

**Sturm**  
Since 1945

## Heating & Air Conditioning

***It's time to clean the air you breathe***

Certified Duct Cleaning Service



# How is the air quality in your home?

How long has it been since you cleaned your air duct system?

Imagine how much dust and dirt has built up over years of use and changing seasons. Not only can that make it harder for your system to push air through your home, but all the air you and your family breathe flows through those ducts. Clean air is healthy air. Call us today and schedule a complete duct system cleaning so you (and your system) can breathe easy again.

## Indoor Air Quality

Indoor air quality is one concern that homeowners have when they decide to investigate air duct cleaning. In a typical six-room home, up to 40 pounds of dust is created annually through everyday living. Your heating and cooling system are the lungs of your home. The system takes air in and breathes air out.

Through normal occupation in a home, we generate a great deal of contaminants and air pollutants, such as dander, dust, dirt, pollen and chemicals. These contaminants are pulled into the HVAC system and re-circulated 5 to 7 times per day, on average. Over time, this re-circulation causes a build-up of contaminants in the duct work.

While dirty ducts don't necessarily mean unhealthy air in your home, school or workplace, they may be contributing to larger health issues or harboring contaminants that could cause serious problems for people with respiratory health conditions,

autoimmune disorders or some environmental allergies.

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

At the end of the day, what matters is how you feel. You can breathe easy after your ducts have been cleaned by our NADCA certified technicians!

## Energy Savings

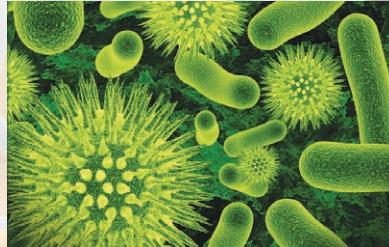
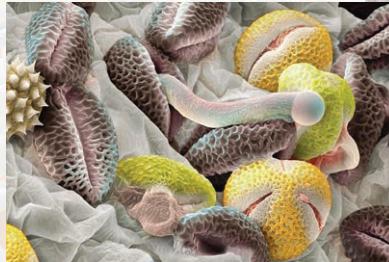
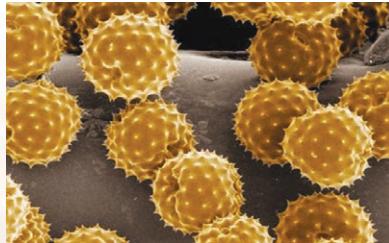
According to the U.S. Department of Energy, 25 to 40 percent of the energy used for heating or cooling a home is wasted. Contaminants in the heating and cooling system cause it to work harder and shorten the life of your system. Although filters are used, the heating and cooling system still gets dirty through normal use.

When an HVAC system is clean, it doesn't have to work as hard to maintain the temperature you desire. As a result, less energy is used, leading to improved cost-effectiveness.

Some examples of foreign bodies that could be found in your duct and ventilation system:

- Dust mites
- Fungus
- Bacteria
- Dander
- Hair
- Rodents
- Feces
- Odor
- Mold spores
- Chemical fumes
- Paint
- Household and/or construction debris

Any type of build up, debris particles or residue that can accumulate near your grates or vents can also end up in the duct system and air you breathe.



# The solution: clean air ducts for cleaner air.

The HEPA-AIRE method used by Sturm 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 duct system with minimal noise and disruption.

First, the HEPA-AIRE power vacuum is connected to the 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 11300th the diameter of a human hair and returns filtered "hospital grade" air to your home. And, it's so quiet you'll hardly know it's running.



Cleaning is performed in accordance with the National Air Duct Cleaners Association (NADCA) Standards and Guidelines by a certified Air Systems Cleaning Specialist (ASCS) and Ventilation Maintenance Technician (VMT).



*Sturm's Abatement HEPA-AIRE® duct cleaning system performs state-of-the-art source removal duct cleaning.*

# Duct cleaning could be the healthiest home improvement investment you will ever make.

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)



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