

INDOOR AIR QUALITY



Keeping your
home's air clean



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 they can aggravate allergies and asthma.

CAUSES OF INDOOR AIR QUALITY PROBLEMS

Pollutants can come from many different sources inside and outside the home. For instance, furnishings, such as upholstery may 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.

Do you see what's wrong with
Just because you can't see the pro



No home is immune to indoor air quality (IAQ) problems. All homes can contain elevated concentrations of dust, dirt and chemicals. These impurities may not be visible to the naked eye. Homes can also be breeding grounds for mold and mildew

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

this picture?

problem doesn't mean it isn't there.

Solution: Purification



The PureAir™ air purification system helps control everything from microscopic dust mites and mold spores to infectious bacteria and viruses. It safely and effectively removes and destroys odors and chemical vapors.

PureAir air purification uses the same filtration technology as the #1 Rated HC16.

The PureAir system cleans the air in your home better than any other single system you can buy.

Solution: Filtration



An air filtration system improves air quality by capturing contaminants, including allergy-aggravating particles like pollen, mold and pet dander—in every room of your home. One of the most effective filtration options is the Healthy Climate® 16 media air cleaner, which can remove a minimum of 95% of circulated dust, mold spores and other bioaerosols from 0.3 micron and up.***

Also available is the Healthy Climate 10 which is up to 85% efficient in removing particulate contaminants such as dust, dirt and mold spores down to 3 microns.

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

†Leading Consumer Magazine, December 2007

Solution: Fresh-air ventilation



Today's homes are sealed and insulated better than ever. While this helps conserve energy by preventing heat or energy loss, it blocks the flow of air and prevents pollutants from escaping. Ventilation systems replace stale indoor air with outside air. They also dilute the power of toxic chemicals commonly found in household furnishings.

Solution: Humidity control



Humidity inside your home has the same impact on your health as humidity outside. Too much humidity can promote the growth of mold and mildew. Too little can irritate skin and respiratory passages.^{††} Products like humidifiers, dehumidifiers and thermostats, working together with your heating and cooling system, can help keep your home healthier by keeping moisture levels under control.



Patented Humiditrol® technology helps reduce humid conditions in the home, minimizing the potential for mold and mildew problems.



Choosing an ENERGY STAR® product can help you improve comfort and save money. Get details at www.itpaystolivesmart.com.

^{††}Exposure to excessively dry air (relative humidity of less than 20%) can cause respiratory irritation. Source: American Academy of Allergy, Asthma and Immunology

HOW TO SOLVE THE PROBLEM OF UNHEALTHY AIR

THE PROBLEM	WHY IT'S A PROBLEM	THE SOLUTION
 <p>Odors/ Chemical Vapors (Perfumes, cleaning supplies, solvents, pet odors, cooking fumes)</p>	<p>Airborne chemicals can cause headaches, fatigue, nausea, rashes, dizziness and, in some cases, severe illness.</p>	<p>Purification – To combat toxins like chemicals, you have to destroy them. The PureAir™ air purification system safely and effectively removes and destroys chemical vapors and odors.</p> <p>Ventilation – These systems replace stale indoor air with fresh air from outside, which helps dilute the power of toxic chemicals commonly found in household furnishings.</p>
 <p>Particles (Pollen, dust mites, dirt, pet dander)</p>	<p>Small, respirable particles can aggravate allergies and respiratory conditions.</p>	<p>Filtration – High-efficiency filtration products are designed to capture small particles and keep them from recirculating back into your home's air. This also helps maintain the efficiency of your HVAC system.</p>
 <p>Bioaerosols (Bacteria, viruses, mold spores, fungi)</p>	<p>Biological contaminants can cause or aggravate asthma, as well as hay fever and other allergies.</p>	<p>Humidity Control – Products like the Humiditrol® whole-home dehumidification system help prevent moisture buildup, which can promote the growth of mold and mildew.</p>

