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› [Powr-Flite Rigel Pro Commercial Vacuum Cleaner - High Performance Cleaning Machine for Professional Use. Onboard Tools, 3 Stage Filtration, Blue, PV100-W14-U](#)

## Powr-Flite PV100-W14-U

# Powr-Flite Rigel Pro Commercial Vacuum Cleaner User Manual

Model: PV100-W14-U | Brand: Powr-Flite

## INTRODUCTION AND OVERVIEW

The Powr-Flite Rigel Pro Commercial Vacuum Cleaner (Model PV100-W14-U) is a high-performance upright cleaning machine designed for professional use. It features a powerful 1200-watt, 10 amp motor delivering 103 CFM of suction, ensuring efficient cleaning across various carpet types.

Key features include onboard tools, a 3-stage filtration system with a HEPA bag and two additional filters, and an optional cloth shake-out bag. The vacuum also boasts auto height adjustment for seamless transitions between different carpet pile heights. For extended reach, a telescopic wand provides 13 feet of tool reach, complemented by a pigtail with a 40-foot extension cord. Its design incorporates a translucent, non-marking furniture guard and rubber over-molded wheels for enhanced maneuverability and protection of surfaces.



Image: Front view of the Powr-Flite Rigel Pro Commercial Vacuum Cleaner, showcasing its blue body, handle, and hose. The power cord is wrapped around the back.

## IMPORTANT SAFETY INSTRUCTIONS

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Before operating this appliance, please read all instructions thoroughly to ensure safe and effective use. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always unplug the vacuum cleaner from the electrical outlet before performing any maintenance, cleaning, or troubleshooting.
- Do not use outdoors or on wet surfaces. This vacuum is designed for indoor, dry use only.
- Do not allow the vacuum cleaner to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with a damaged cord or plug. If the appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or vacuum cleaner with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up toxic material, such as chlorine bleach, ammonia, or drain cleaner.

- Do not use without dust bag and/or filters in place.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.

## PACKAGE CONTENTS

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Upon unpacking, ensure all components are present and undamaged. The standard package for the Powr-Flite Rigel Pro includes:

- Powr-Flite Rigel Pro Upright Vacuum Unit
- Telescopic Extension Wand
- Crevice Tool
- Dust Brush
- Upholstery Tool
- Hose Assembly
- HEPA Filter Bag (pre-installed or included)
- Additional Filters (pre-installed or included)
- 40-foot Commercial Power Cord (attached)



Image: Close-up view of the included onboard tools: a long crevice tool, a telescopic extension wand, and a dust brush/upholstery tool combination.

## SETUP INSTRUCTIONS

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1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future storage or transport.
2. **Handle Assembly:** Insert the handle into the main vacuum body until it clicks securely into place. Ensure all connections are firm.
3. **Hose and Tool Attachment:**

- Attach the flexible hose to the designated port on the vacuum cleaner.
  - Store the crevice tool, dust brush, and upholstery tool in their respective onboard storage slots for easy access.
4. **Power Cord Management:** Wrap the 40-foot commercial power cord securely around the cord hooks located on the back of the vacuum for organized storage.

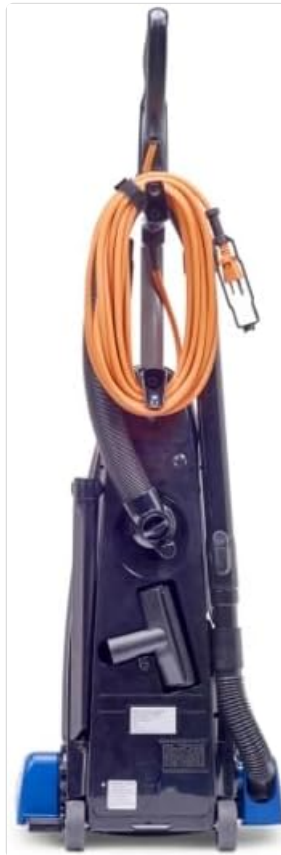


Image: Rear view of the Powr-Flite Rigel Pro vacuum cleaner, showing the orange power cord neatly wrapped around the cord hooks on the back of the unit.

5. **Filter Bag Installation:** Ensure a HEPA filter bag is correctly installed in the vacuum's bag compartment. Refer to the "Maintenance" section for detailed bag replacement instructions.
6. **Initial Check:** Before plugging in, visually inspect the vacuum for any loose parts or damage. Ensure the power switch is in the "OFF" position.

