



LENN

INNOVATION NEVER FELT SO GOOD.™

Healthy Climate® Solutions

Strategies and products
designed to improve air
quality in your home





Innovation never felt so good.™

Indoor Air Quality Problems

Research has shown the air in your home may be up to 100 times more polluted than the air outside*

There are three main classes of pollutants: particles, bioaerosols and odors/chemical vapors

The impact of pollutants on your health depends on several factors, including your age and overall well-being

Lennox offers an innovative solution for every indoor air quality need

WHAT YOU NEED TO KNOW ABOUT YOUR HOME'S AIR

Poor air quality—an issue that impacts every home

In the last several years, doctors and public health officials have found that poor air quality in the home is a growing problem, with significant health risks.

- ◆ **The air inside the average home may be two to five times—and occasionally up to 100 times—more polluted than the air outside***
- ◆ Almost all chronic sinus problems are related to indoor air quality**
- ◆ The number of people with asthma, allergies and lung disease has nearly doubled over the past 10 years***
- ◆ No home is immune to IAQ problems
 - All homes, no matter how clean they appear, are contaminated with dirt and dust
 - Older homes can be breeding grounds for mold and mildew
 - Newer, tightly sealed homes tend to have higher concentrations of chemicals

A problem with an easy solution

Research shows poor indoor air quality is a problem that affects every home. But, fortunately, it is a problem that can be prevented and corrected. Your local Lennox dealer can help you identify simple ways to improve air quality in your home, based on your needs and lifestyle.

Indoor air pollution is among the **top five** environmental risks to public health.

The average American spends **90%** of their time indoors.

Source: Environmental Protection Agency statistics

*Environmental Protection Agency (EPA)

**Mayo Clinic




***American Academy of Allergy, Asthma and Immunology

WHAT TYPES OF POLLUTANTS CAN BE FOUND IN YOUR HOME

Pollutants that contribute to poor indoor air quality

Pollutants like dust mites, mold spores, bacteria and chemical vapors can find their way into your home’s air every day. To learn more about how these pollutants can impact your health and home, refer to the chart below.

POLLUTANT TYPES, SOURCES AND IMPACTS

	Definition	Sources	Health Impacts	Home Impacts
Particles 	Pollutants found in the air: <ul style="list-style-type: none"> • Pollen • Dust Mites • Dirt • Pet Dander 	<ul style="list-style-type: none"> • Plants • Animals • Soil 	<ul style="list-style-type: none"> • Aggravation of asthma and allergies 	<ul style="list-style-type: none"> • Stained walls and upholstery • Decreased efficiency of your home comfort system, due to buildup of particles in ductwork
Bioaerosols 	Microscopic pollutants that thrive in warm, humid environments: <ul style="list-style-type: none"> • Mold spores • Bacteria • Viruses • Fungi 	<ul style="list-style-type: none"> • Plants • People • Animals • Ductwork • Humidifier drip pans • Water-damaged carpets, ceiling panels and walls • Furnaces or air conditioners that have not been properly maintained • Plumbing leaks • Dampness in basements, crawl spaces, attics and bathrooms 	<ul style="list-style-type: none"> • Aggravation of asthma and allergies • Eye, nose and throat irritation • Increased risk of respiratory illness • Body aches and/or fever • Skin rashes 	<ul style="list-style-type: none"> • Warping of floors • Discoloration of walls and ceilings • Damage to structural elements in home
Odors/Chemical Vapors 	Air contaminants in the form of gases: <ul style="list-style-type: none"> • Volatile organic compounds (VOCs), such as formaldehyde and gasoline • Pet odors • Cooking smells • Carbon dioxide • Carbon monoxide 	<ul style="list-style-type: none"> • Cleaning supplies • Paints and solvents • Perfumes • Tobacco smoke • New carpeting and upholstery • Air fresheners • Stored fuels and automotive products • Hobby supplies • Dry-cleaned clothing • Stoves, heaters, fireplaces and chimneys • Pesticides • Herbicides 	<ul style="list-style-type: none"> • Eye, nose and throat irritation • Fatigue • Skin rashes • Dizziness or nausea • Headaches • Allergic reactions • Aggravation of asthma • Increased risk of serious or long-term illness 	<ul style="list-style-type: none"> • Lingering odors • Discoloration of walls and ceilings

