



Healthy Climate®
Indoor Air Quality Solutions

Solutions that fit your unique needs





Healthy Climate® Indoor Air Quality Solutions

Custom, whole-home product solutions that reduce concentrations of contaminants in the air, while also improving comfort

An indoor air quality solution for every home, every need

Easy integration with heating and cooling systems for a cleaner, healthier and more comfortable home environment

According to the U.S. Environmental Protection Agency, the **air inside the average home is up to five times more polluted than the air outside.*** Results from in-home air tests across North America support this government finding. Nearly every home (96%)** had at least one IAQ problem:

- ◆ 86% had high levels of particles and bioaerosols like dust, pollen and viruses
- ◆ 71% were filled with odors and potentially harmful chemicals and gases

THE CHOICE FOR A HEALTHIER, MORE COMFORTABLE HOME

Dust dancing all around you? Is the sight of mold making you green?

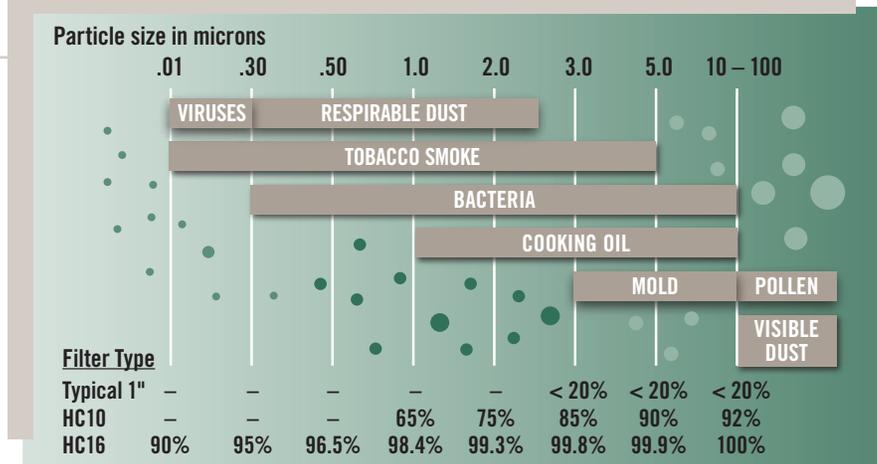
For whatever problem you're having with your home's air, there's a

Healthy Climate® solution.

Leading Innovation in Filtration

Healthy Climate air cleaners are rated up to MERV 16—for the utmost in contaminant control. And unlike many other systems available, Healthy Climate air cleaners maintain their efficiency over the life of the filter. As an added benefit, these products are easily installed in your ductwork, where they capture over 95% of fine particles (down to 0.3 micron†)—irritants that can be inhaled deep into the lungs.

PARTICLE-REMOVAL EFFICIENCY—HEALTHY CLIMATE AIR CLEANERS



Note: HC10: Healthy Climate® MERV10 filter, HC16: Healthy Climate MERV16 filter

The Healthy Climate collection is the industry's **first complete line of ozone-free indoor air quality systems.** In the earth's stratosphere,

ozone helps block potentially harmful ultraviolet light from reaching the ground. However, at lower levels in the atmosphere—the air we breathe—it's a product of pollution and can cause chest pains, coughing and shortness of breath.

Ozone may also worsen asthma.***



*Source: www.epa.gov/iaq, June 27, 2001
 **Source: AirAdvice 2004 field study - 10,254 tests
 ***Source: U.S. Environmental Protection Agency, "Ozone Generators that are Sold as Air Cleaners: An Assessment of Effectiveness and Health Consequences," August 2006
 †One micron = 1/25,000 of an inch in diameter

COMMON IAQ PROBLEMS AND SOLUTIONS



PURIFICATION

Problem	Odors and Chemical Vapors Perfumes, cleaning supplies, paints, pet odors, cooking fumes and other airborne contaminants
	Small, Respirable Particles and Bioaerosols/Micro-organisms Pollen, dirt, pet dander, dust mites, bacteria, viruses and mold
Solution	Air-purification systems attached to the furnace or air handler, where contaminants are removed and destroyed before air is recirculated into the home.



