

# MERV 13 FILTERS: ARE THEY SUITABLE FOR YOUR HOME?



## What is **MERV**?

MERV stands for Minimum Efficiency Reporting Values, which report a filter's ability to capture larger particles between 0.3 and 10 microns ( $\mu\text{m}$ ). The higher the MERV, the more pollutants your filter captures.

## How it **Works**:

Experts recommend increasing filtration to MERV 13 to maximize clean air in your home.

MERV 13 filters are designed to catch common airborne pollutants like smoke, allergens and viruses. Up to 80% of these pollutants are caught by MERV 13 filters.



**BACTERIA**  
0.2 – 10  
microns



**SNEEZE**  
0.3 – 1  
microns



**DUST**  
0.5 – 100  
microns



**EMISSIONS**  
1 – 3  
microns



**MOLD**  
3 – 40  
microns



**POLLEN**  
10 – 1000  
microns

## Indoor Air Quality & **Your Health**

- Health impacts from poor indoor air quality (IAQ) can be felt shortly after exposure
- Common short term impacts (epa.gov):
  - Asthma, heart or lung disease aggravation
  - Eyes, nose and throat irritation
  - Headaches and/or dizziness
  - Fatigue

## Indoor Air Quality & **Energy Savings**

- High-performance filters should be replaced every **3 months**
- Save an average of **5-15% in energy costs** (energy.gov) with routine filter replacement
- Old, clogged filters reduce your **system's efficiency and the air flow** throughout your home

## Choosing the Right Filter for **Your System**

- Installation of filters is quick & easy
- Choose from common, industry-standard filter sizes:
  - 14x25
  - 16x20
  - 16x25
  - 20x20
  - 20x25
- For optimal system performance, a 4" is preferred
  - Other sizes: 1", 2" and custom