



healthy comfort



Indoor Air
Quality
Solutions

The choice for a healthier, more comfortable home

Having a comfortable home goes way beyond temperature settings. The quality of the air inside your house greatly affects your comfort—and health. Tiny particles like mold, bacteria and moisture can cause serious respiratory problems, while others like pet dander, pollen and dust can be irritating.

Advanced products such as air purifiers and cleaners, working together with a Lennox® heating and cooling system, help reduce concentrations of allergens and other contaminants in the air. These and other indoor air quality products help improve air circulation and balance humidity levels. And unlike many competitors' products, these systems **clean the air without producing ozone**, a known lung irritant†.

Purification

PureAir™ Air Purification System

Cleans the air in your home better than any single system you can buy



PureAir Air Purification System uses the same MERV 16 filter that is also used in the #1 rated Carbon Clean 16® Media Air cleaner
Source: Leading consumer magazine

Rest assured your air is cleaner

Allergens. Mold and mildew. Odors and chemical vapors. These tiny particles (measured in microns) are all very common in homes. And they can cause all kinds of problems for you and your family. With the PureAir™ air purification system, you can breathe easier knowing that the harm you can't see is virtually eliminated—leaving you with cleaner and more comfortable air.

Unmatched purification and filtration

Three classes of air contaminants exist in the home that adversely affect indoor air quality. Conventional systems available today only combat one or two classes, and often only in a single room. The PureAir system is designed to combat all three for comprehensive air purification.

Particles (*any substances measuring less than 100 microns** in diameter*) Removes 99.9% of mold spores, pollen, dust and pet dander. Removes over 95% of fine particles absorbed by the lungs, including infectious airborne bacteria and smoke down to 0.3 micron.

Bioaerosols and Microorganisms (*microscopic living organisms that grow and reproduce in warm, humid places*) Removes more than 90% of bioaerosols down to 0.01 micron, including airborne viruses such as MRSA, flu and cold viruses.

Odors/Chemical Vapors (*air contaminants in the form of gases*) Destroys volatile organic compounds (VOCs) and odors from sources such as cooking smells, pet odors, cleaning products, and fumes from carpeting or furniture solvents and paints.

Highlights

Health benefits

Exceeds hospital intensive care/ operating room level filtration***

Cleaner air

Does not produce ground-level ozone—it actually reduces ozone in your home

Reliable comfort

Derived from industry-exclusive air purification technology

Peace of mind

Performance is backed by a 5-year limited warranty on covered components

Filtration

Lennox filtration systems enhance your home's comfort and air quality, providing a cleaner, healthier home environment.

Healthy Climate Carbon Clean 16® Media Air Cleaner



The #1 rated HC16 is now the Carbon Clean 16
Source: Leading consumer magazine, November 2014

#1 rated professionally installed, whole-home filtration technology as ranked by a leading consumer magazine

Provides whole-home filtration for optimal home comfort and air quality, with no additional energy costs

It would take at least six of the top-rated portable room air cleaners to equal the performance of one Healthy Climate Carbon Clean 16® Media Air Cleaner†

MERV 16 Precision Pleat™ media filter (MERV 16*)

Hospital inpatient care/general surgery–level filtration

Removes over 95% of particles ranging in size down to 0.3 micron**

Removes over 90% of bioaerosols and microorganisms (like bacteria and viruses) down to 0.01 micron**

Effective filtration to protect HVAC equipment and keep your system running efficiently

No cleaning required

Cartridge slides out for quick and easy replacement

Cartridge lasts up to one year; as with any filtration product, replacement life cycle depends on the individual conditions and needs of your home

Compatible with any HVAC system, no additional power source is needed

No ozone emissions, a known lung irritant†; in fact, the Carbon Clean 16 can actually reduce ground-level ozone in your home by up to 50%

5-year limited warranty on covered components

Healthy Climate 11® Media Air Cleaner



Provides whole-home filtration for optimal home comfort and air quality, with no additional energy costs

MERV 11 media filter (MERV 11*) removes more than 85% of particles such as dust, pet dander and mold spores down to 3 microns**

Effective filtration to protect HVAC equipment and keep your system running efficiently

Quick and easy replacement with slide-out cartridge

Compatible with any HVAC system, no additional power source is needed

No ozone emissions, a known lung irritant†

5-year limited warranty on covered components

*MERV = Minimum Efficiency Reporting Value. Describes the filter's ability to capture particles and ranges from 1 to 16. Typical fiberglass filter = MERV 1. The higher the MERV rating, the better the filtration.

One micron = 1/25,000 of an inch in diameter. *ASHRAE Application Handbook, 2011.

†U.S. Environmental Protection Agency, "Ozone Generators that are Sold as Air Cleaners: An Assessment of Effectiveness and Health Consequences," August 2006.

Filtration (cont.)

Healthy Climate® High-Efficiency Particulate Air (HEPA) Filtration System



A true HEPA system means the entire system has been tested to meet industry standards for particle/bioaerosol filtration

Operates at up to 99.97% efficiency for removing particles and bioaerosols down to 0.3 micron*

A sealed bypass design traps particles and prevents them from escaping

Optional carbon filtration helps remove odors, chemical vapors and formaldehyde

Completely and quietly filters the air inside your home, several times a day

No ozone emissions, a known lung irritant**

5-year limited warranty on covered components

Healthy Climate Replacement Air Filters



Remove particles to protect your indoor air quality and your HVAC equipment

Cartridge slides out for quick, easy replacement

MERV 16*** available in 5" box

MERV 11*** available in 3" or 5" box

Making sense of MERV

Most home filtration systems are labeled with a **MERV (Minimum Efficiency Reporting Value) rating**, which describes the size of the holes that allow air to pass through the filter. The higher the MERV rating (typically ranging from 1 to 16), the smaller the holes, the better the filtration. Healthy Climate filters not only have high MERV ratings, but have also been designed by HVAC professionals to **enhance the performance and durability of your heating and cooling system.**

*One micron = 1/25,000 of an inch in diameter.

