

Is The Air You Breathe In Your Home Making You Sick?

The quality of the air we breathe indoors has become an increasingly important environmental concern.

Following are facts that have been determined by recognized authorities in the fields of health and air quality:

FACT:

Most people spend 60% to 90% of their time indoors. (AMERICAN LUNG ASSOCIATION)

FACT:

Many illnesses are either caused by, or aggravated by, polluted indoor air.

FACT:

The levels of some hazardous pollutants in indoor air have been found to be up to 70 times greater than in outdoor air. (USEPA)

FACT:

Studies have shown that two out of three indoor air quality problems involve the HVAC system.

FACT:

More than 50 million Americans suffer from allergies or asthma.

FACT:

One out of six people who suffer from allergies do so because of the direct relationship to fungi and bacteria in air duct systems. (TOTAL HEALTH AND BETTER HEALTH MAGAZINES)

FACT:

Respiratory irritants can circulate within the ducts and enter the room through the registers. (ALA HEALTH HOME)

FACT:

Children and the elderly are especially affected by polluted indoor air. (DEPARTMENT OF CONSUMER AFFAIRS)

FACT:

Most commercially available fiberglass furnace filters are less than 7% efficient. (ASHRAE)

FACT:

The ducts in your heating and cooling system are the lungs of your home. According to the National Air Duct Cleaners Association (NADCA), "in a typical six-room home, up to 40 pounds of dust is created annually through everyday living." In addition to dust, other air pollutants are being "re-circulated 5 to 7 times per day, on average."

(www.nadca.com)

Why Do I Need My Ducts Cleaned?

- Heating, ventilation and air conditioning (HVAC) systems have been shown to act as a collection source for a variety of contaminants that have the potential to affect health, such as mold, fungi, bacteria and very small particles of dust.
- Replacing the filters to your HVAC systems helps reduce some of these problems, but it doesn't fully address the issue.
- For these reasons, thorough duct cleaning should be considered as one component in an overall plan to improve indoor air quality. When an HVAC system is clean, it doesn't have to work as hard to maintain the temperature you desire. Clean, efficient systems have a longer life span, are less likely to break down, and generally operate more effectively than dirty or dusty systems.

OxyQuantum®LED

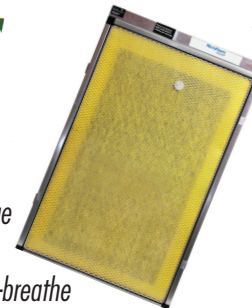
- Integrated UVC and UW air purifier that dramatically reduces and controls odors, airborne toxic compounds and infectious agents
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- High output 190 microwatt twin UVC lamp extends almost 16 inches into the duct, providing maximum efficiency
- Certified as safe and beneficial for residential use by the International Indoor Air Quality Association
- Patented UW light chamber is easily adjustable, and produces only safe levels of UW (O3)
- Specially-treated UVC/UW lamps have a two-year life



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MicroPower Guard®

The MicroPower Guard is your first step in improving the indoor air quality of your home. Due to its innovative polarized media technology that captures 97% of the smallest, most dangerous-to-breathe submicron airborne particles, the air cleaner is an essential component of any whole house air purification system, optimizing your indoor comfort.



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Is The Air You Breathe In Your Home Making You Sick?

Your air duct system functions as the respiratory system of your home. When it becomes contaminated and congested, it should be cleaned so it can breathe normally and efficiently.

If you answer yes to any of the following questions, it may be time to have your air duct system professionally cleaned.

- ☐ Does anyone in your house have allergies, asthma, or other respiratory problems?
- ☐ Is there a smoker in your house?
- ☐ Do you have dogs, cats or other pets?
- ☐ Do you notice "musty" or "stale" odors when the furnace or air conditioner runs?
- ☐ Do you notice dust on your furniture shortly after cleaning?
- ☐ Does it seem like there is not enough air flow coming from your vents?
- ☐ Is your furnace equipped only with a standard throw-away fiberglass filter?

Why Should I Choose R.S. Andrews To Clean My Ducts?

- Beware of companies that advertise "whole house duct cleaning specials" for very low prices. Many of them only include the main ducts and charge extra for the air handler, blower fans, coils, registers and cutting access. Upon arrival, many of these companies then up-charge to excessive amounts. The cost of duct cleaning also varies depending on how many vents are in the house.
- Instead of choosing a duct cleaning professional based solely on price, look for NADCA certified professionals or companies, such as R.S. Andrews.
- A reputable company, like R.S. Andrews, will:
 - give you an estimate before any work is started
 - be equipped with high-quality equipment to get the job done right
 - visually inspect your air ducts and cooling coil for leaks
 - vacuum and power wipe all duct work
 - wash every register, grill, and brush
 - clean the furnace blower motor.



Dirty Air Duct Systems Are A Major Source Of Indoor Air Pollution.

Dust, dirt, pollen, animal dander and other airborne contaminants are pulled into your air duct system every time the furnace or air conditioner runs.



Before Cleaning



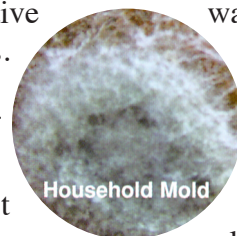
After Cleaning

These contaminants build up inside the ductwork over time and can help make your air duct system an ideal breeding ground for mold spores, bacteria, fungus, mildew and other microbes.

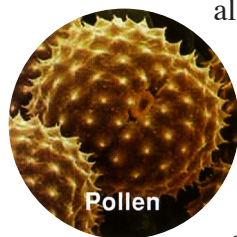
Each time the furnace or air conditioner is turned on, contaminants are spewed out and circulated throughout your home and affect the health and comfort of your family.

Family members who suffer from allergies, asthma or other respiratory ailments, as well as children and the elderly, are especially vulnerable to the effects of indoor air pollutants.

The removal of contaminants from the entire HVAC system is recognized by industry experts as the most effective way to eliminate air duct pollutants. This is referred to as the "source removal" method of duct cleaning. In addition to the obvious health benefits, duct cleaning can help you maintain a cleaner home. It



Household Mold



Pollen



Dust

also helps restore HVAC system capacity and lessen running time, resulting in lower heating and cooling bills.

Our HEPA-AIRE® Duct Cleaning System Performs State-Of-The-Art Source Removal Duct Cleaning.

The HEPA-AIRE method used by R.S. Andrews assures you that your ducts are being cleaned with the most advanced source removal equipment available. This high tech, state-of-the-art system is used by leading professional duct cleaners throughout North America, and is widely recognized as the most significant breakthrough in duct cleaning equipment technology in the past 30 years.

The key components of this system are the patented HEPA-AIRE portable power vacuum and the AIRE-SWEEP® compressor. This system enables our technicians to reach and thoroughly clean your entire air duct system with minimal noise and disruption.

First, the HEPA-AIRE power vacuum is connected to the air duct system near the furnace. Next, 1 inch access holes are drilled into the air ducts. Long lengths of air hose with special 360° high velocity nozzles are connected to the compressor and 'snaked' through the entire duct system, dislodging debris that has accumulated on inner duct surfaces. The HEPA-AIRE unit creates a powerful vacuum, pulling dislodged contaminants into its filtration system. This filtration system is so efficient that it captures contaminants 1/300th the diameter of a human hair and brings filtered "hospital grade" air to your home. Plus, it's so quiet you'll hardly know it's running.

Once your duct system has been cleaned, we reseal all access holes and your ducts are returned to "like new" condition.

