

INDOOR AIR QUALITY



LENNOX

INNOVATION NEVER FELT SO GOOD™

**Why it's important to keep
your home's air clean.**

Do you see what's wrong with this picture?



Just because you can't see the problem doesn't mean it isn't there.

No home is immune to indoor air quality (IAQ) problems. New homes tend to have higher concentrations of chemicals. Older homes can be breeding grounds for mold and mildew. And all homes, no matter how clean they appear, are contaminated with dirt and dust.

According to the 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
- ◆ 46% had problems with temperature and humidity

*Source: www.epa.gov/iaq, June 27, 2001

**Source: AirAdvice 2004 field study – 10,254 tests

What can you do to improve the air in your home?

Have your home's air tested.

An air monitor placed in your home for a few days will find what you can't see—thousands of microscopic pollutants hiding in the air. It also checks for temperature and humidity imbalances.

Indoor air testing pinpoints problems in your home that can impact your health and comfort.

Data collected from the monitor is evaluated by an independent testing agency, giving you insights into the types and levels of pollutants in the air, as well as the potential risks to your family's health. Once the results are in, your Lennox® dealer can provide suggestions for improving air quality in your home. Lennox offers a full line of indoor air quality systems designed to improve your overall home environment and health.



The first step in improving IAQ is identifying the problem with an air-quality monitor, which tests for dust, chemicals and other pollutants.



“Our daughter has allergies and frequently has coughing spells at night. The air monitor showed how bad the particle levels were in our home. It was remarkable to see and understand what was really going on. Afterward, we were able to cut particle levels by 75%.”

—Scott Morris
Medford, OR



What's the best way to clear the air?

Take a Lennox® whole-home approach.

The Mayo Clinic has found that air cleaners attached to whole-house systems are generally more effective than freestanding air cleaners.† Portable units only clean the air in one room, so multiple units are needed to purify your entire house. Plus, they can't effectively control all pollutants.

Unlike portable units that solve only part of the problem, Lennox Healthy Climate® systems address the whole problem.

Healthy Climate products install easily into your current heating and cooling system. They remove and destroy pollutants throughout your entire home, including small, invisible contaminants identified by the air monitor.

According to the EPA, the effectiveness of an air cleaner depends on how well it collects pollutants from indoor air (expressed as a percentage efficiency rate) and how much air it draws through the cleaning or filtering element (expressed in cubic feet per minute).††



PureAir™ air purification system

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



HEPA (High-Efficiency Particulate Air) filtration system

Best possible air filtration performance with up to 99.97% efficiency in removing small particles†††



†Source: Mayo Clinic website, January 8, 1999

††Source: www.epa.gov/iaq, October 1997

†††99.97% effective at removing particles as small as 0.3 micron that pass through the filter

Whether the air in your home needs the best filtration to reduce air-borne allergens or the most complete air purification system to address multiple IAQ issues, you can trust Lennox to provide the best solutions to your home's air quality problems.



Innovation™ never felt so good.

Why should you keep your home's air clean?

Poor air quality can lead to poor health.

Pollutants in your home's air can cause dizziness, headaches, nasal congestion and fatigue, plus it can aggravate allergies and asthma.

What causes indoor air problems?

Pollutants can come from many different sources inside and outside the home. For instance, carpeting and upholstery release chemicals into the air. These pollutants circulate through ductwork, entering every room and living space. And if ventilation is inadequate, the pollutants multiply. High temperature and humidity also increase concentrations of some pollutants.

What types of pollutants are generally found in the home?

Common pollutants include pollen, dust mites, dirt, pet dander, bacteria, viruses, mold spores, fungi, odors and organic chemicals. Among the many sources of pollutants are household products such as paints and glues, cleansers, new upholstery, perfumes and tobacco smoke.

*The American College of Allergy, Asthma and Immunology estimates that **50% of illnesses** are either caused or aggravated by poor indoor air quality.*

Lennox encourages consumers to get informed. Visit one of the following websites for more information on indoor air quality:

www.lungusa.org

American Lung Association

www.epa.gov/iaq

Environmental Protection Agency

www.aaai.org

American Academy of Allergy, Asthma & Immunology

www.nsc.org/ehc/airqual.htm

National Safety Council Environmental Health Center

www.MayoClinic.com

Medical and health information

www.airadvice.com

Indoor air quality testing

www.lennox.com

Details on indoor air quality products and programs



HOME COMFORT SYSTEMS
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