Demiwise 16x25x5

Demiwise 16x25x5 Reusable Electrostatic MERV 8 AC/HVAC Furnace Air Filter Instruction Manual

Model: 16x25x5 (Actual Size: 15.75" x 24.5" x 4.75")

Introduction Specifications Setup & Installation Operating Principles Maintenance Troubleshooting Warranty & Support

1. Introduction

Thank you for choosing the Demiwise 16x25x5 Reusable Electrostatic MERV 8 AC/HVAC Furnace Air Filter. This manual provides essential information for the proper installation, operation, and maintenance of your new air filter. Designed for efficiency and durability, this filter helps improve indoor air quality by capturing common airborne particles.



Figure 1: Demiwise Electrostatic Air Filter, designed to capture lint, dust, and pet dander.

Key Benefits:

- **Reusable and Washable:** Reduces waste and long-term costs compared to disposable filters.
- **MERV 8 Rating:** Effectively captures lint, dust, pet dander, pollen, and mold spores.
- **Enhanced Airflow:** Designed to optimize your HVAC system's performance.
- **Durable Construction:** Crafted from high-grade aluminum for extended lifespan.

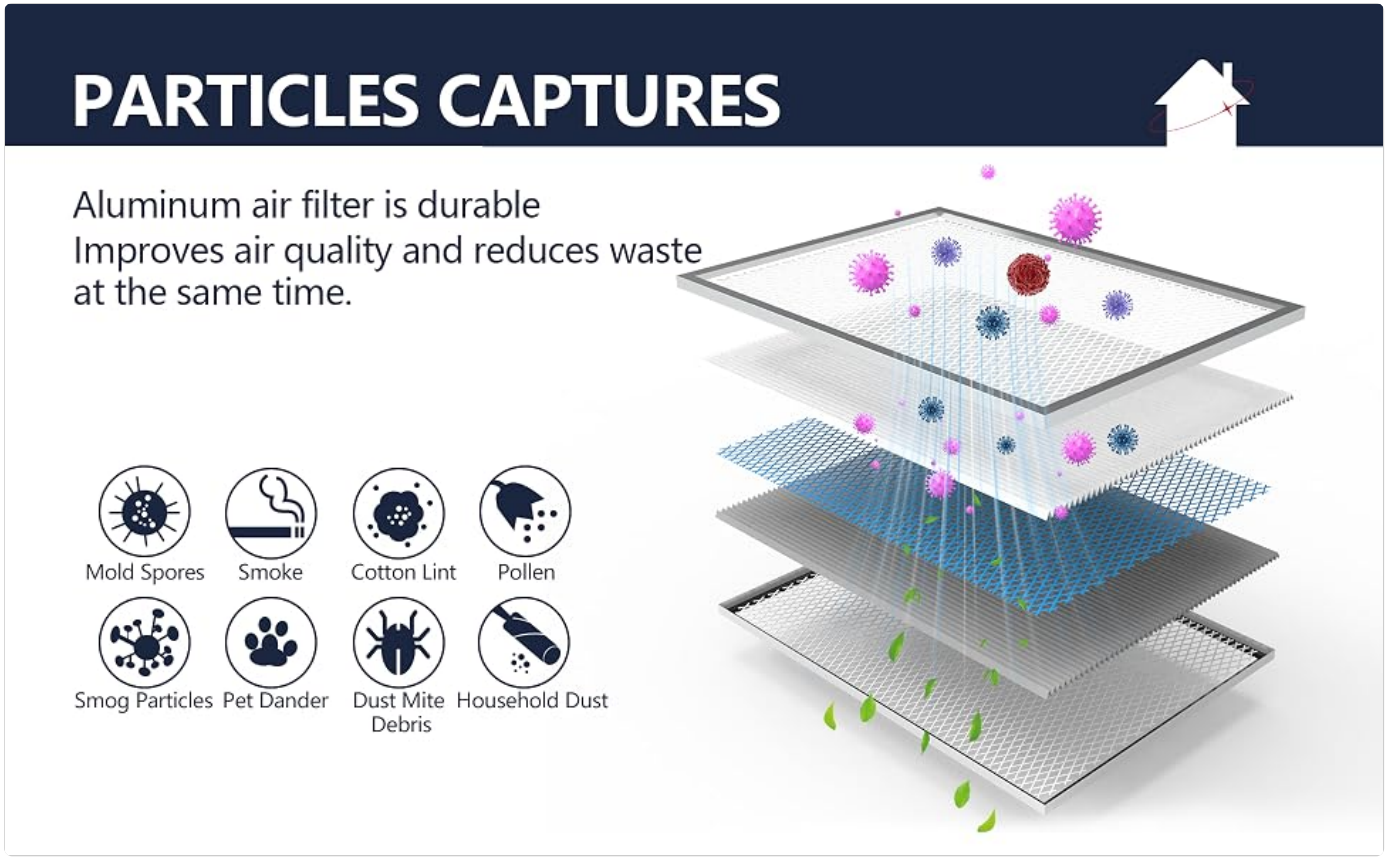


Figure 2: One reusable Demiwise filter can replace over 50 disposable filters, offering significant savings and environmental benefits.



Figure 3: The filter provides 93% high-efficiency filtration, contributing to a cleaner and fresher home environment.

2. Specifications

Brand	Demiwise
Nominal Size	16" x 25" x 5"
Actual Size	15.75" x 24.5" x 4.75"
MERV Rating	8
Material	Aluminum
Compatible Devices	Air Conditioner, Furnace, HVAC Systems
Part Number	DE-LKW16255-1

