

What Are The Benefits Of Air Duct Cleaning

Air ducts are a vital part of the HVAC system in any house or building. They supply the necessary air to your heating and cooling systems, which provide you with the indoor temperature control you depend on all year round. If you've ever lived in a home or apartment with air ducts, you know that they can get dirty over time. You might think about cleaning your system but we are sure you are curious about what you will gain from that and **what exactly the benefits of duct cleaning** are, we are here to help answer this question.

It's simply a fact of life— dust and allergens get into the duct system where they're hard to clean out and eventually make their way into your home. These systems require regular maintenance to ensure that they are functioning optimally at all times and to prevent breakdowns. Doing regular maintenance for your HVAC system will prolong its life. It will make sure that everything is running smoothly and prevent any major repairs down the road.

Benefits of Air Duct Cleaning

Hiring a professional air duct cleaning company is one of the most important steps you can take to improve the indoor air quality in your home or office. There are many benefits to having your air ducts professionally cleaned, the top five of which are listed below:

A Healthier home for you and your family

Large amounts of dust particles can build up in your air duct system over time, which can cause health issues for you and your family. Pollen, dust, pet dander and fungal spores can all be found in dirty air ducts and breathing these particulates have been known to cause allergic reactions, respiratory illnesses and infections, even cancer over time. With **residential vent cleaning** services and by having the system cleaned regularly, these allergens and dust mites can be removed from the system before they have a chance to circulate into the air that you breathe.



Air Duct Cleaning Benefits Helps to save money on your utility bills

Having The ac duct cleaning may not just help the health of your family, but could actually save you money in the long run. An HVAC system that isn't properly maintained can waste up to 15 percent of the energy costs to heat or cool a home. A clogged HVAC duct system prevents your system from properly removing the heat from your home during the winter and returning cool air during the summer months and it doesn't matter what type of ducts you have. This results in the need for more energy to accomplish these tasks, which can cost you additional money. Having your air ducts cleaned can help prevent this wasted energy from being used in heating and cooling your home. Not only will this save money in the long run, but it will also allow you to have a comfortable home at all times during the year.

Clean Air Ducts Means Better Indoor Air Quality

One of the biggest risks to your health is indoor air pollution, which can come from smoking, cooking, or pets. But what you might not realize is that your HVAC system can be a source of air pollution as well. The dust that collects on your ducts can contain asbestos and bacteria among other things. If your home's ducts are not cleaned regularly, this dust can circulate throughout your home and into the air you breathe.

When your air ducts are professionally cleaned, you will see an improvement in the quality of your indoor air. The air duct cleaning

process removes any dust, dirt, mold, debris and other contaminants that have built up in the ductwork over time. This will also reduce any chemical odors that may be present in your home making it free of contaminants that can make you sick or cause allergies.

Extend The Lifespan of Your HVAC System

A layer of dirt, debris, dust and other contaminants can build up inside your HVAC system over time. If not properly cleaned, this buildup can lead to corrosion of the metal components of your system, which will reduce its efficiency, increase energy costs and possibly cause the mechanical systems of your HVAC system to fail prematurely.

Keeping your HVAC system clean is more than just a matter of comfort; it also makes the unit last longer. Professional air duct cleaning will extend the life of your HVAC system by preventing corrosion and other damage from occurring in the first place.



Reduced noise from your HVAC system

Noisy HVAC fans can be a major annoyance. If your HVAC unit is making excessive noise, you may not be able to hear the television or hold a conversation with someone in the same room. If you're trying to sleep, you may find it difficult to tune out the noise from your air conditioner or furnace. Find more about furnace and duct cleaning in our blog.

To eliminate excess noise caused by the friction created when fan blades rub against the sides of dirty ducts or when loose particles bounce around as they're blown around by the fans' airflow, speak with an HVAC contractor about having your heating and cooling system's ductwork cleaned and sanitized. A thorough cleaning will make an immediate difference in noise levels.

Removes Unpleasant Odors

There are many reasons for an unpleasant odor in your home, but it's most likely the result of a buildup of contaminants in the ducts, registers and vents. An accumulation of dust and dirt over the years can lead to a musty scent coming from the ductwork. Pets, household cleaning agents, paint fumes, mold, tobacco use and even food preparation all contribute to stale smells in the air ducts. Every time the furnace or air conditioner is running, these odors will repeatedly flow through the house.

This is why it's important to have your air ducts cleaned on an annual basis. Air duct cleaning removes all debris from the interior of your air ducts, including any musty odors that may have developed over time and any mold and mildew that may have grown, resulting in a fresher smelling home.

Breathe Easier and Get The All The Air Duct Cleaning Benefits With The Best Air Duct Cleaning Services

You can do a lot to improve the air quality in your home, but there is no substitute for professional air duct cleaning. Air ducts are usually inaccessible or hard to clean, so hiring a company that specializes in this duct cleaning service is the best way to keep your home's indoor air quality as clean as possible.

