INFINITY

TEXAS AIR

INDOOR AIR QUALITY & SEASONAL CHANGES

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INTRODUCTION

Many individuals are unaware that indoor air quality might be even more harmful than outside air quality, even though outdoor exercise can exacerbate allergies. According to Mike Tringale, Vice President of External Affairs of the Asthma and Allergy Foundation of America, "increasing scientific evidence indicates that the air inside our houses may contain more allergens and contaminants than the air outdoors."

How, then can we guarantee that our houses are secure havens where we may breathe easily? The EPA recommends three measures for minimizing indoor air pollution such as: controlling pollutant sources, having adequate ventilation and purifying interior air.

You need to eliminate sources of moisture or humidity during the warmer months to prevent mold growth. Mold spores are one of the most prevalent and harmful allergies found indoors. The Allergy Relief Center recommends a relative humidity of less than 40 percent in the home to prevent mold formation.

First, ensure that your HVAC or central air conditioning system is operating properly. If difficulties persist, a central dehumidifier may be a viable alternative. The experts at BAIR Necessities can assist you in selecting the ideal solution for your house.

Make sure pollen does not enter your house. Never wear your outdoor shoes inside; if you have been outside for an extended period, change your clothes and wash your hair. Before entering your home, place soiled clothing in a secured container or hamper and wipe down your dogs with a damp washcloth.

Develop a weekly cleaning schedule to eliminate pollen, dust mites and other allergens. Mop wood or hard flooring with a damp mop and vacuum carpets. Use a vacuum with a small-particle or high-efficiency particulate air (HEPA) filter and routinely replace the

filter. Clean the tops of doors, window sills and window frames with a moist cloth. While cleaning, if you have severe allergies, wear a dust mask.

During non-pollen seasons, it is a dvisableto open your windows to ventilate your home regularly and fully. Our contemporary homes are tightly insulated, retaining the poisonous gases that seep from the chemicals used in mattresses, paint, carpets, furniture, treated wood, sheetrock or drywall, etc. However, it is unwise for allergy patients to open their windows during the pollen season. How can we ensure that our homes have adequate ventilation?

Many items are available to circulate and ventilate the air in your home. Again, a quality HVAC or Central Air Conditioning system is your first line of defense. Installing a mechanical ventilation system is a second alternative, especially for allergy sufferers and those who live in new homes where the risk of toxins leaking from new building materials is greater. BAIR Necessities solely employs Aprilaire ventilation systems of the highest quality.

Spring can be challenging for seasonal allergy sufferers, but you can take steps to safeguard your house.

Call Infinity Texas Air for assistance in improving your indoor air quality: 972-776-6601 or visit our address: 12025 LEWIS CIR FORNEY, TX 75126 and website: https://infinitytxair.com/ for further details.

CHAPTER 1: AIR FILTERS AND ALLERGIES

Summertime is a boon. Flowers blossom, the grass appears to become greener and the trees burst into color with their own life despite remaining rooted to the ground. Isn't it terrific? Not so much if you are prone to allergies. When pollen counts soar, you believe the best course of action is to wait it out in an air-conditioned room, correct?

We are coming to inform you that your plan will not work. It is foolish to believe that an air conditioning system will eliminate allergens from the air you breathe. There are specific types of air filters required for this type of filtering.

There are things you need to know about air filters and allergies, we'll dispel some widespread myths about how air conditioners alleviate allergy symptoms.

1. The first fact is that paper filters are inadequate.

Those paper channels often found in your heater and temperature control system are designed to trap large particles, such as residue, that can build on the engine and fans and reduce their efficiency. However, mold spores, microorganisms and certain types of dust are significantly smaller than the filaments of these conventional channels. Thus, they pass right through.

They pass through your ventilation system and are blown back into your space. Therefore, boost the ante and acquire the proper filters to keep your respiratory systems and allergies at bay.

2. You are mistaken if you believe Regular Filters Keep You Safe.

Many people mistakenly believe that the air channels in heaters and climate control systems keep allergens and residue out of the air.

In reality, this is not what HVAC channels are supposed to accomplish. Their objective is to keep dust out of the equipment to prevent damage to the structure and keep it operating efficiently.

While standard heating and air conditioning filters assist in removing some debris from the air (when changed regularly!), they do nothing to retain the microscopic allergens that cause allergy season's sniffling and wheezing. This is why sensitivities folks require air channels to filter out these microscopic particles.