UPC	758211464813

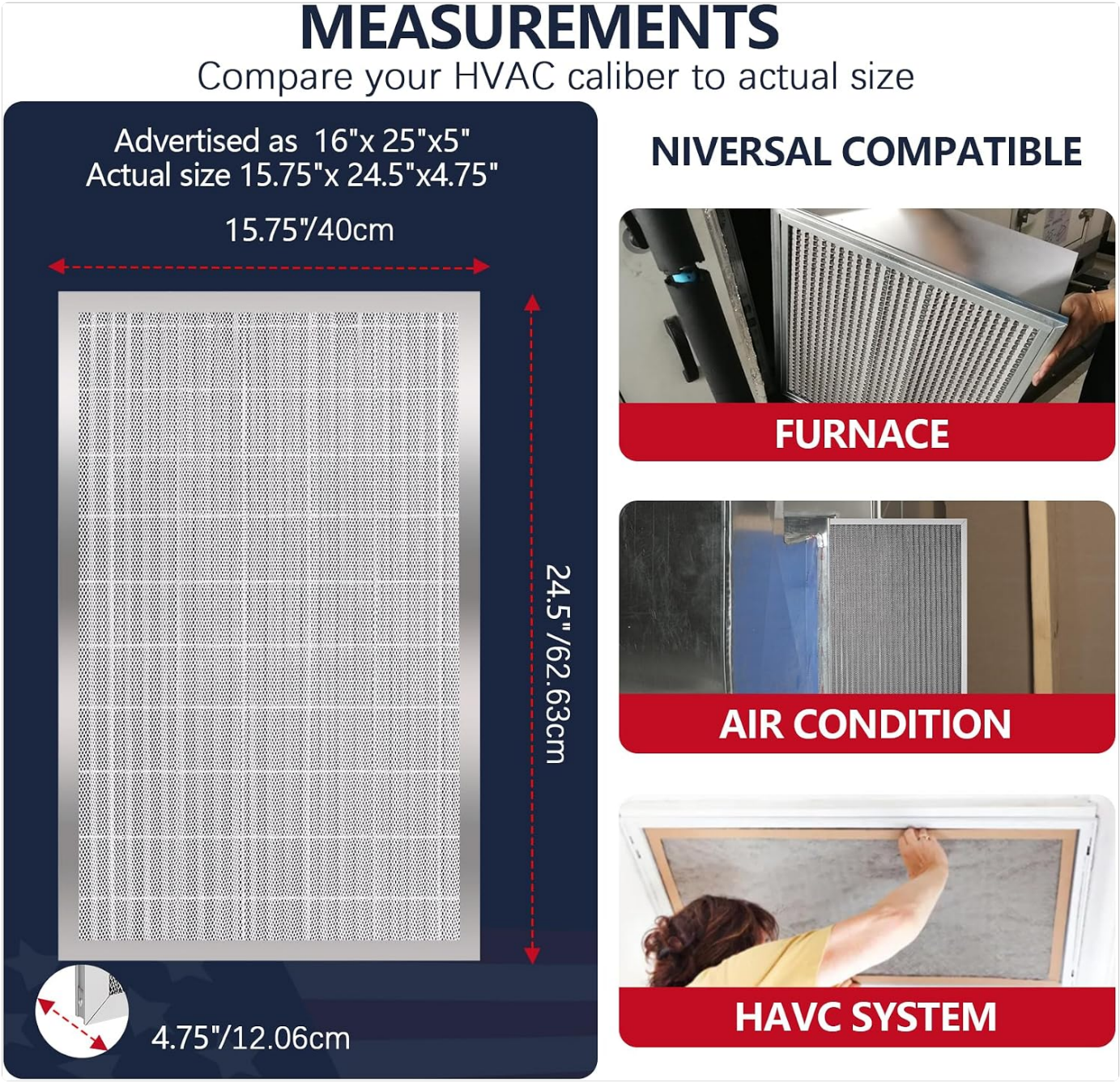


Figure 4: Important note on filter measurements. Always verify actual size for proper fit.

3. Setup & Installation

Proper installation ensures optimal performance and protection for your HVAC system.

Installation Steps:

1. **Locate Filter Slot:** Identify the air filter slot in your furnace, air conditioner, or central HVAC system.
2. **Remove Old Filter:** Carefully slide out the old filter. Note the direction of the airflow arrow on the old filter.
3. **Orient New Filter:** The Demiwise filter has an arrow indicating the direction of airflow. Ensure this arrow points in the same direction as the airflow in your system (typically towards the furnace/air handler).
4. **Insert New Filter:** Slide the Demiwise reusable filter into the slot. Ensure it fits snugly without gaps to prevent air bypass.
5. **Secure Access Panel:** Close and secure any access panels or covers.

Your browser does not support the video tag.

Video 1: Demonstration of easy installation for the Demiwise Air Filter.

4. Operating Principles

The Demiwise electrostatic air filter utilizes static electricity to attract and capture airborne particles. Its MERV 8 rating signifies its ability to efficiently filter common household contaminants.

How it Works:

- **Electrostatic Charge:** As air passes through the filter, the synthetic fibers generate a static charge that attracts and holds dust, lint, pet dander, pollen, and other microscopic particles.
- **Multi-Layer Filtration:** The filter features multiple layers of pleated aluminum mesh and electrostatic polyamide fiber, designed to maximize particle capture without significantly restricting airflow.
- **MERV 8 Efficiency:** A MERV 8 rating indicates good filtration performance, suitable for most residential and light commercial applications, balancing particle capture with airflow for system longevity.

