.

## Setup & Installation

Proper assembly and connection are essential for the cleaner's performance. The cleaner requires at least a 3/4 HP swimming pool pump or 1600 GHP to function correctly.

1. **Assemble Main Unit:** Connect the main cleaner components as per the diagrams provided. Ensure all connections are tight to prevent air leakage, which can affect performance.
2. **Connect Hoses:** Attach the provided 3.3FT hoses together to achieve the desired length for your pool's depth.
3. **Attach to Filtration System:** Connect the assembled hose to your existing pool filtration system, typically through the skimmer.

4. **Adjust Regulating Valve:** If suction is too large or too small, adjust the regulating valve to achieve optimal cleaning power.

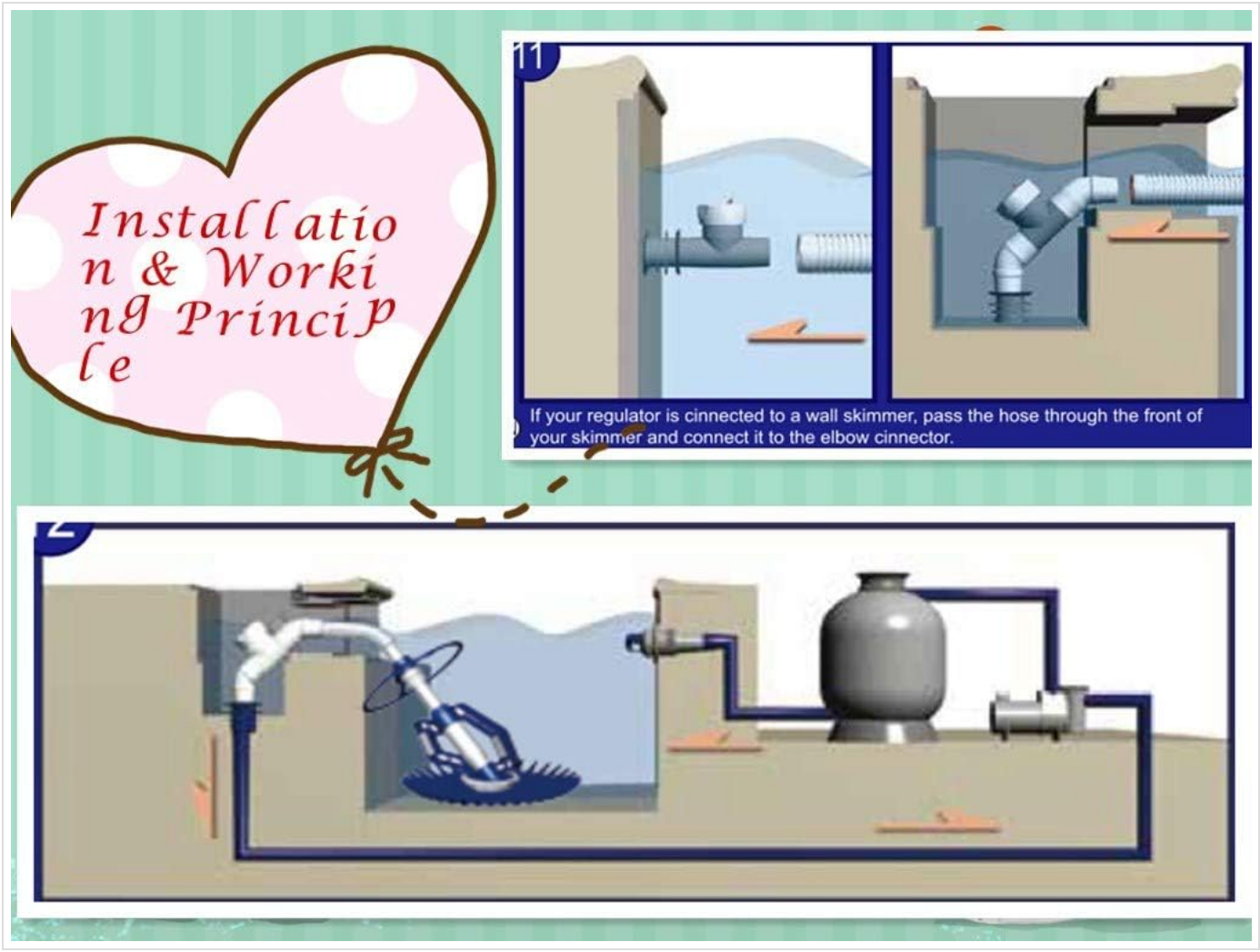



Figure 2: Installation and working principle diagram.