3 - Air Filters Must Be Replaced More Often Than You Believe

For sensitivities, HEPA air channels (air filters) should be replaced more often than standard paper HVAC channels, especially during high-dust seasons.
This necessitates replacing them monthly or possibly more regularly depending on your location. An expert in HVAC administration can advise you on what is best for your equipment and property.
Similar to the proverbial fingers, not all HEPA filters are the same.

Unfortunately, searching for a HEPA channel for your forced-air system is insufficient. To achieve the greatest results, you must review the MERV evaluations.

How successfully HEPA air conditioning channels block particles of varying sizes for sensitivities are examined. The rating framework is called the MERV or the base proficiency revealing framework. The ratings vary from MERV 1 to MERV 20, with the

higher number indicating channels designed to remove the smallest particles, including different clouds of dust.

Your HVAC administration specialist can help you choose and install the optimal MERV-rated filter for your cooling and heating systems. In an ideal scenario, you should choose a filter with a MERV rating of 17 or above, which is the most effective at blocking the particles that cause sensitive adverse effects.

If precautions are not taken, staying indoors is just as dangerous as being outdoors. Last but not least, if you do not take care of yourself and allow yourself to remain indoors with the wrong air filters, you might as well remain indoors since allergens will be present both inside and outside.

CHAPTER 2: WHY IS THE INDOOR AIR QUALITY SO POOR?

Having allergies makes you unhappy throughout the day. It is one of the worst sensations imaginable and you dread the approaching "allergy season." Worse, even if you have allergies to outside irritants (e.g., pollen), you are normally only outside for a brief period each day. You, like most people, spend all of your time indoors.

Did you know that the air quality indoors is typically at least 5 times more hazardous to your health than the air quality outdoors? Therefore, you are exposing your allergies to more dirty air than if you were to go outside. Doesn't seem right, does it?

Why is the indoor air quality so poor?

Often, it relates to your HVAC system. There are many components of your HVAC system and each can contribute to indoor air pollution. This will worsen your allergy

symptoms. A professional in HVAC would be able to diagnose why you are suffering allergy symptoms in your house. Still, you need also be aware of the potential triggers to avoid repeat aggravation.

AIR FILTERS

Air filters are meant to remove contaminants that you do not want "entering" your living environment. Those constituents include dander, pollen, dust, filth, mites, etc. If your filters become clogged or ineffective, these contaminants can enter your system and accumulate in enormous quantities.

This allergen-laden air is distributed throughout your home via your HVAC system, creating a pervasive allergy issue. Frequent filter replacement or cleaning, assuming filters are reusable, is essential.

The frequency with which you replace your filters will depend on the sort of filter you have and the rate at which contaminants accumulate on it. Due to their lack of technological design, low-cost filters might allow a significant amount of "nasty" particles into your living environment. If you suffer from allergies, it is prudent to change from inexpensive filters to a HEPA filter, which may capture up to 99% of harmful particles.

DUCT SYSTEM

Unclean, poorly planned or improperly built ductwork can potentially let in allergen-causing contaminants. Particularly leaky ductwork can contribute to mold growth and let in dust and other pollutants.

HVAC SYSTEM

At least once a year, HVAC systems should be cleaned to prevent the accumulation of harmful contaminants. During the examination, it should also be confirmed that there are no inherent defects in the system causing the further accumulation.

CHAPTER 3: INDICATORS YOUR HOME'S INDOOR AIR QUALITY IS LESS THAN HEALTHY

Eyes that are itchy and runny, a scratchy throat and excessive coughing are signs of the common cold, allergies and air pollution. However, many people with these symptoms expect their symptoms to worsen during particular seasons of the year without considering the air quality within their homes.

In reality, many unpleasant symptoms are caused by poor indoor air quality rather than seasonal allergy-related pollution or allergens. Here are five indicators that the air quality inside your home is unhealthy.

1. Allergy symptoms

As stated previously, allergy symptoms are identical to diseases and allergen sensitivity. Many individuals believe that their troubles stem from seasonal allergies. They seek medical advice and pharmaceuticals to treat their problems but neglect to inspect their air filtration and HVAC systems.

The amount of allergens in the air is mostly governed by the state of your air conditioning, heating system, and air ducts, even though many allergens increase during peak allergy seasons.