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

PureAir™ Air Purification System



FILTRATION

Problem	Small, Respirable Particles and Bioaerosols/Micro-organisms Pollen, dirt, pet dander, dust mites, bacteria, viruses and mold
	Air filtration systems combat indoor pollution by capturing even the smallest contaminants and keeping them from recirculating back into the home's air.



HC16
Media Air Cleaner
#1 Rated professionally
installed, whole-home
filtration system*
*Leading consumer magazine,
December 2007

HC16/HC10 Media Air Cleaners



HUMIDITY CONTROL

Problem	Too Much Moisture Can make the air feel stuffy and warmer than the actual temperature, and can also promote the growth of mold, mildew, fungi, bacteria and viruses
	Too Little Moisture Can cause dry skin, sore throats and respiratory problems, along with annoying static electricity
Solution	Dehumidifiers and humidifiers work with the home's heating and cooling system to keep moisture levels balanced in every room.



**Humiditrol® Dehumidification System
Power Humidifier
Bypass Humidifier**



VENTILATION

Problem	Poor Airflow A common problem in newer homes, which are tightly sealed to conserve energy. Instead of continually moving, indoor air becomes stagnant, and contaminants have no way to escape
	Ventilation systems replace stale, contaminated indoor air with outdoor air—providing the fresh-air feel of an open window, with virtually no heat/energy loss or safety risk.



**HRV - Heat Recovery Ventilator
ERV - Energy Recovery Ventilator
Ventilation Control System**



ELIMINATION

Problem	Small, Respirable Bioaerosols/Micro-organisms Pet dander, dust mites, bacteria, viruses, mold and other contaminants that can collect on the air-conditioning coil, reducing system efficiency, and circulate through the home
	Germicidal lights dramatically reduce concentrations of potentially harmful micro-organisms.



Germicidal Lights

A Lennox® Solution for Every IAQ Need

“BEST,” “BETTER” AND “GOOD”

“BEST” SOLUTION

Problem	Solution	Recommendation
Particles	Filtration	PureAir™ system
Bioaerosols	Filtration	PureAir system
	Elimination	Germicidal Light
Chemicals	Purification	PureAir system
	Ventilation	Energy Recovery Ventilator (ERV) or Heat Recovery Ventilator (HRV)
Low Humidity Relative humidity levels below 30%*	Humidification	Humidifier
High Humidity Relative humidity levels above 60%*	Dehumidification	Humiditrol® dehumidification system
Stale Air	Ventilation	ERV or HRV

“BETTER” SOLUTION

Problem	Solution	Recommendation
Particles	Filtration	Healthy Climate® 16
Bioaerosols	Filtration	Healthy Climate 16
	Elimination	Germicidal Light
Chemicals	Ventilation	ERV or HRV
Low Humidity Relative humidity levels below 30%*	Humidification	Humidifier
High Humidity Relative humidity levels above 60%*	Dehumidification	Humiditrol dehumidification system
Stale Air	Ventilation	ERV or HRV

“GOOD” SOLUTION

Problem	Solution	Recommendation
Particles	Filtration	Healthy Climate 10
Bioaerosols	Filtration	Healthy Climate 10
	Elimination	Germicidal Light
Chemicals	Ventilation	Ventilation control system
Low Humidity Relative humidity levels below 30%*	Humidification	Humidifier
High Humidity Relative humidity levels above 60%*	Dehumidification	Humiditrol dehumidification system
Stale Air	Ventilation	Ventilation control system

*National studies indicate that, for optimal comfort and health, your home's relative humidity levels should range between 30% and 60%.

DAVE LENNOX SIGNATURE® COLLECTION

PureAir™ Air Purification System



PUREAIR™ AIR PURIFICATION SYSTEM

- ◆ Cleans the air in your home better than any other single system you can buy
- ◆ Exclusive technology—combines photocatalytic oxidation with industry-leading MERV 16 filtration, **the same filtration technology as the HC16**
- ◆ Only single indoor air quality system to attack all three classes of indoor air contaminants:
 - Small, breathable particles such as dust, dirt, pollen and allergens
 - Airborne mold spores, bacteria and viruses
 - Odors and chemical vapors
- ◆ Removes more than 95% of particles ranging in size down to 0.3 micron
- ◆ Removes more than 90% of bioaerosols ranging in size down to 0.01 micron
- ◆ Removes and destroys approximately 50% of household odors and chemical vapors in a 24-hour period (based on laboratory and field studies)
- ◆ Reduces and destroys ozone (a product of pollution and a known lung irritant)

