



## Healthy Climate®

Indoor Air Quality Solutions



**HEPA-20**

**HEPA-40**

**HEPA-60**

Highly effective filtration for cleaner,  
healthier indoor air





# High-Efficiency Particulate Air (HEPA) Filtration Systems

99.97% efficiency rating for removal of small, breathable particles at 0.3 micron

Bypass configuration quietly circulates and cleans the air throughout the home

Works with your central heating and cooling system to enhance the air throughout your home

Combats all classes of pollutants—particles, bioaerosols and odors/chemical vapors\*—for best possible air filtration performance

Pollutants like pollen, bacteria, viruses and dust find their way into your home's air every day. That's a problem, because these particles and bioaerosols can cause poor indoor air quality, which impacts both your home environment and your health. At the very least, poor air quality can make your home uncomfortable. And, if you're one of more than 50 million Americans who suffer from allergies,\*\* poor air quality can make your home very unhealthy.

## SOLUTIONS FOR A CLEANER, HEALTHIER HOME ENVIRONMENT

A Healthy Climate® high-efficiency particulate air (HEPA) bypass filtration system can go a long way toward improving the air you breathe. Using the same filtration technology found in hospital operating rooms and science labs, a HEPA system removes nearly all allergy-inducing contaminants, including even the smallest particles and bacteria. It filters and freshens the air throughout your home, so you can breathe easier.

### Finding a Solution

THE PROBLEM	WHY IT'S A PROBLEM	THE SOLUTION
 <p><b>Particles</b> (Pollen, dust mites, dirt, pet dander)</p>	Small, respirable particles can aggravate allergies and respiratory conditions.	<p><b>HEPA Filtration Systems</b> High-efficiency particulate air (HEPA) bypass filtration systems are designed to capture even the smallest of particles and keep them from recirculating back into your home's air. HEPA filtration systems provide fast, effective cleaning, completely filtering the air throughout your home many times a day.</p>
 <p><b>Bioaerosols</b> (Bacteria, viruses, mold spores, fungi)</p>	Biological contaminants like mold can cause or worsen asthma, as well as hay fever and other allergies.	
 <p><b>Odors/Chemical Vapors</b> (Perfumes, cleaning supplies, paints, solvents, pet odors, cooking fumes)</p>	Airborne chemicals can cause headaches, fatigue, nausea, rashes, dizziness and, in some cases, severe illness.	

### WARRANTY\*\*

5-year limited warranty on covered components.

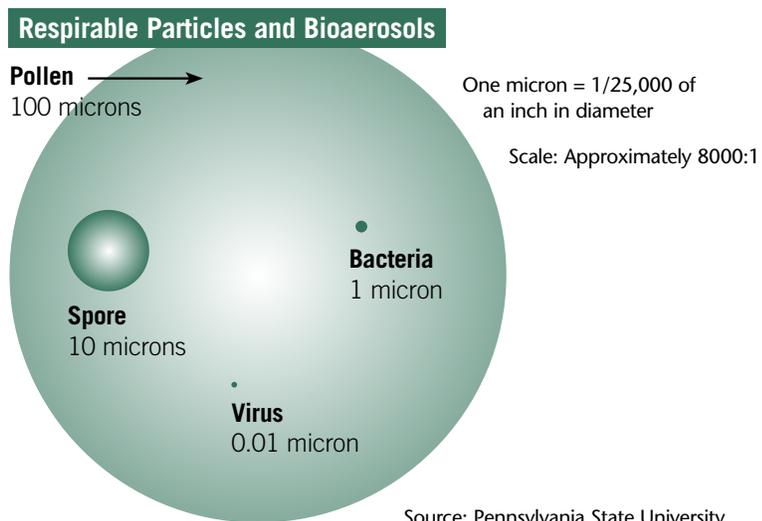
\*Optional carbon canister removes odors and chemical vapors.

\*\*Applies to residential applications only. See actual warranty certificate for details.

\*\*\*Source: National Institute of Allergies and Infectious Diseases

## Near-perfect particle filtration

Healthy Climate® HEPA bypass filtration systems are 99.97% efficient at removing small particles at 0.3 micron—contaminants that standard filtration systems can't effectively stop. Particles smaller than 2.5 microns pass through the lungs and into the bloodstream, increasing the likelihood of illness. The HEPA system minimizes your exposure to potentially harmful pollutants.



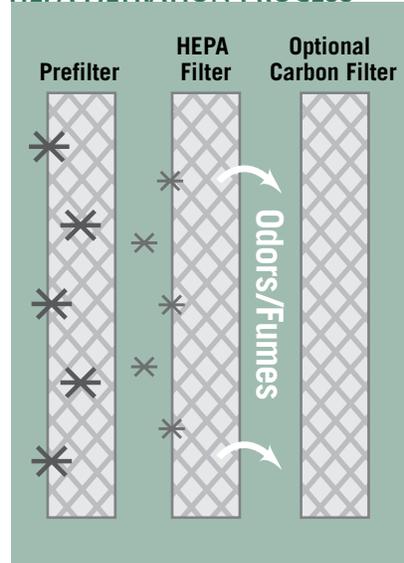
Source: Pennsylvania State University

## Powerful, yet quiet, performance

The system acts like a vacuum, drawing air out of the return duct, cleaning it and then cycling it back into your home. The system can also operate independently of your HVAC system to isolate and filter a specific area of your home. The filtration process involves three main steps:

- 1) Contaminated air passes through a pre-filter, trapping large dirt and dust particles.
- 2) Air then flows through the HEPA filter, which captures nearly all remaining particles and bioaerosols.
- 3) Finally, air passes through a charcoal/carbon filter in the standard unit to absorb odors and chemical fumes. An optional carbon canister is available for enhanced absorption.

## HEPA FILTRATION PROCESS



- ◆ "True" HEPA filter media – 99.97% efficient at 0.3 micron in removing particles and bioaerosols
- ◆ Optional carbon canister – Helps trap and remove odors
- ◆ Fast, effective cleaning – Completely filters the air in your home many times a day
- ◆ Sealed, bypass design – Retains particles and keeps them from escaping
- ◆ Low operating costs
- ◆ Insulated cabinet prevents condensation
- ◆ ASTM E981 tested to be free of sensory irritancy

## HEPA Filtration System Specifications

	HEPA-20	HEPA-40	HEPA-60
Airflow (nominal) at 120 VAC	180 CFM	250 CFM	500 CFM
Power Consumption (nominal)	125 watts	125 watts	225 watts
MERV 6 Prefilter Life	12 mos.	12 mos.	12 mos.
Carbon Canister Life (optional accessory)	6 mos.	6 mos.	6 mos.
HEPA Filter Life (min.)	2-5 years†	2-5 years†	2-5 years†

†Will vary based on the severity of the environment.

**Note:** Due to ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice.





## HEALTHY CLIMATE® SOLUTIONS

Whatever problem you're having with your home's air, you'll find the perfect Healthy Climate® solution. When it comes to contaminants like particles and chemicals, there's no better defense than the PureAir™ air purification system. You also have a choice of filtration systems and germicidal lamps, plus products that help balance moisture levels and improve airflow. With so many innovative options for enhancing and customizing the air inside your home, the Healthy Climate collection helps make your home a better place to breathe.



© Lennox Industries Inc. 2006

Visit us at [www.lennox.com](http://www.lennox.com), or contact us at 1-800-9-LENNOX.

(72M77) HEPA 10/09 PC59829