## OPERATING INSTRUCTIONS

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### Basic Operation

1. **Plug In:** Extend the 40-foot power cord and plug it into a suitable electrical outlet.
2. **Power On:** Press the power switch located on the handle to turn the vacuum cleaner ON.
3. **Height Adjustment:** The Rigel Pro features auto height adjustment, which automatically adapts the brush roll height to different carpet pile heights. No manual adjustment is typically required.
4. **Vacuuming:** Push the vacuum cleaner forward and pull it back in overlapping strokes to effectively clean the carpeted surface.
5. **Power Off:** When finished, press the power switch to turn the vacuum OFF and unplug it from the outlet.

### Using Onboard Tools

The onboard tools provide versatility for cleaning various surfaces and hard-to-reach areas.

1. **Accessing Tools:** Remove the hose from its primary connection point on the vacuum. Select the desired tool from its onboard storage.
2. **Attaching Tools:** Attach the selected tool (crevice tool, dust brush, or upholstery tool) directly to the end of the hose. For extended reach, attach the telescopic extension wand between the hose and the desired tool.
3. **Cleaning with Tools:** Use the crevice tool for tight spaces, the dust brush for delicate surfaces like blinds or shelves, and the upholstery tool for furniture and drapes. The telescopic wand extends reach up to 13 feet, ideal for high ceilings or difficult angles.



Image: A person using the Powr-Flite Rigel Pro vacuum cleaner with its telescopic wand extended to clean a high chandelier, demonstrating the 13-foot tool reach.

4. **Maneuverability:** The vacuum's design, including rubber over-molded wheels and a balanced weight, allows for easy transport between cleaning areas, including stairs.



Image: A person carrying the Powr-Flite Rigel Pro vacuum cleaner by its handle while ascending a carpeted staircase, highlighting its portability for multi-level cleaning.

Regular maintenance ensures optimal performance and extends the lifespan of your Powr-Flite Rigel Pro vacuum cleaner. Always unplug the unit before performing any maintenance.

## 1. Replacing the HEPA Filter Bag

The HEPA filter bag should be replaced when it is full or when suction power noticeably decreases. The vacuum features a 3-stage filtration system, with the bag being the primary filter.

1. **Access Bag Compartment:** Locate the bag compartment door on the front of the vacuum. Open the latch and swing the door open.
2. **Remove Old Bag:** Carefully slide the full HEPA bag out of its holder. Dispose of the bag according to local regulations.
3. **Install New Bag:** Slide a new genuine Powr-Flite HEPA filter bag into the holder, ensuring the cardboard collar is fully seated.
4. **Close Compartment:** Close the bag compartment door firmly until it latches securely.



Image: An open view of the vacuum's bag compartment on the left, revealing a white HEPA filter bag, alongside the blue compartment cover on the right, which also contains a filter.

## 2. Cleaning/Replacing Additional Filters

In addition to the HEPA bag, the vacuum has two other filters that contribute to its 3-stage filtration. Check these filters periodically and clean or replace them as needed.

- **Pre-Motor Filter:** Typically located near the motor, this filter protects the motor from fine dust. Tap it clean or rinse if washable (check manual for specifics). Replace if heavily soiled or damaged.
- **HEPA Exhaust Filter:** Located at the exhaust port, this filter captures microscopic particles before air is expelled. Inspect and replace this filter annually or more frequently with heavy use.

## 3. Inspecting and Cleaning the Metal Brush Roll

The metal brush roll is crucial for effective carpet cleaning. Inspect it regularly for tangled hair, threads, or debris.

1. **Access Brush Roll:** Lay the vacuum flat on its back. You may need to remove a bottom plate or cover to access the brush roll.
2. **Clean Brush Roll:** Use scissors or a seam ripper to carefully cut and remove any tangled hair or fibers from the brush bristles. Ensure the brush roll spins freely.
3. **Reassemble:** Reattach any covers or plates securely.



Image: A detailed view of the vacuum cleaner's underside, focusing on the durable metal brush roll with its red and black bristles, essential for deep carpet cleaning.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your Powr-Flite Rigel Pro vacuum cleaner. If the problem persists after trying these solutions, please contact customer support.