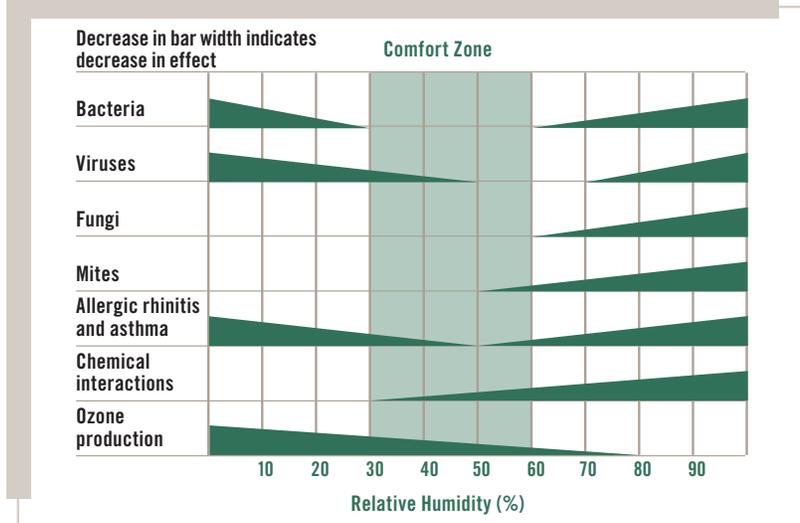
Humiditrol® Whole-Home Dehumidification System

EFFECTS OF HUMIDITY

	Low Humidity (0-30% relative humidity)	High Humidity (60% relative humidity or higher)
Comfort	Makes you feel cooler than actual temperature Makes you fatigue easily	Air feels warm and damp
Health	Dry skin/throat Higher risk of bacterial and viral infections and respiratory ailments Joint and muscle pain Sore eyes	Mold, mildew and dust mite growth, which can aggravate allergies and asthma Can promote the release of chemicals from household materials (e.g., formaldehyde from carpets)
Home	Warping and splitting of furniture and woodwork	Condensation or frost on windows

Depending on the season, the RH (relative humidity) in your home should range between 30% and 60%.

OPTIMAL COMFORT ZONE



DAVE LENNOX SIGNATURE® COLLECTION HUMIDITROL® DEHUMIDIFICATION SYSTEM

- ◆ Manages the moisture in your home's air for greater comfort and improved air quality*
- ◆ Patented Humiditrol® technology helps reduce humid conditions in the home, reducing the opportunity for mold and mildew problems
- ◆ Easily integrates with all Lennox® R410A cooling products to provide comfort, air quality and energy efficiency
- ◆ Removes moisture from sticky air to enhance comfort, without having to lower your thermostat and overcool your home
- ◆ Designed with reliable, time-tested components
- ◆ Installs easily in your existing duct system
- ◆ 5-year limited warranty on covered components

*Designed for integration with a two-stage air conditioner with R410A refrigerant, variable speed air handler and ComfortSense™ 7000 Series Touchscreen Thermostat.

Healthy Climate® Indoor Air Quality Solutions

FILTRATION



HC16
Media Air Cleaner
#1 Rated professionally
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filtration system*
*Leading consumer magazine,
December 2007

HEALTHY CLIMATE® 16 MEDIA AIR CLEANER

- ◆ Whole-home filtration with no additional power source
- ◆ MERV 16** Precision Pleat™ media filter
- ◆ 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 micro-organisms down to 0.01 micron
- ◆ Effective filtration to protect HVAC equipment
- ◆ No emissions of ozone, a known lung irritant†
- ◆ Cabinet-housed 5" filter
- ◆ 5-year limited warranty on covered components



HEALTHY CLIMATE 10 MEDIA AIR CLEANER

- ◆ Whole-home filtration with no additional power source
- ◆ MERV 10** media filter
- ◆ Removes over 85% of particles ranging in size down to 3 microns
- ◆ Removes over 85% of bioaerosols and micro-organisms down to 3 microns
- ◆ Effective filtration to protect HVAC equipment
- ◆ No emissions of ozone, a known lung irritant†
- ◆ Cabinet-housed 5" filter
- ◆ 5-year limited warranty on covered components