2. Dehydration and Irritation

Do you wake up with excessively dry eyes or excessively bloody noses? This may indicate a significant medical illness but it may just be the result of dirt and dust in the air absorbing excess moisture. If your skin is also abnormally dry, there may be too much dust in your vents and your air filter may no longer function properly.

3. The presence of grime around the vents and fan blades.

Can you identify huge clumps of dirt and dust near vents and fan blades? Uncleaned ducts allow unwanted dirt and allergens to flow back into the air you breathe without your knowledge. However, visible symptoms will occur near vents and fan blades, the locations with the greatest airflow.

4. Guests and companions cough and sneeze.

The body is capable of astounding feats. Even with contaminated air, you may adapt and become oblivious to the extent of the contamination. If you invite guests to your home and they begin to sneeze or cough immediately, there may be allergens and dust in the air to which you have been accustomed.

5. Dust layers on flat surfaces

Do layers of dust quickly reappear on your window sills, tables and other flat surfaces after you dust? If you are constantly dusting without making any progress, there is a problem with your air filtration. The air filter may be clogged, preventing the necessary air filtering needed to prevent dust from spreading throughout your home.

If you have any of these symptoms, you may benefit from a ventilation duct cleaning, air filter replacement or heating and air conditioning system inspection. Contact Infinity Texas Air for assistance in improving your indoor air quality: 972-776-6601 or visit our

address: 12025 LEWIS CIR FORNEY, TX 75126 and website: https://infinitytxair.com/ for further details so that you can breathe healthy, clean air in your home.

CHAPTER 4: ADAPTING YOUR RESIDENCE TO SEASONAL CHANGES

As the year progresses, the weather gradually follows its yearly pattern. Depending on your location during the four seasons, the weather and its components always change. These seasonal alterations can cause typical wear and strain on a home.

Regular maintenance on the house and its appliances should be kept up-to-date to prevent excessive weather-related damage and to provide the homeowner with a higher quality of life and a longer lifespan for the house.

Maintaining your home in good condition and making it easier to sell in the future is the outcome of keeping up with its maintenance. Now that summer is coming close; autumn is just around the corner.

Homeowners should have their air ducts and heating appliances inspected, pack and store summer clothing and household belongings, inspect windows and doors for drafts and assess the roof for necessary repairs. Temperatures drop in the Fall, necessitating an inspection of your heating system.

This will ensure a comfortable living environment throughout the fall, winter and early spring. Ensure that your air ducts are not leaking, resulting in inadequate heating and insulation for the property, in addition to a well-maintained heating system, check for cracks that result in inadequate insulation.

During the colder months, the sealing might detach windows from their frames; therefore, it is necessary to reseal the windows to protect against the cold. After autumn, winter will be in full swing and you do not want the cold to enter your home.

Amongst other considerations, leaking faucets should be fixed. Compared to repairing a burst pipe in the middle of winter, the expense of repair would be relatively low. Also, inspect your roof for any necessary repairs. Examine the roof for any leaks or skylights that could jeopardize its durability. It wouldn't hurt to clean the gutters and downspouts while you're up there.

A cluttered home is not a good thing, as excessive furniture or decorations detract from a home's aesthetic appeal and pose safety risks. Pack and store away any seasonal things to limit the amount of unneeded clutter in the home.

Consolidate your closet by putting your summer items to create additional closet space. Most importantly, choose a place to store your deck furniture so it does not become damaged by severe winter conditions.

Those households fortunate enough to have a fireplace should get it in order. Ensure that the damper is open so air can freely flow through the chimney by removing all ashes and opening the damper.

If necessary, engage a professional to clean your chimney. As can be seen, the most important aspect of transitioning to fall would be keeping a pleasant and consistent temperature throughout the home. Given that you will spend most of your time indoors, it makes sense to take the required steps to create a comfortable living environment.

CHAPTER 5; HVAC AND INDOOR AIR QUALITY

Everyone desires a home with good indoor air quality (IAQ) that is safe for breathing but in reality, most homes are packed with contaminants that can cause severe health problems for your family. Modern homes are well-sealed and insulated, so the buildup in the air ducts is forced through the vents and into the air you and your family breathe whenever the AC or heat is running.

