

## Perel TCA90000/SP1

# Perel Washable HEPA Filter Instruction Manual

Model: TCA90000/SP1

## INTRODUCTION

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Thank you for choosing the Perel Washable HEPA Filter, model TCA90000/SP1. This filter is specifically designed for use with Perel Ash Vacuum Cleaners TCA90040 and TCA90041. Its HEPA filtration system efficiently captures fine ash particles, ensuring cleaner exhaust air. Being washable, it offers a reusable and economical solution for maintaining your ash vacuum cleaner.

## SETUP AND INSTALLATION

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Follow these steps to properly install the HEPA filter into your Perel ash vacuum cleaner:

1. **Preparation:** Ensure the ash vacuum cleaner is unplugged from the power source before beginning installation.
2. **Access Filter Compartment:** Open the lid or access panel of your ash vacuum cleaner to locate the filter compartment. Refer to your ash vacuum cleaner's manual for specific instructions on accessing this area.
3. **Remove Old Filter (if applicable):** If an old filter is present, carefully remove it. Dispose of the old filter according to local regulations.
4. **Insert New Filter:** Place the Perel Washable HEPA Filter (TCA90000/SP1) into the designated filter housing. Ensure it sits securely and creates a tight seal to prevent ash bypass.
5. **Secure Compartment:** Close the lid or access panel of the ash vacuum cleaner, ensuring it is latched correctly.



**Image 1:** Front view of the Perel Washable HEPA Filter. This image shows the pleated filter material and the black plastic frame, indicating its design for efficient particle capture.

## OPERATING INSTRUCTIONS

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Once the Perel Washable HEPA Filter is correctly installed, the ash vacuum cleaner is ready for use. The filter operates passively, capturing fine particles as air passes through it.

- Always ensure the filter is clean and dry before operating the ash vacuum cleaner to maintain optimal suction and filtration efficiency.
- Do not operate the ash vacuum cleaner without the HEPA filter installed, as this can lead to damage to the motor and release of fine ash into the environment.
- Regularly check the filter for visible ash buildup during prolonged use to determine when cleaning is necessary.

## MAINTENANCE AND CLEANING

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To ensure the longevity and effectiveness of your washable HEPA filter, regular cleaning is essential:

1. **Removal:** Unplug the ash vacuum cleaner. Carefully remove the HEPA filter from its compartment.
2. **Initial Cleaning:** Gently tap the filter against a hard surface (e.g., inside a trash can) to dislodge loose ash and debris.
3. **Washing:** Rinse the filter under cold running water. Direct the water from the clean side (inside) to the dirty side (outside) to push out trapped particles. Continue rinsing until the water runs clear.
4. **Avoid Chemicals:** Do not use detergents, soaps, or brushes, as these can damage the delicate HEPA material and reduce its filtration efficiency.
5. **Drying:** Allow the filter to air dry completely before reinstallation. This typically takes 24 to 48 hours, depending on humidity. Do not use heat sources (e.g., hair dryer, oven) to speed up drying, as this can deform or damage the filter. Ensure the filter is completely dry to prevent mold growth and maintain performance.

6. **Reinstallation:** Once completely dry, reinstall the filter as described in the "Setup and Installation" section.

**Filter Replacement:** While washable, the filter's efficiency may decrease over time. Replace the filter if you notice any damage, tears, or if cleaning no longer restores adequate suction power.



**Image 2:** Angled view of the Perel Washable HEPA Filter. This perspective highlights the pleated structure and the robust construction of the filter, designed for repeated washing.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced suction power	Filter is clogged with ash/debris. Filter is damp. Filter is incorrectly installed.	Clean the filter according to the maintenance instructions. Ensure the filter is completely dry before use. Reinstall the filter correctly, ensuring a tight seal.
Ash escaping from vacuum exhaust	Filter is damaged (tear/hole). Filter is not seated correctly.	Inspect the filter for damage; replace if necessary. Reinstall the filter, ensuring it forms a tight seal within the compartment.
Unpleasant odor from vacuum	Filter was not completely dry before reinstallation, leading to mold/mildew.	Remove and thoroughly clean the filter. Ensure it is completely air-dried for at least 24-48 hours in a well-ventilated area before reinstallation. If odor persists, replace the filter.

## SPECIFICATIONS

- **Brand:** Perel
- **Model Number:** TCA90000/SP1
- **Part Number:** 470150
- **Material:** HEPA (High-Efficiency Particulate Air)
- **Reusability:** Washable, Reusable
- **Number of Pieces:** 1
- **Compatibility:** Designed for Perel Ash Vacuum Cleaners TCA90040 and TCA90041
- **ASIN:** B0CKRTZ8NN

## WARRANTY AND SUPPORT

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Warranty information for this Perel HEPA filter is typically provided with the original ash vacuum cleaner or can be found on the official Perel website. For specific warranty details, claims, or technical support, please refer to the documentation included with your Perel ash vacuum cleaner or visit the manufacturer's official support channels. Always ensure you are using genuine Perel replacement parts to maintain product warranty and optimal performance.