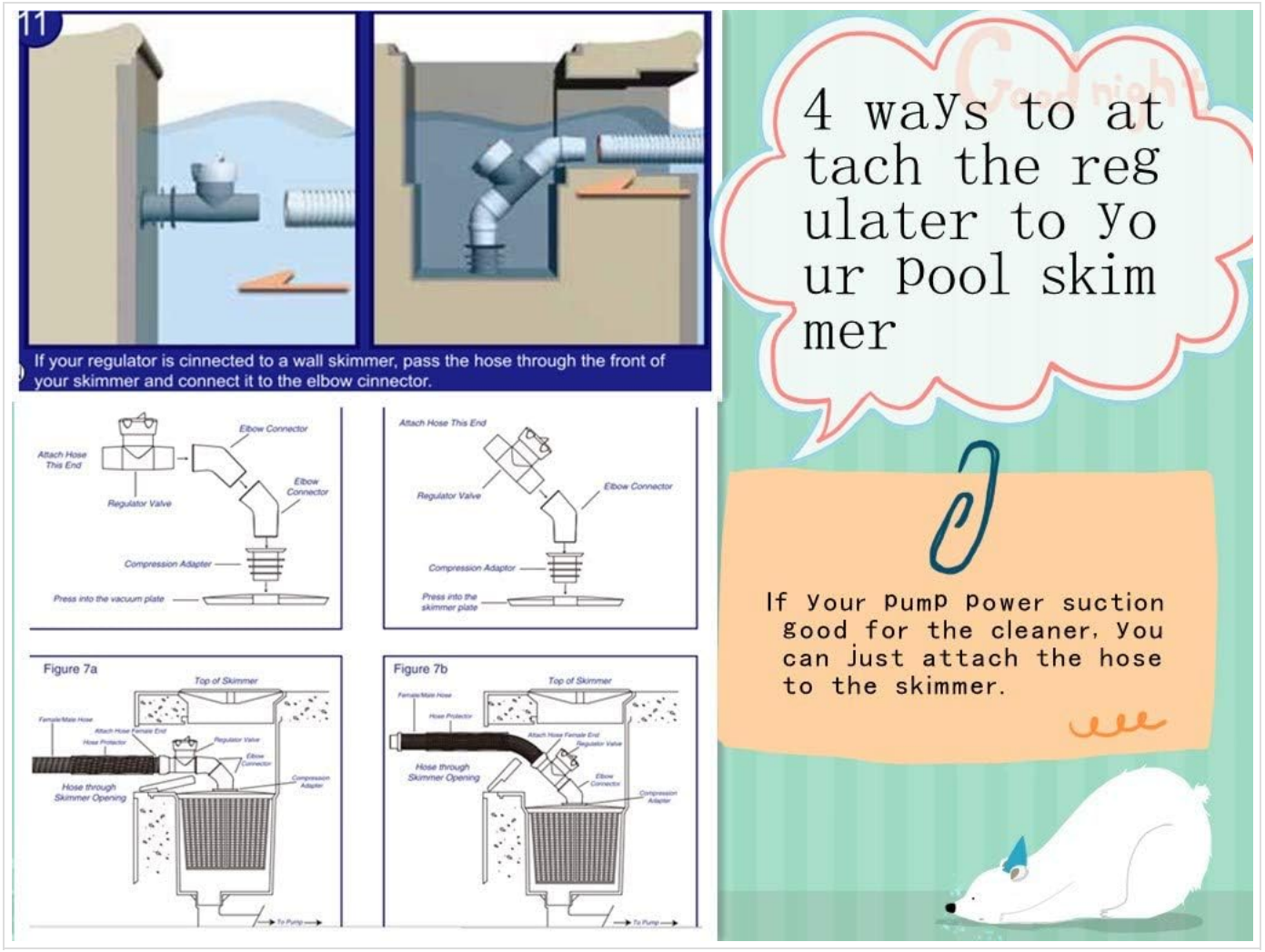



Figure 3: Various methods for attaching the regulator to your pool skimmer.