The EPA ranks poor IAQ as one of the top three threats to your family's health. Dust, pollen, pet dander, mold, mildew, the epidermis (skin), bacteria, viruses, chemical fumes, cigarette smoke and radon accumulate in your home's air ducts, making the air inside two to five times more contaminated than the air outside. Since people spend most of their time at home, this should raise a warning flag for your family's health.

Invisible toxins are waiting to enter our houses and cause mild to severe health issues. In the fall and winter, mold and mildew tend to accumulate more in the air ducts for us to breathe every time the heat is on.

With the high humidity that lingers in the air during the spring and summer, pollen becomes trapped in air ducts during these seasons. If humidity is low and the vessels are contaminated, bacteria and viruses will multiply at an alarming rate.

Microbial contaminants such as bacteria, viruses, mold spores, fungi, mildew and other organic and inorganic particles thrive in the ducts' buildup, which serves as a fertile breeding ground for them. This is a significant health risk for you and everyone you care about who enters your house.

Investing in having your air canals cleaned is the solution to this problem. This investment will protect your family's health from the dirty air ducts in your home's respiratory system. Everyone in your household who suffers from allergies, respiratory issues or asthma will substantially benefit from having this procedure performed.

Find an HVAC provider that cleans your ducts with a cutting-edge HEPA-AIRE Duct Cleaning System. It is a powerful vacuum and filter system that will remove particles as small as 1/300th the width of a human hair, preventing the return of contaminants into your home's atmosphere.

To ensure the absence of contaminants, the HVAC cleaners must also clean the indoor coil, the assembly and the supply/return register. You will have the peace of mind you deserve knowing that having your air ducts cleaned will protect your family from dangerous contaminants.

CHAPTER 6: REDUCE YOUR ALLERGIES TO A MINIMUM

Residents enjoy every season throughout the year in Ohio and the surrounding tri-state area. When the seasons change, so does the air, which can often impact seasonal allergies and breathing patterns. Dust accumulated over time in your air vents and furniture is often the cause of breathing allergies.

The elimination of any leftover dust bunnies that may have gathered in your home can be achieved through thorough duct cleaning. Heating, ventilation and air conditioning (HVAC) maintenance may eliminate or significantly reduce allergy symptoms.

Dust will accumulate in your home over time but not from dirt. Mold typically collects due to poor air circulation in residence. If the rooms in your home often feel stuffy, you may need to open a few windows or install additional air circulation throughout your home.

If you cannot enhance the circulation in your home, you should regularly vacuum and open doors and windows to circulate air throughout your home. This will help release air-blocking dust particles, preventing you from coughing up a lung or feeling like your head is continually swollen.

Another thing you can do, which is recommended for most allergies, is to follow the prescription route that most people do. There are currently even over-the-counter allergy treatments that do not require a prescription. These are available at any of your local retail establishments.

Ensure that you are taking the correct allergy medicine if you intend to take any. Something too potent will cause you always to feel sleepy but something too weak will not affect your system.

Finally, the best thing to do is to consider hiring a professional cleaning service and getting rid of dust-collecting things. The dust tends to build on old wool-covered couches, old newspaper piles and other dust-collecting objects.

Another issue could lead to passive smoking. If a household member smokes, this may also cause your active allergies. The best action is to eliminate all these items and maintain a clean and dust-free home. If the air around you is clear, it is more likely that your nasal passages will also be clear.

Nobody wants to deal with allergies but there are some steps you can take to avoid catching the worst of them. By cleaning and creating less dust around you, you can greatly reduce the likelihood of your seasonal allergies resurfacing. There are also some

methods for preventing your home's air vents from gathering even more dust during the season.

CHAPTER 7: ENSURE YOUR AIR CONDITIONER IS COOLING AS SUMMER'S TEMPERATURES RISE

As the seasons change, the environment and temperature are setting new records. In the coming years, summers will become increasingly hot and humid. What is the most effective strategy to stay cool and comfortable while minimizing energy costs?

Many individuals attempt to spend hours sitting or walking around malls. Also, bookstores and libraries are common possibilities. Although these suggestions relieve both the heat and the high energy expenses associated with using a house air conditioner, they are not always practicable. Then you must struggle with subsequent summers repeatedly.

Even if money is tight, it is still a good idea to get preventative HVAC maintenance performed. If the air conditioning or heat pump system is close to ten years old, the best action is to consult an HVAC professional.