**U.S. Environmental Protection Agency, "Ozone Generators that are Sold as Air Cleaners: An Assessment of Effectiveness and Health Consequences," August 2006.

***MERV = Minimum Efficiency Reporting Value. Describes the filter's ability to capture particles and ranges from 1 to 16. Typical fiberglass filter = MERV 1. The higher the MERV rating, the better the filtration.

†American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Ventilation

Lennox® ventilation systems offer the airiness of the outdoors—without having to leave the comfort of your home. They are ideal for new homes which are tightly sealed, or for remodeled homes with energy-efficiency upgrades.

Healthy Climate® Heat Recovery Ventilator (HRV)

Effective ventilation for cold climates



Provides cleaner, fresher outdoor air while removing stale indoor air

Designed to provide comfort in colder climates

Transfers heat from indoor air before it is discharged

Will not restrict airflow for proper filtration

Designed to use less energy through a high CFM HRV with a Power Saver™ constant-torque motor.

No ozone emissions, a known lung irritant**

Limited lifetime warranty on aluminum core

5-year limited warranty on covered components

Healthy Climate Energy Recovery Ventilator (ERV)

Effective ventilation for humid climates



Provides cleaner, fresher outdoor air while removing stale indoor air

Designed to provide comfort in warmer, humid climates

Transfers incoming humidity back outdoors, while cooling incoming air

Will not restrict airflow for proper filtration

No ozone emissions, a known lung irritant**

Cold Climate Certified

5-year limited warranty on covered components

Ventilation Control System



Automatic monitoring of outdoor temperature and indoor humidity makes sure the air coming into your home is not too humid, hot or cold

Motorized damper controls the amount of outdoor air entering your home, never allowing more than what's needed

24-hour timer helps reduce energy costs

Industry compliance—meets ASHRAE† 62.2003 residential ventilation standard

User controls allow you to manage air exchange and circulation based on your individual needs

2-year limited warranty on covered components

Humidity Control

Humidity is a troublemaker when it comes to temperature, turning your home into a damp haven for mold, odors and bacteria. And that can affect the health of your family. Lennox® offers a full line of humidity control systems that keep your home comfortable—and protect your family.

Healthy Climate® Whole-Home Dehumidifiers



Effectively remove excess moisture from the entire home, a single area such as a basement, or a combination of both

Help create a healthier home environment by reducing dust mites and mold that thrive in humid environments

Protect home furnishings and wood from moisture damage

Use environmentally friendly R-410A refrigerant

Easier to use and less intrusive than portable units—no need to empty buckets of water!

No ozone emissions, a known lung irritant*

5-year limited warranty on covered components

Healthy Climate® Whole-Home Power and Bypass Humidifiers



Maintain optimal comfort during heating seasons by minimizing problems associated with dry air

Create a healthier home and lessen skin irritations, sore throats and respiratory problems

Protect home and furnishings by reducing the risk of wood warping and cracking

Provide an easier-to-use and less-intrusive alternative to portable units—no need to constantly fill and clean units

Built-in fan helps circulate humidified air (*Power Humidifier only*)

Available with Automatic Control to keep humidity precisely where you need it

5-year limited warranty on covered components

* U.S. Environmental Protection Agency, "Ozone Generators that are Sold as Air Cleaners: An Assessment of Effectiveness and Health Consequences," August 2006.

** Based on constant circulation of air in the home.

*** 3000-sq.-ft. home with a five-ton air handler.

Elimination

Using the power of maximum-intensity ultraviolet light, these Lennox germicidal lights help to dramatically reduce concentrations of microorganisms like mildew, bacteria and mold.

Healthy Climate UV Germicidal Lights



UV-2000



UV-1000

Powerful ultraviolet energy helps eliminate biological contaminants such as mold and bacteria

Highest UV light intensity on the market

Improve air quality by eliminating microbial growth inside equipment

Protect HVAC equipment and keep system running efficiently

Reduce concentrations of airborne bioaerosols by 50%** within as little as 45 minutes***

Available in 2,000 microwatts (UV-2000) or 1,496 microwatts (UV-1000)

No ozone emissions, a known lung irritant*

5-year limited warranty on covered components

Healthy Climate UVC Germicidal Lights



UVC-24V
UVC-41W-S
UVC-41W-D

Powerful ultraviolet energy helps eliminate biological contaminants such as mold and bacteria

Improve air quality by eliminating microbial growth inside equipment

Protect HVAC equipment and keep system running efficiently

Offer installation flexibility with added safety features and simplified maintenance

Reduce your family's exposure to potentially harmful airborne pollutants

No ozone emissions, a known lung irritant*

5-year limited warranty on covered components

Note: Hg-lamps contain mercury. Manage in accordance with disposal laws. Refer to www.lamprecycle.org or call 1-800-9-LENNOX.

A system of innovative products, all working perfectly together.



Every Lennox® product is a standout on its own. Working together in one system, Lennox products fill your home with air that's perfectly heated and cooled, and they do so with absolute efficiency.

Why choose a complete system?

Indoor and outdoor units can only operate at their peak potential when they are compatible with each other in type and size, as well as performance capabilities. By combining Lennox products that are made to work together, you can create an ideal system for your home.



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