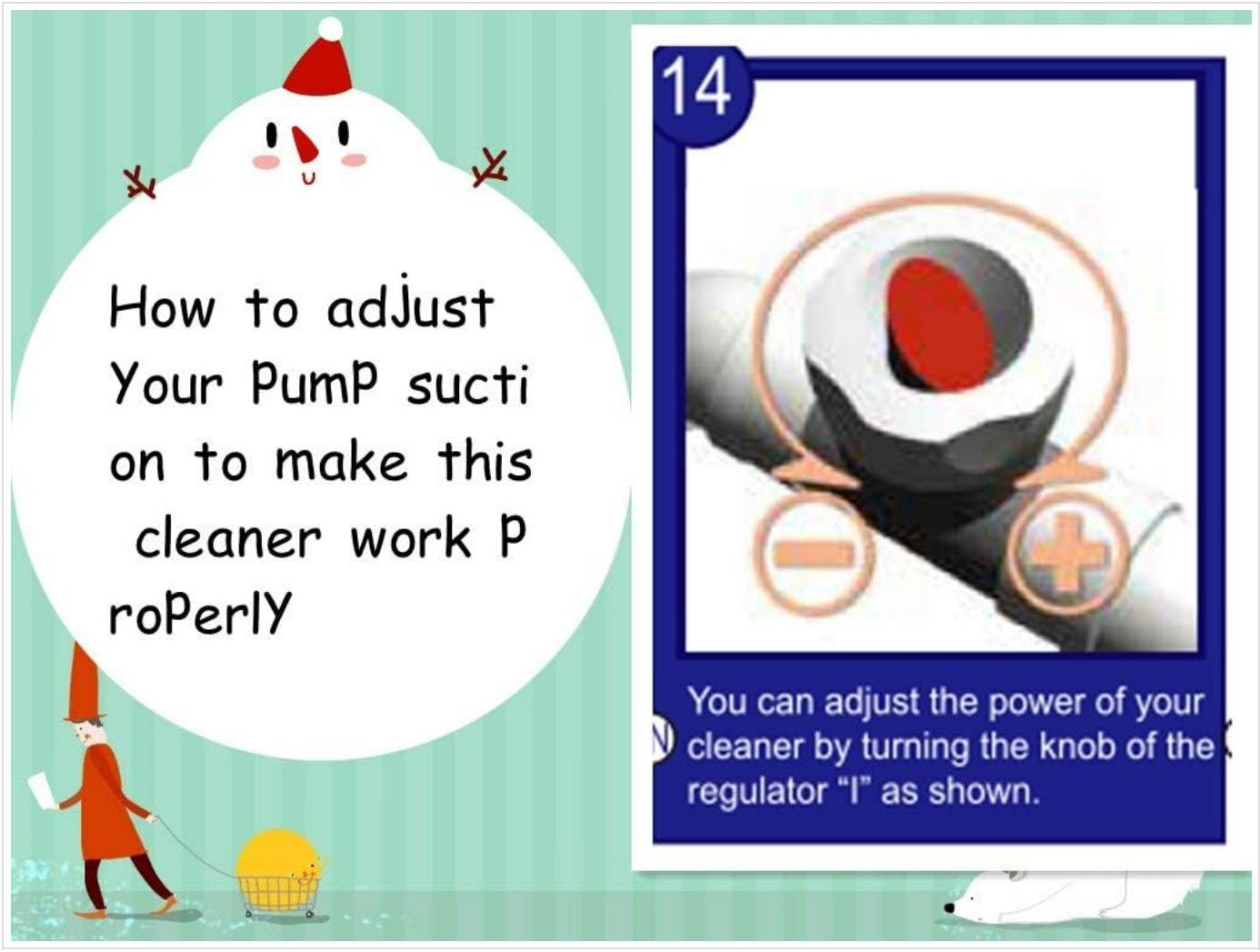



Figure 4: Adjusting the pump suction to ensure proper cleaner operation.

### Video Guide: Unboxing and Setup

[redacted]

Video 1: A detailed unboxing, review, and tutorial for the VINGLI Pool Vacuum Cleaner, demonstrating assembly steps.

## Operating Instructions

Once assembled and connected, the cleaner will begin its operation.

1. **Submerge Cleaner:** Gently lower the cleaner into the pool, ensuring it is fully submerged and any trapped air is released from the hose.
2. **Monitor Movement:** The cleaner will move randomly across the pool floor and walls, collecting debris.
3. **Adjust Buoyancy (if needed):** If the cleaner leans too far forward or backward during operation, adjust the buoyancy as indicated in the manual to ensure stable movement.




Figure 5: The VINGLI Pool Vacuum Cleaner actively cleaning the pool floor.

## Video Guide: Wall Climbing Demonstration

[redacted]

Video 2: Demonstration of the pool cleaner's ability to climb pool walls and stairs effectively.

## Maintenance

Regular maintenance ensures the longevity and efficiency of your pool cleaner.

- **Diaphragm Inspection:** The diaphragm is the most important part. Through its pulsation, the cleaner moves and allows debris to pass. If the diaphragm is damaged or stuck, the cleaner will not work. Regularly check the diaphragm for damage or obstructions (e.g., small rocks).
- **Diaphragm Replacement:** If the diaphragm needs replacement, follow these steps:
    1. Unscrew the cover pole with the wheel from the body.
    2. Pull the diaphragm and inner pole from the body.
    3. Then push the new diaphragm onto the inner pole.