WHAT YOU CAN DO TO CLEAR THE AIR

Taking the first step

The first and most important step in improving air quality in your home is to monitor and identify the problem through in-home air evaluation. Your local Lennox dealer can test your home’s air for dust, mold, chemical vapors and other pollutants, and then make recommendations for correcting the problem.

Indoor Air Quality Solutions

IMPROVING IAQ

FOUR SIMPLE STRATEGIES TO IMPROVE YOUR HOME'S AIR QUALITY

Strategy	Lennox Recommendation/ Solution	How It Works	How It Helps
Monitor	In-home air testing and analysis through the Healthy Advantage™ program	Accurately pinpoints and measures odors, chemicals, dust, pollen, carbon monoxide, carbon dioxide and other pollutants, while also monitoring temperature and humidity levels	Identifies the levels of pollutants present in your home so you know which measures to take to correct the problem
Eliminate	<ul style="list-style-type: none"> • Routine household cleaning • Have an HVAC technician inspect your home to make sure equipment and ducts are properly sized and sealed • Make sure recessed lights are sealed • Store chemicals in tightly sealed containers • Control humidity and temperature: <ul style="list-style-type: none"> – Power humidifier – Bypass humidifier – <i>SignatureStat™</i> Home Comfort Control – Thermostats 	<ul style="list-style-type: none"> • Controls the sources of pollutants in your home • Maintains a proper balance of temperature, humidity and airflow 	<ul style="list-style-type: none"> • Minimizes the buildup of pollutants • Enhances comfort, efficiency and air quality
Ventilate	<ul style="list-style-type: none"> • Heat-Recovery Ventilator (HRV) • Energy-Recovery Ventilator (ERV) • Ventilation Control System (VCS) 	<ul style="list-style-type: none"> • HRV/ERV – Exchanges and dilutes contaminated indoor air with fresher, cleaner outside air • VCS – Draws in fresher, cleaner outside air 	<ul style="list-style-type: none"> • Provides the fresh-air feel of an open window, without the energy/heat loss or safety risks • Enhances comfort • Improves air quality by reducing concentrations of chemicals, fumes, carbon dioxide and other contaminants
Clean	<ul style="list-style-type: none"> • PureAir™ Air Purification System • High-Efficiency Particulate Air (HEPA) system • Electronic Air Cleaner • High-Efficiency Media Air Cleaner (PMAC) • High-Efficiency Box Media Cleaner (BMAC) • MERV 8 Air Filter • Germicidal Lights 	Destroys* and/or traps contaminants	<ul style="list-style-type: none"> • Improves air quality by reducing concentrations of pollen, dust mites, dirt, pet dander, bacteria, viruses, mold spores, fungi, odors and chemical vapors* • Enhances comfort • Helps protect furnishings • Helps prevent discoloration of walls and ceilings