Problem	Possible Cause	Solution
Vacuum does not turn on.	No power to the outlet; Power cord not securely plugged in; Thermal protector activated; Power switch is OFF.	Check circuit breaker/fuse; Ensure plug is fully inserted; Allow vacuum to cool for 30 minutes if motor overheated; Press power switch to ON.
Loss of suction.	Full dust bag; Clogged hose or attachments; Blocked filters; Brush roll obstructed.	Replace dust bag; Clear any blockages from hose/attachments; Clean or replace filters; Clear debris from brush roll.
Unusual noise during operation.	Debris in brush roll; Loose parts; Motor issue.	Inspect and clean brush roll; Check for and tighten any loose components; If noise persists, contact service.
Brush roll not spinning.	Brush roll jammed by debris; Drive belt broken or dislodged.	Clear any obstructions from brush roll; Inspect and replace drive belt if necessary (refer to service manual or professional).

## SPECIFICATIONS

Detailed technical specifications for the Powr-Flite Rigel Pro Commercial Vacuum Cleaner (Model PV100-W14-U).

Brand	Powr-Flite
Model Name	Rigel Pro Upright Vacuum
Item Model Number	PV100-W14-U
Form Factor	Upright
Color	Blue
Wattage	1200 watts

Amperage	10 Amps
Maximum Suction	103 Inches (CFM)
Capacity	4 Quarts
Filter Type	HEPA Filter (3-stage filtration)
Special Feature	Bagged, Auto Height Adjustment, Onboard Tools
Included Components	Crevice Tool, Dust Brush, Extension Wand, Hose, Upholstery Tool
Power Cord Length	40 feet (commercial grade)
Product Dimensions	51"L x 14"W x 8"H
Item Weight	17 pounds
Manufacturer	Tacony
Indoor/Outdoor Usage	Indoor

## WARRANTY AND SUPPORT


For warranty information, technical support, or to purchase replacement parts and accessories, please contact Powr-Flite customer service.

- **Customer Service:** Refer to the contact information provided with your product packaging or visit the official Powr-Flite website.
- **Online Resources:** Additional resources, FAQs, and product documentation may be available on the Powr-Flite website.
- **Proof of Purchase:** Always retain your proof of purchase for warranty claims.



You can typically find more information and contact details on the official Powr-Flite website:[www.powr-flite.com](http://www.powr-flite.com)

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### Related Documents - PV100-W14-U

	<p><a href="#">Powr-Flite Photon 3.5 Gallon Spotter Operations and Parts Manual</a></p> <p>This manual provides comprehensive instructions for the operation and maintenance of the Powr-Flite Photon 3.5 Gallon Spotter. It includes safety guidelines, grounding instructions, technical specifications, operating procedures, troubleshooting tips, and a detailed parts list with diagrams.</p>
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	<p><a href="#">Powr-Flite Commercial Upright Vacuum Cleaner Operator's Manual</a></p> <p>This operator's manual provides instructions for the safe use, assembly, maintenance, and troubleshooting of Powr-Flite Commercial Upright Vacuum Cleaner models PF712 and PF716 Series (PF712VC, PF712DC, PF716VC, PF716DC).</p>
	<p><a href="#">Powr-Flite PFX3S Self-Contained Carpet Extractor Operator's Manual &amp; Parts List</a></p> <p>Comprehensive operator's manual and parts list for the Powr-Flite PFX3S Self-Contained Carpet Extractor. Includes detailed safety precautions, operating instructions, maintenance procedures, troubleshooting guide, and warranty information. Covers proper use, care, and storage of the carpet cleaning equipment.</p>
	<p><a href="#">Powr-Flite Multiwash 14 PFMW14 Parts List and Schematics</a></p> <p>This document provides a comprehensive parts list and detailed schematics for the Powr-Flite Multiwash 14 (PFMW14) floor cleaning machine. It includes part numbers, quantities, and descriptions for various components, organized by assembly.</p>
	<p><a href="#">Powr-Flite Pulsar+ Extractor PE060-G15-U Operator's Manual</a></p> <p>Operator's manual for the Powr-Flite Pulsar+ Extractor (Model PE060-G15-U). Contains instructions on operation, safety, maintenance, storage, and troubleshooting for this carpet cleaning equipment.</p>
	<p><a href="#">Powr-Flite Standard and High Speed Floor Machines Operator's Manual</a></p> <p>Operator's manual for Powr-Flite Standard and High Speed Floor Machines, covering models P201, P171, P131, P201HD, P171HD, P202, P172, P203, P173, P171SD. Includes uncrating, safety, applications, operation, maintenance, and troubleshooting guidance.</p>