



*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 like 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.<sup>††</sup>

### Purification

---

#### PureAir™ Air Purification System

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

DAVE LENNOX  
*signature*  
COLLECTION



PureAir Air Purification System uses the same MERV 16 filter that is also used in the #1 rated HC16 Media Air Cleaner  
Source: Leading consumer magazine, December 2007

#### Rest assured your air is cleaner

---

Dust. Chemicals. Mold. Mildew. Bacteria. Viruses. Pet dander. These tiny particles are all very common in homes. And they can cause all kinds of problems for you and your family. With the PureAir 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. The PureAir system is designed to combat all three for comprehensive air purification!

**Particles** (*any substances measuring less than 100 microns\*\* in diameter*) Removes more than 95% of particles down to 0.3 micron including dust, pollen and pet dander.

**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 viruses, dust mites, bacteria, mold spores and fungi.

**Odors/Chemical Vapors** (*air contaminants in the form of gases*) Removes and destroys approximately 50% of household odors and chemical vapors in a 24-hour period.<sup>\*\*\*</sup>

Destroys volatile organic compounds (VOCs) and odors from sources like cleaning supplies, solvents used in carpeting or furniture, paints, cooking smells and pet odors.

#### Highlights

---

**Health benefits**  
Provides hospital inpatient care/general surgery-level filtration via a MERV 16\* PrecisionPleat™ media filter.

**Cleaner air**  
Attacks all three classes of indoor air contaminants. No other single indoor air quality system attacks all three.

**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® 16 Media Air Cleaner



HC16 Media Air Cleaner  
#1 rated professionally installed, whole-home filtration system

Source: Leading consumer magazine, December 2007

**#1 rated** professionally installed, whole-home filtration system 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 16 Media Air Cleaner†

**MERV 16 Precision Pleat™ media filter** (MERV 16\*/CADR 1900\*)

**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** 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††

**5-year limited warranty** on covered components

### Healthy Climate 10 Media Air Cleaner



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

**MERV 10 media filter** (MERV 10\*/CADR 520\*) Removes up to 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. The Clean Air Delivery Rate (CADR) represents the cubic feet of clean air produced per minute.

\*\*One micron = 1/25,000 of an inch in diameter      \*\*\*Based on laboratory and field studies.

†Source: Leading consumer magazine, May 2005. Based on the published CADR.

††U.S. Environmental Protection Agency, "Ozone Generators that are Sold as Air Cleaners: An Assessment of Effective 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 and chemical vapors

**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 Pleated Media Air Cleaner (PMAC)



**Effective, collapsible MERV 10\*** media filter

**Enhanced UV resistance** for long life

**Removes circulated dust and other particles** ranging in size down to 3 micron\*\*

**Upgradeable** to a MERV 16\* media air filter

**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 and 5" or 6" expandable

**MERV 15\*** available in 3" box

**MERV 10\*** available in 3" or 5" box and 5" and 6" expandable

**MERV 8\*** available in 1" 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.**

\*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

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

<sup>†</sup>Must be accompanied by either a variable speed air handler or furnace and the ComfortSense® 7000 Series touchscreen thermostat.

## 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.

### Humiditrol® Whole-Home Dehumidification System

DAVE LENNOX  
*signature*  
COLLECTION



*Because drier air feels cooler, you may be able to set your thermostat higher with the Humiditrol® system and still feel comfortable. According to the U.S. Department of Energy, for every two degrees you raise your thermostat, you save 5–7% on your cooling bill.*

#### Ideal choice for optimal moisture control

Patented Humiditrol technology removes moisture, making you feel more comfortable without overcooling your home. Because drier air feels cooler, you may be able to set your thermostat higher and still feel comfortable. What's more, by minimizing the potential for mold and other pollutants, Humiditrol creates a healthier indoor environment, while safeguarding furniture, drapes and other home valuables from excessive moisture.

#### Designed for total home comfort

Humiditrol easily integrates with all Lennox® R-410A cooling products and the ComfortSense® 7000 Series touchscreen thermostat to provide optimal comfort, indoor air quality and energy efficiency.†

#### Highlights

**Increased comfort**  
Removes moisture from sticky indoor air

**Healthier air**  
Level humidity minimizes the impact of airborne pollutants

**Peace of mind**  
Performance is backed by a 5-year limited warranty on covered components

### 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

**Uses 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



Power

**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 option 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



Bypass

## 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 remodeled homes with energy-efficiency upgrades.

### Healthy Climate® Heat Recovery Ventilator (HRV)



- 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
- All units include** a Healthy Climate® wall control
- 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)



- 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
- All units include** a Healthy Climate wall control
- No ozone emissions**, a known lung irritant\*
- 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

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

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

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

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

Note: Warranties noted apply to residential applications only. See actual warranty certificate for details.

## 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 like 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-41W-D



UVC-24V

**Powerful ultraviolet energy** helps eliminate biological contaminants like 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](http://www.lamprecycle.org) or call 1-800-9-LENNOX.*



# A system beyond compare.

Products like the PureAir® air purification system are at their innovative best when integrated with Lennox® high-performance heating and cooling equipment in one home comfort system. Highlights include:



### SLP98V

The most efficient and quietest furnace you can buy.\*



### XC21

The most quiet and efficient central air conditioner you can buy\*\*



### icomfort Touch™ Thermostat

Sleek, easy-to-use control allows home comfort system components to exchange information and automatically make adjustments as necessary to deliver peak performance

## Optimizing efficiency

Concerned about your home's energy costs? Federal tax breaks are available for select Lennox® heating and cooling equipment. Depending on the system you choose, it may also be eligible for state and local tax credits, as well as rebates from local utility companies. Please consult your tax advisor for more information.

## Dealers you can count on

Choosing the right dealer for your home's heating, cooling and air quality needs is every bit as important as choosing the right brand. Whenever you call one of our independent Lennox Dealers, you can count on receiving exceptional customer service. Your Lennox Dealer's dedication to quality shows in their knowledge, training and expertise in designing the right system for your home, installing it properly and keeping it running perfectly for many years to come.

\*A combination of sound ratings established per ARI's test standard: 270; and efficiency ratings established per ARI's test standard: ANSI/ARI 210/240-2005.

\*\*Based on sound pressure levels during steady-state, high-fire and low-fire operation of Lennox SLP98UH070V36B and leading competitive units at mid-point temperature rise and minimum external static pressure when set up per Section 4.5.3 of ARI 260.



For a complete list of the registered and common law trademarks owned by Lennox Industries Inc., please visit [www.lennox.com](http://www.lennox.com).