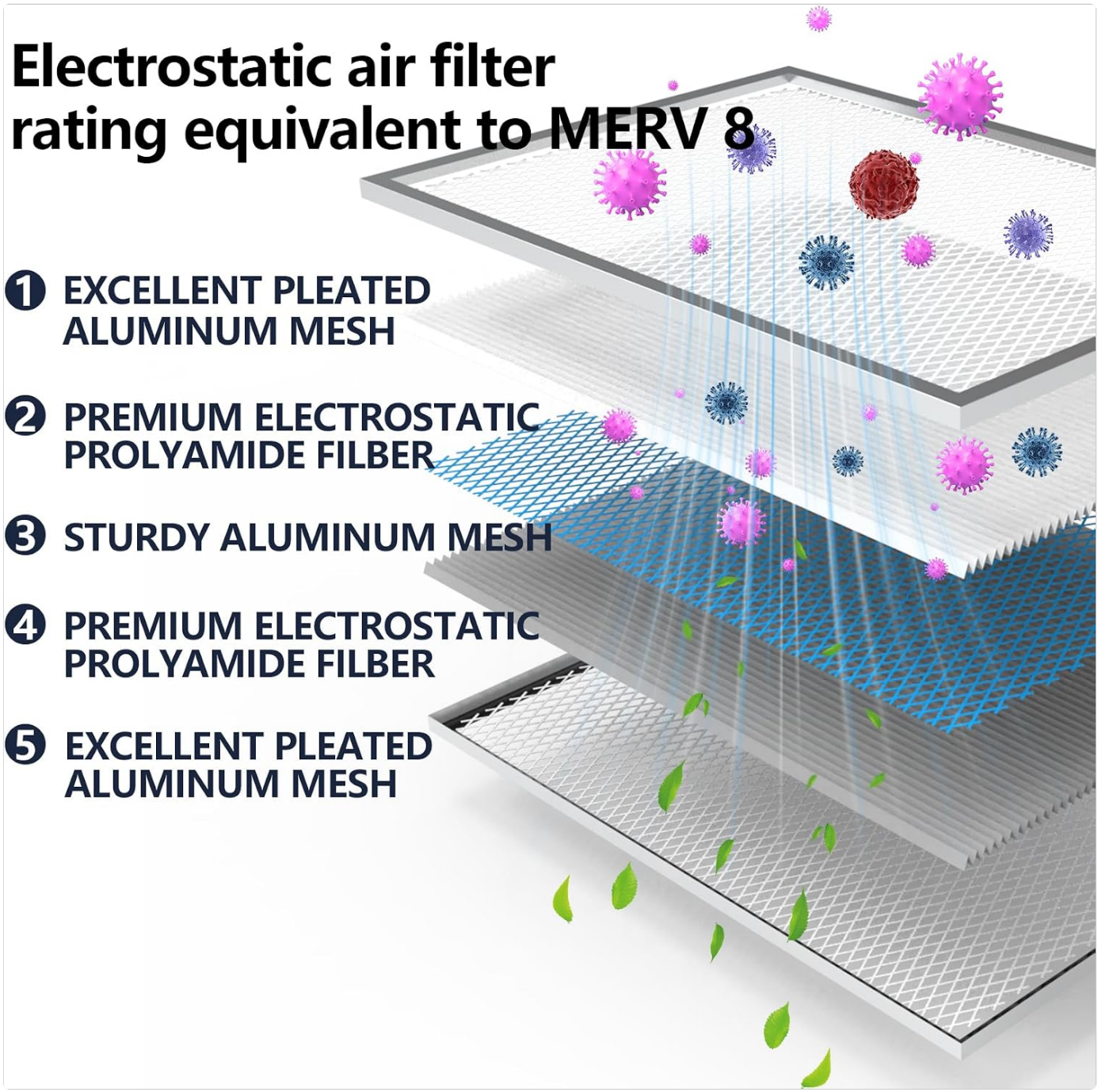


Figure 5: Cross-section illustrating the multi-layered design of the electrostatic air filter.

5. Maintenance

The reusable nature of your Demiwise filter requires regular cleaning to maintain optimal performance.

Cleaning Schedule:

It is recommended to clean your filter every 1-3 months, depending on usage and environmental factors (e.g., presence of pets, construction, allergies).

Cleaning Instructions:

1. **Remove Filter:** Turn off your HVAC system. Carefully remove the dirty air filter from its slot.
2. **Initial Cleaning (Optional):** For heavily soiled filters, use a vacuum cleaner attachment to remove loose dust and debris from the duct side. This may reduce the need for deep cleaning.
3. **Washing:** Rinse the filter with a garden hose or high-pressure water in a sink or tub. Ensure to spray water in the opposite direction of the airflow arrow to dislodge trapped particles effectively. A small amount of mild detergent can be used for stubborn grime.
4. **Rinse Thoroughly:** Ensure all soap residue is completely rinsed off.
5. **Air Dry:** Shake off excess water and allow the filter to air dry completely before reinstallation. Do not use heat to dry the filter. Ensure it is fully dry to prevent mold growth.
6. **Reinstall:** Once completely dry, reinstall the filter following the installation steps.



Figure 6: Cleaning methods for your reusable air filter: vacuuming for light dust and rinsing for deep cleaning.

Your browser does not support the video tag.