TROUBLES CAN BE ARISE IF A C DUCTS ARE NOT CLEANED

Are air ducts cleaned on a regular basis? If not that will result in serious health problems experienced by the staff.

Dirty ducts have a direct impact on the indoor air quality in the company premises. Some of the troubles that can arise from not cleaning the air ducts on a regular basis include:

Asthma Attacks

For asthma sufferers, breathing can already feel like a difficult task. If ducts are clogged and dirty and other impurities flying through the air. If an asthmatic person breathes in these impurities, they are more likely to suffer an asthma attack requiring emergency treatment.

WORSENERD ALLERGY SYMPTOMS

For many employees allergies are a major part of their lives. exposure to certain pathogens results in allergy symptoms. with a dirty duct system, any one is exposed to more dust, debris, and other bacteria that will worsen allergy symptoms.

RESPIRATORY INFECTIONS

Even if any body does not typically suffer from allergies or asthma, they can easily develop a respiratory infection from breathing in bacteria and other impurities in the air. constant exposure to dirty pathogens found in clogged ductwork can make them sick and cause infections such as tonsillitis, laryngitis, and certain types of influenza

SINUS INFECTIONS

The skin inside the nose is extremely thin, making it especially easy for bacteria to cause infections in the nose. sinusitis is a common sinus infection that is caused by breathing in contaminated air from dirty ducts.

CDC recommends a layered approach to reduce exposures to SARS-CoV-2, the virus that causes COVID-19. This approach includes using multiple mitigation strategies, including improvements to building ventilation, to reduce the spread of disease and lower the risk of exposure. In addition to ventilation improvements, the layered approach includes [physical distancing](#), [wearing face masks](#), [hand hygiene](#), and [vaccination](#).

WARNING SIGNS AND SCHEDULE FOR CLEANINGS

Most people give little thought to their HVAC system's ductwork until something has gone horribly (and expensively) wrong with it. This is a huge mistake as a little preventive air duct cleaning can go a long way towards keeping your system running efficiently and preserving the indoor air quality of your premises.

- **Dirt and debris around your vents** - If dirt and debris is noticed around the vents, there's a very good chance that the ducts have developed blockages or have a high amount of contaminants circulating inside the system.
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- **Signs of rodent or insect infestation** - If you see or smell evidence that rodents or insects may be living in your ducts, it's definitely time to have A/C ducts cleaned.
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- **Unexplained respiratory problems** - If members of the staff are having unexplained allergy, sinus, asthma, or other respiratory problems, excessive dirt and debris circulating through the ducts may be the cause of the problem.
- **Frequency of Air Duct Cleanings** - Because the HVAC system is integral to the premises overall health and functionality, the ducts should be cleaned on a **yearly basis**.

As per CDC guideline post Covid-19 pandemic, it has recommended to keep your air ventilation system to be checked in frequency according to usage & local indoor/outdoor quality. Find the link here.

https://www.ashrae.org/file%20library/technical%20resources/ashrae%20journal/2020journaldocuments/72-74_ieq_schoen.pdf

PROCESS OF DUCT CLEANING

METHOD - II ROTOBRUSH (USA) R-5000 Negative aiR

This system is the most powerful, portable and versatile negative air system. The **R5000** has the power of an air scrubber for remediation work.

- From one end wiper is inserted with compressed air which bangs on sides inside the duct and loosen the dirt, dust and debris.
- **R5000** is connected at the other end which sucks all dirt, dust and debris.
- There are different types of wipers for cleaning different types and sizes of ducts.



PICTORIAL REPRESENTATION OF THE CLEANING PROCESS

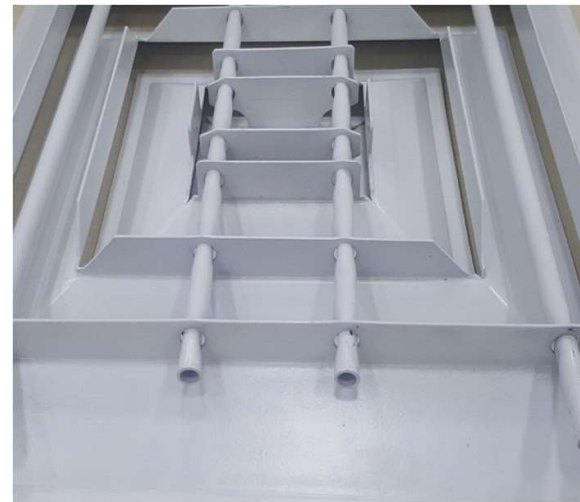


Using R-
5000



Before

AFTER Clean



Thank you