HEPA-20/40/60 HIGH-EFFICIENCY PARTICULATE AIR (HEPA) BYPASS FILTRATION SYSTEMS

- ◆ "True" HEPA filter media—99.97% efficient in removing particles ranging in size down to 0.3 micron
- ◆ Extremely effective in removing airborne allergens and irritants such as dust and bacteria
- ◆ Optional carbon filtration helps trap and remove odors
- ◆ 5-year limited warranty on covered components



HEALTHY CLIMATE HIGH-EFFICIENCY PLEATED MEDIA AIR CLEANER

- ◆ Whole-home filtration with no additional power source
- ◆ MERV 10** media filter
- ◆ Removes up to 85% of particles ranging in size down to 3 microns***
- ◆ Removes up to 85% of bioaerosols and micro-organisms down to 3 microns***
- ◆ Effective filtration to protect the HVAC equipment
- ◆ No emissions of ozone, a known lung irritant†
- ◆ Cabinet-housed, 6" expandable filter
- ◆ 5-year limited warranty on covered components



HEALTHY CLIMATE REPLACEMENT AIR FILTERS

- ◆ 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" or 6" expandable
- ◆ MERV 8 available in 1" box



The Healthy Climate® collection is the industry's first comprehensive line of ozone-free indoor air quality products

*Leading consumer magazine, December 2007

**Typical fiberglass filter = MERV 1. MERV (Minimum Efficiency Reporting Value) describes the filter's ability to capture particles. The higher the MERV rating, the smaller the particles captured, which means enhanced filtration. Ranges from 1 to 16.

***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

HUMIDIFIERS



POWER HUMIDIFIER

- ◆ 18-gallon capacity per day
- ◆ EquaFlo™ distribution tray for optimal moisture
- ◆ Equipped with a built-in fan that circulates humidified air throughout the home
- ◆ 5-year limited warranty on covered components



BYPASS HUMIDIFIER

- ◆ 17-gallon or 12-gallon capacity per day
- ◆ EquaFlo™ distribution tray for optimal moisture
- ◆ Uses the air handler or furnace fan to direct humidified air throughout the home
- ◆ 5-year limited warranty on covered components

VENTILATION SYSTEMS



HRV-150/200 HEAT RECOVERY VENTILATOR

- ◆ Designed for colder climates
- ◆ Retains heat and moisture from indoor air
- ◆ Will not restrict airflow for proper filtration
- ◆ Fresh-air exchangers remove stale air
- ◆ 5-year limited warranty on covered components



ERV-150/200 ENERGY RECOVERY VENTILATOR

- ◆ Designed for warmer climates
- ◆ Helps reduce conditions of high incoming humidity
- ◆ Will not restrict airflow for proper filtration
- ◆ Fresh-air exchangers remove stale air
- ◆ 5-year limited warranty on covered components



VENTILATION CONTROL SYSTEM

- ◆ Whole-home ventilation for improved indoor air quality and comfort
- ◆ Automatic monitoring of outdoor temperature and indoor humidity
- ◆ Meets ASHRAE (American Society of Heating Refrigerating and Air-Conditioning Engineers) 62.2–2003 ventilation standard—a key strategy for improving indoor air quality
- ◆ 2-year limited warranty

GERMICIDAL LIGHTS



UV-2000

- ◆ Improves air quality and protects heating and cooling equipment
- ◆ Highest intensity on the market today
- ◆ Dual lamp
- ◆ 2,000 microwatts
- ◆ UL-Listed
- ◆ 5-year limited warranty on covered components



UV-1000

- ◆ Improves air quality and protects heating and cooling equipment
- ◆ 1,496 microwatts
- ◆ UL-Listed
- ◆ 5-year limited warranty on covered components



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

- ◆ Improves air quality and protects heating and cooling equipment
- ◆ Installation flexibility with added safety features and simplified maintenance
- ◆ UL-Listed
- ◆ 5-year limited warranty on covered components



HEALTHY CLIMATE® SOLUTIONS

For 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 ozone-free Healthy Climate collection helps make your home a better place to breathe.



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Visit us at www.lennox.com, or contact us at 1-800-9-LENNOX.

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