Video 2: Step-by-step guide on how to wash your Demiwise Air Filter.

6. Troubleshooting

If you encounter issues with your air filter or HVAC system, consider the following:

- **Reduced Airflow:**
  - Check if the filter is dirty and requires cleaning. A clogged filter restricts airflow.
  - Ensure the filter is installed with the airflow arrow pointing in the correct direction.
  - Verify the filter size matches your HVAC system's requirements. An incorrect size can lead to air bypass or obstruction.
- **Poor Air Quality:**
  - Increase the frequency of filter cleaning, especially in homes with pets or high dust levels.

- Ensure the filter is properly seated in the slot to prevent unfiltered air from bypassing it.

- **Unusual Noises from HVAC:**
  - A severely clogged filter can strain your HVAC system, leading to unusual noises. Clean or replace the filter.
  - Ensure the filter is securely in place and not vibrating within the slot.

For persistent issues, consult a qualified HVAC technician.

7. Warranty & Support

Manufacturer's Warranty:

The Demiwise 16x25x5 Reusable Electrostatic Air Filter comes with a **5-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.

Customer Support:

For any questions, concerns, or warranty inquiries, please contact Demiwise customer support:

- **Email:** service@demiwise.com
- **Online:** Refer to the official Demiwise website for additional resources and FAQs.

© 2025 Demiwise. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question