*PureAir™ air purification system and germicidal lights only

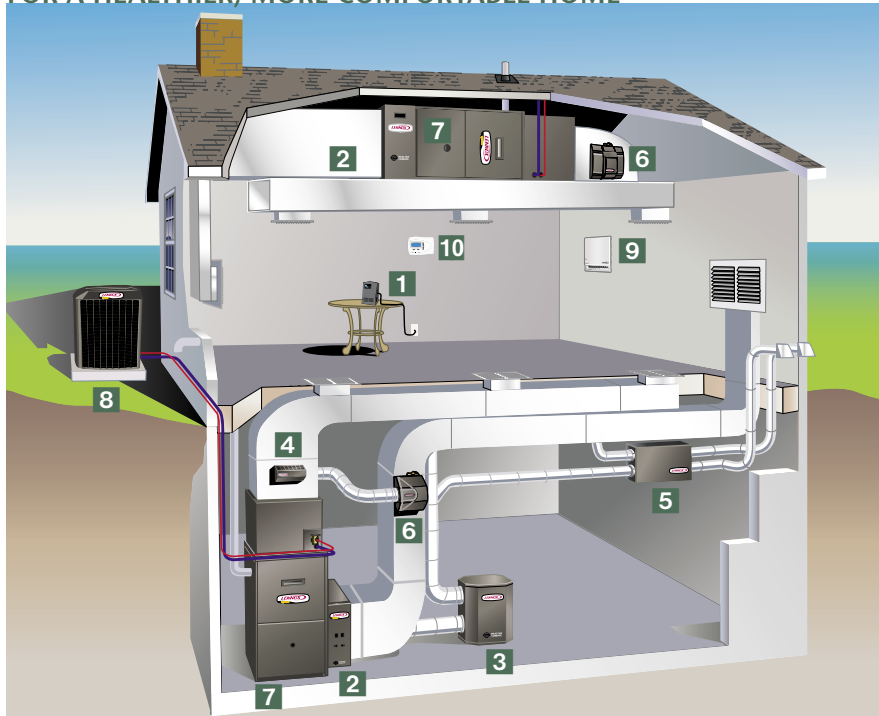


HEALTHY CLIMATE® SOLUTIONS

An integral part of your home comfort system

Healthy Climate® indoor air quality systems are designed to easily integrate with other innovative Lennox® products for complete, continuous comfort.

HEALTHY CLIMATE SOLUTIONS FOR A HEALTHIER, MORE COMFORTABLE HOME



- 1 AirAdvice® monitor** – In-home air testing and analysis
- 2 PureAir™ Air Purification System** – Cleans the air inside your home better than any other single system you can buy
- 3 High-efficiency particulate air (HEPA) system** – Best possible air-filtration performance
- 4 Germicidal lights** – Maximum germ-killing intensity
- 5 Energy- and heat-recovery ventilators** – A continuous supply of fresh air
- 6 Whole-house humidifiers** – Advanced moisture control for enhanced air quality and comfort

Dave Lennox *Signature™* Collection home comfort systems

- 7 Furnace or Air Handler** – The quietest furnace you can buy*
- 8 Air Conditioner or Heat Pump** – The quietest, most efficient central air conditioner you can buy**

Lennox® Comfort Enhancements

- 9 Zone Master II Zoning System** – Customized comfort for every corner of your home
- 10 SignatureStat™ Home Comfort Control** – Precision humidity and temperature control

*Based on sound pressure levels during steady-state, high-fire operation of Lennox G61MPV-36B-070 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.

**A combination of sound ratings established per ARI's test standard: 270; efficiency ratings established per ARI's test standard: ANSI/ARI 210/240-94.

Indoor Air Quality Systems

HEALTHY CLIMATE® SOLUTIONS

A full range of indoor air quality products for every home, every need



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

DAVE LENNOX SIGNATURE™ COLLECTION PCO-12C/20C PUREAIR™ AIR PURIFICATION SYSTEM

- ◆ Patented air purification technology
- ◆ Removes particles ranging in size down to 1 micron
- ◆ Removes bioaerosols ranging in size down to 1 micron
- ◆ Laboratory and field studies show that it can remove and destroy approximately 50% of household odors and chemical vapors in a 24-hour period
- ◆ Uses a MERV 9, 4" pleated filter
- ◆ 5-year limited warranty on covered components

HEALTHY CLIMATE® AIR PURIFICATION SYSTEMS



UV-2000/UVO-2000 GERMICIDAL LIGHT*

- ◆ Improves air quality and protects equipment by sterilizing illuminated surfaces
- ◆ Highest intensity on the market today
- ◆ 2,000 microwatts
- ◆ UL-Listed
- ◆ 5-year limited warranty on covered components