It is typically more cost-effective to upgrade to the most recent technology available when it comes to HVAC systems. Depending on the age of your present condenser, compressor or air handler, it may not be possible to upgrade only one component.

Components of a heating, ventilation and air conditioning system must be sized and coupled to ensure optimal efficiency, which translates to the greatest savings. Often,

only the condenser cannot be replaced without replacing the air handler. This is one reason many homeowners are deterred by pricing that may appear excessive.

Due to current environmental requirements and worries about the inefficiency of older equipment, EPA rules and federal legislation may occasionally restrict or prohibit the replacement of older HVAC components of the same type. Many of the older components are no longer produced for this reason alone. In this instance, the homeowner might anticipate a significantly higher estimate.

This does not imply that the homeowner should accept the first estimate provided. It would be unwise not to receive more than three different quotes. It is commonly stated that "you get what you pay for."

This is often the case, but in the current economic climate, service organizations are increasingly engaging in severe competition due to their shrinking profit margins. This significantly increases the likelihood that the buyer will receive the same level of service at a lower price.

A company's track record should always be reviewed before picking their services. Word-of-mouth is one of the most effective types of advertising. It is also the most effective way to obtain recommendations for a business's services. Check around. If more than a third of the comments about a firm is bad, there is a good possibility that the claims are true and it is usually advisable to avoid the company.

One thing is clear, however: the hottest part of summer is not the ideal time to decide whether to service or replace the current HVAC system. Demand for service is always higher during the summer months and as a result, there may be a three-day minimum wait.

The unrelenting heat of 90 degrees or higher for at least three days is unbearable and dangerous for the young and elderly. Future summers will be enjoyable and worry-free if proactive and preventive maintenance is performed now.

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CHAPTER 8: PREPARING YOUR AIR CONDITIONER FOR SUMMER

Are you already concerned about the enormous energy bills arriving at your door this summer? If so, you must understand how to prepare your air conditioner for summer. Some homeowners expect that their energy expenditures will increase over the summer but there are steps you can take to avoid this. Prepare your air conditioner for hot weather by:

- Lower energy bills
- Prevent expensive system failures when you need the air conditioner the most.
- Create a warm and comfortable living environment.
- Extend the service life of your HVAC system
- A system of air conditioning consists of three components:

- A unit affixed on the wall

- An indoor unit fixed to the wall

HVAC ducts

All three components must be inspected and serviced before the warm months. When the seasons are ready to change, the following should be checked:

1. Examine the AC air filters and replace them as needed
Air filters serve an important purpose. The filters manage the room's temperature and filter out trash, pollen and dust. Before summer begins, it is essential to inspect the air conditioner's air filter and replace it if necessary. A clogged filter reduces the system's efficiency, increasing energy costs. This is one reason why inspecting and replacing air filters is essential.

If homeowners cannot change their filters, they should engage an expert HVAC technician. The new filters will prevent airborne diseases, dust, pollen and other contaminants from degrading indoor air quality.

2. Conduct an Examination of the Ductwork

Before summer hits, examine the ducting and other pipes. Look for leaks, debris or obstructions and carefully inspect the joints.

3. Consider installing a thermostat that can be programmed.

Many studies indicate that a programmable thermostat improves the efficiency of an air conditioning system. Setback thermostats are inexpensive and simple to install. The thermostat ensures that the room maintains the desired temperature, preventing energy loss.

4. Clean the Exterior Unit of Debris

Approximately two feet of clean space should surround the unit. This area permits air to circulate the device freely.

5. Examine the System for Condensate Removal

When heated air goes through the cooling coil, condensation occurs. There are many methods for removing condensation but it is essential to test the switches before preparing the air conditioning system for the summer.
These ideas are intended to help homeowners prepare their air conditioning equipment for summer. Those incapable of performing the tasks should consider hiring an air conditioning specialist to perform the required maintenance checks.

CHAPTER 9: SELF-PERFORM THE SEASONAL CHECKUP ON YOUR CENTRAL AIR CONDITIONER TO SAVE HUGE AMOUNTS OF MONEY

Now, you may contact the nearest HVAC licensed contractor to inspect your system and charge you for many services he did not perform. He will claim that your battery's charge was low, that he had to clean the condenser, that there was a mouse nest in it, that the mice ate some cables or that a part was faulty. You get the point - it's the equivalent of a car repair business taking advantage of customers.

