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› U.S. Pool Supply Octopus Cordless Handheld Pool Vacuum Cleaner (Model USP PVC-1121) Instruction Manual

U.S. Pool Supply USP PVC-1121

U.S. Pool Supply Octopus Cordless Handheld Pool Vacuum Cleaner

Model: USP PVC-1121

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation and maintenance of your U.S. Pool Supply Octopus Cordless Handheld Pool Vacuum Cleaner. This rechargeable, two-speed vacuum is designed for debris removal in above-ground and in-ground pools and spas.



Image 1.1: The U.S. Pool Supply Octopus Cordless Handheld Pool Vacuum Cleaner, showcasing its teal color and ergonomic design.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

- Read all instructions before operating the appliance.
- Do not operate the vacuum out of water.
- Ensure the charging port is dry before connecting the charger.
- Keep hands, hair, and loose clothing away from moving parts.
- Do not allow children to operate this appliance.
- Operate within specified water temperature (39.2°F - 95°F / 4°C - 35°C) and depth limits (Min 16" / 0.4m, Max 10 ft / 3m).

3. PACKAGE CONTENTS

Verify that all components are present before assembly:

- Cordless Handheld Pool Vacuum Unit
- Adjustable Angle Extra-Large Vacuum Head with Side Bristles
- Hand Handle
- Charger (8.4V DC, 1.0A)
- Micro-fine Particle Filter Cartridge
- Ultra Mesh Filter Screen (pre-installed)
- Instruction Manual

CORDLESS POOL AND SPA VACUUM CLEANER



USP PVC-1121

Powerful Rechargeable Two-Speed Vacuum Cleaner
Designed for Quick & Efficient Debris Removal

↓ - 0.4 ~ 3 m



CHARGER INCLUDED



Image 3.1: Overview of the main vacuum unit, charger, and detachable vacuum head.

4. SETUP

4.1 Charging the Battery

1. Ensure the vacuum unit is dry before charging.
2. Connect the charger to the charging port on the vacuum unit.
3. Plug the charger into a standard electrical outlet.
4. Charge the battery for 2 to 3 hours for a full charge. The charging indicator light will confirm charging status.

4.2 Attaching the Vacuum Head

The vacuum features a 2-in-1 detachable head for versatile cleaning:

- **For broader debris collection:** Attach the adjustable angle extra-large vacuum head with side bristles to the main unit. Ensure it clicks securely into place.
- **For hard-to-reach areas:** Use the vacuum without the large head. The small mouth opening is designed for cleaning angles of pool steps, corners, and around ladders.

DUAL FILTER SYSTEM FOR EXTRA FILTERING CAPACITY

EXCLUSIVE MICRO-FINE PARTICLE FILTER DESIGN!

Removes the Finest Debris

Collects pollen, dust, sand silt etc...



Replacement Filters Sold Separately - USP FCA-2



Image 4.1: The 2-in-1 detachable head, illustrating its two configurations for different cleaning needs.

4.3 Connecting to a Pole

The cleaner can be used with the included hand handle or a standard 1-1/4" diameter telescopic pole (sold separately). To attach a telescopic pole, slide the pole into the designated opening on the vacuum handle until it is secure.



Image 4.2: The vacuum in use with a telescopic pole, demonstrating its extended reach for pool cleaning.

5. OPERATING INSTRUCTIONS

5.1 Powering On and Adjusting Suction Speed

1. Ensure the vacuum is fully submerged in water before powering on.
2. Press the power button to turn on the vacuum.
3. The vacuum operates with a two-speed suction system:
 - **Standard Mode:** Provides 45 liters per minute (l/m) suction, suitable for general cleaning.
 - **High Turbo Speed Mode:** Provides 70 l/m suction, ideal for quicker and more efficient debris removal, especially in corners and steps. Toggle between modes using the speed selection button.
4. After a full charge, the vacuum operates for approximately 60 minutes at standard speed and 45 minutes at high turbo speed.

INNOVATIVE 2-SPEED SUCTION SYSTEM

Operate with **STANDARD** mode for cleaning the main parts of a pool

Operate with **TURBO SPEED** mode for cleaning corners and steps with or without the vacuum head

**70 L/m
TURBO
SPEED**



Suction speed adjusts from 45 l/m to 70 l/m for quicker and more efficient debris removal



Image 5.1: Visual representation of the vacuum's two-speed suction system, highlighting the 70 L/m turbo speed.

5.2 Water Depth Requirements

For optimal performance and to prevent damage, operate the vacuum within the following water depth limits:

- **Minimum Water Depth:** 16 inches (0.4 meters)
- **Maximum Water Depth:** 10 feet (3 meters)

6. MAINTENANCE

6.1 Dual Filtering System

The vacuum features a dual filter system for effective debris collection:

- **Micro-fine Particle Filter Cartridge:** Designed to remove fine debris such as pollen, dust, sand, and silt.
- **Ultra Mesh Filter Screen:** Located above the motor, this provides secondary filtering and collects larger leaves and debris. The cleaner has a 1.5 Liter filtering capacity for larger debris without the micro-fine particle filter.



Image 6.1: Illustration of the dual filter system, highlighting the removable micro-fine particle filter.

6.2 Cleaning and Replacing Filters

1. After each use, or when suction power decreases, turn off the vacuum and remove it from the water.
2. Open the debris collection chamber.
3. Remove the micro-fine particle filter cartridge and the ultra mesh filter screen.
4. Rinse both filters thoroughly with a hose to remove all collected debris.
5. Ensure filters are clean before reassembling.
6. Replacement micro-fine particle filter cartridges are sold separately (Model: USP FCA-2).

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced suction power	Clogged filters; Low battery; Debris obstruction in intake.	Clean both micro-fine and ultra mesh filters. Ensure battery is fully charged. Check intake for large debris and remove.

Problem	Possible Cause	Solution
Fine particles return to pool	Micro-fine filter is clogged or improperly installed; Filter is not fine enough for specific debris.	Thoroughly clean the micro-fine filter. Ensure it is correctly seated. Consider using additional filtration methods if particles are exceptionally fine.
Vacuum does not turn on	Battery is not charged; Power button malfunction.	Charge the battery for 2-3 hours. If the issue persists after charging, contact customer support.
Brush head detaches or breaks	Excessive force during use; Wear and tear.	Operate the vacuum gently, especially around edges. Ensure the head is securely attached. If broken, replacement parts may be available through customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	USP PVC-1121
Battery	7.4V / 2000mAh Lithium-Ion (1 included)
Charging Power	8.4V DC, 1.0A
Charging Time	2.5 Hours
Motor Voltage	7.4V DC
Waterproof Grade	IPXS
Max Water Depth	10 ft (3 m)
Min Water Depth	16 inches (0.4 m)
Water Temperature	39.2°F (4°C) - 95°F (35°C)
Filtering Capacity	1.5 Liters
Item Weight	9.53 pounds (4.33 kg)
Product Dimensions	18"L x 13.25"W x 8"H
UPC	840234512814

9. WARRANTY AND SUPPORT

This product comes with a Limited Warranty. For specific warranty details, claims, or technical support, please refer to the warranty card included with your purchase or contact U.S. Pool Supply customer service. Replacement filters (USP FCA-2) and other parts are available separately.

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