UV-500/UVO-500 GERMICIDAL LIGHT*

- ◆ Improves air quality and protects equipment by sterilizing illuminated surfaces
- ◆ 776 microwatts
- ◆ UL-Listed
- ◆ 5-year limited warranty on covered components



UV-1000/UVO-1000 GERMICIDAL LIGHT*

- ◆ Improves air quality and protects equipment by sterilizing illuminated surfaces
- ◆ 1,496 microwatts
- ◆ UL-Listed
- ◆ 5-year limited warranty on covered components

*Hg-LAMPS CONTAIN MERCURY.
Manage in accordance with disposal laws. Refer to www.lamprecycle.org or call 1-800-9-LENNOX.



HEALTHY CLIMATE™ VENTILATION SYSTEMS



HRV1-150/200 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



ERV1-150/200 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

HEALTHY CLIMATE FILTRATION



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

- ◆ "True" HEPA filter media—99.97% efficient at 0.3 micron in removing particles and bioaerosols
- ◆ Extremely effective in removing airborne allergens and irritants such as dust and bacteria
- ◆ Achieve the best possible air-filtration performance
- ◆ 5-year limited warranty on covered components



EAC ELECTRONIC AIR CLEANER

- ◆ Up to 94% efficient in removing particles and bioaerosols ranging in size down to 1 micron
- ◆ Equivalent to a MERV 12 filter for particle and bioaerosol filtration
- ◆ 5-year limited warranty on covered components



PMAC-12C/20C HIGH-EFFICIENCY MEDIA AIR CLEANER

- ◆ Up to 80% efficient in removing particles and bioaerosols ranging in size down to 1 micron
- ◆ High-efficiency pleated media filter (MERV 10)
- ◆ Enhanced UV resistance
- ◆ Increased bonding for prevention of air leaks
- ◆ Cabinet-housed, 6" filter
- ◆ 5-year limited warranty on covered components



BMAC BOX MEDIA AIR CLEANER

- ◆ Up to 70% efficient in removing particles and bioaerosols ranging in size down to 3 microns
- ◆ MERV 8, 3" and 5" filters
- ◆ Box style for easy installation and replacement
- ◆ Low air resistance for HVAC efficiency
- ◆ 5-year limited warranty on covered components



1" MERV 8 AIR FILTERS

- ◆ Up to 70% efficient in removing particles and bioaerosols ranging in size down to 3 microns
- ◆ 1" MERV 8-rated air filter**
- ◆ Cartridge slides out for quick, easy replacement

HEALTHY CLIMATE COMFORT ENHANCEMENTS



WP2 POWER HUMIDIFIER

- ◆ Unique flow-through design introduces moisture to dry indoor air
- ◆ Works with most central heating systems
- ◆ 5-year limited warranty on covered components



WB2 BYPASS HUMIDIFIER

- ◆ Unique flow-through design introduces moisture to dry indoor air
- ◆ Works with most central heating systems
- ◆ 5-year limited warranty on covered components

**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.

HEALTHY CLIMATE® SOLUTIONS

The Healthy Climate® collection includes whole-home air purification systems, humidifiers, ventilators, germicidal lights and more—all designed to improve your comfort, while reducing pollutant levels in your home.

HEALTHY ADVANTAGE™ PROGRAM

A new service offered by Lennox dealers, this program includes in-home air evaluation and professional consultation. For more information, contact your local Lennox dealer or visit us at www.lennox.com.

CONTINUOUS COMFORT NETWORK

Lennox® heating, cooling and air quality products are designed to provide efficient, economical comfort—not only as individual units, but also together as an integrated system. This combined network of products delivers on every comfort count, from even temperatures and balanced humidity to healthier air quality.



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