4. Insert the diaphragm with the inner pole back into the body.
5. Screw back the cover pole with the wheel.

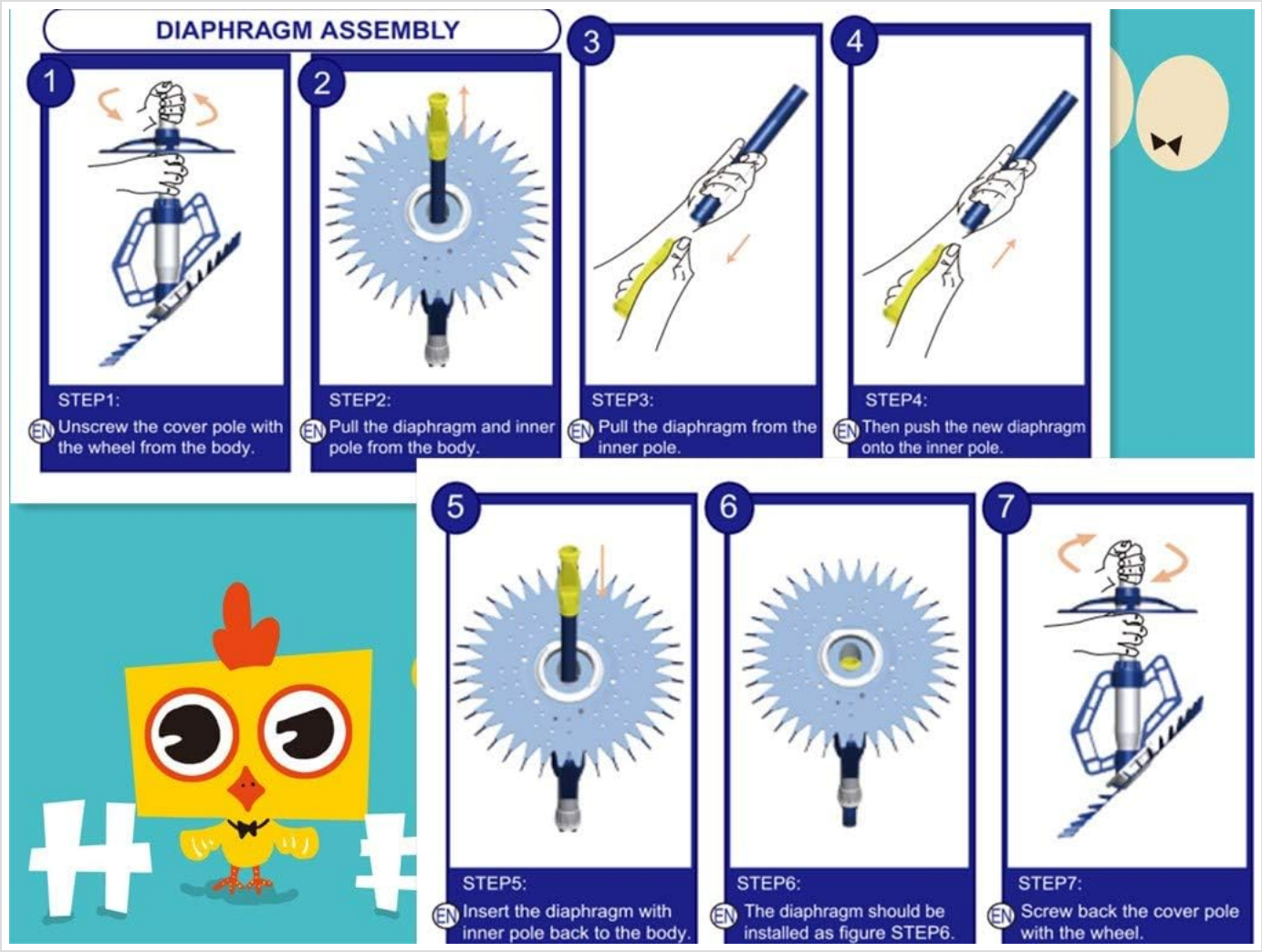



Figure 6: Step-by-step guide for diaphragm assembly and replacement.

## Troubleshooting

If your VINGLI Pool Vacuum Cleaner is not operating as expected, consider the following common issues and solutions:

- **Cleaner Not Moving or Slow:**
  - Check for air leaks in connections. Ensure all parts are tightly connected.
  - Verify pump horsepower (minimum 3/4 HP or 1600 GHP).
  - Adjust the regulating valve to increase suction if it's too low.
  - Inspect the diaphragm for damage or obstructions. A damaged or stuck diaphragm will prevent movement.
- **Cleaner Stops When Reaching Pool Surface:**
  - Adjust the regulating valve to lower the suction.

## Specifications

| Feature | Specification |
| --- | --- |
| Power Source | Suction Powered |
| Item Weight | 10.4 Pounds |

| Feature | Specification |
| --- | --- |
| Hose Length | 330 Inches (Ten 3.3FT hoses) |
| Special Feature | Adjustable Suction Power |
| Assembly Required | Yes |
| Control Method | Touch |
| Load Capacity (Min. Pump) | 3/4 HP |
| Efficiency | High |
| Assembly Time | 3 minutes (approx.) |
| Installation Type | User-installed |
| Product Dimensions | 18.5"L x 18.5"W x 39.4"H |
| Material | Plastic |
| Color | Navy Blue & White |

## Warranty & Support

The VINGLI Pool Vacuum Cleaner comes with a one-year warranty. If any part of this item breaks within one year, you can contact the seller for a free replacement. For any questions or concerns about your order, please keep in touch with VINGLI customer support for timely and satisfying solutions.
Contact information for support can typically be found on the product packaging or through the retailer's website where the product was purchased.

© 2024 VINGLI. All rights reserved.