OR you can save a significant amount of money by performing the task yourself.

Here is a list of items to search for and investigate.

Perform a thorough visual inspection of your condenser as the initial step. The condenser is the component that lies outside your home and contains the compressor that circulates the refrigerant. The condenser should level to 10 degrees, ensuring that the oil and refrigerant remain where they should be.

Take off the cover of the electrical connection box and search for bare wires; mice like to nest and munch on these lines. Look inside the disconnect box for rodent nests and exposed or frayed wires.

Examine the fan blades for any signs of damage. Examine the fins for damage and cleanliness; then, using a soft bristles brush, remove any dirt that has gathered on the fins' surface. Verify that there is no insulation missing from the suction line.

Verify that the condensation line from your furnace's "A" coil housing is still properly connected and draining. The "A" coil is the evaporator via which the liquid refrigerant is transformed into a gas as it absorbs heat from the ambient air passing over the fins.

Check the filter to ensure that it does not need to be updated. If there is insufficient airflow, the evaporator coil in your furnace will freeze, preventing any cooling.

Now, you should be able to begin operating the unit for the first time this season. Change the thermostat's mode to cool and adjust to the desired temperature. Ensure that the disconnect is activated. The condenser may take a minute to start up, so you should have ample time to go outside and observe the process. Listen for any growling or other sounds that signal a difficult start.

This indicates that the compressor motor is approaching its end of life. Ensure that the fan begins and operates at maximum speed. Check that the suction line beneath the

insulation feels cool to the touch. Also, check that the liquid line feels somewhat heated; this may take a few minutes.

Suppose there are inspection ports before and after the evaporator on your furnace. In that case, you may determine the temperature differential across the coil, which should be between 15° and 20° for a standard DX coil in-house central air conditioning. If there is none, a small hole can be drilled after the plenum to create one. The plenum is the section of ductwork right above the "A" coil.

This should only be done if you are certain of the coil's location within the ductwork. If you inadvertently pierce the coil, the refrigeration charge will be lost, you may injure yourself or others and it will be expensive to replace the coil. If you lack self-assurance, you should avoid this.

Put a small 1/8" hole in the plenum, insert a meat thermometer or any other thermometer that would fit and observe the air coming from the coil if you are confident and wish to proceed. The thermostat will indicate the temperature of the air before the coil.

If the temperature difference is too low, you will likely need to consult an expert. Before allowing them to touch your system, ensure they can present you with an HVAC-certified contractor license or logo. Many would-be contractors exist; they may be cheaper but their work is also inferior.

CHAPTER 10: MAINTAIN YOUR UNIT FOR OPTIMAL PERFORMANCE

Idealistically, we would want to turn on our heating and air conditioning equipment and have them deliver service when we want, at the desired temperature and for the entire season. Most people want their heating and cooling systems to function precisely as desired.

The issue arises when the HVAC unit malfunctions or when one moves to a new residence, location or location and discovers there is no AC installation. There are service providers with experts and specialists who can assist you in maintaining the integrity of your system.

If you consider purchasing air conditioning equipment, you may find the process difficult. With so many types and brands on the market, it is extremely difficult to choose which one is ideal for you.

Before deciding on a certain brand, it is advisable to analyze the unit's capacity and efficiency. Homeowners place importance on dependability, durability and warranties. In conclusion, purchasing a quality air conditioning system will make your home more pleasant and reduce your monthly energy costs.

Once you have completed the AC installation, you must maintain it so that your home is comfortable throughout the hottest summer days. What if you already have an air conditioning unit but are experiencing troubles due to a malfunctioning HVAC system? Perhaps your air conditioner is on and producing cold air.

You should still determine if it is working too hard. Before you find yourself in need of AC repair services, it is prudent to schedule regular maintenance. You can inspect your

unit to ensure it is not leaking and draining properly. Get online advice on how to keep your unit from working too hard.
Also, you must replace the filters every 3 to 4 weeks. Regardless of the time of year, if you want to keep your air conditioning unit operating efficiently, you must maintain a clean filter. If these filters are not clogged, they will capture dust and allergens.

So, to keep allergens out of your home, replace the filters regularly. On the other hand, when it comes to heating systems, it is crucial that you choose the system that meets your heating demands and meets all the standards for your location.

Some continue to assume that conventional heating systems are the best way to keep their houses warm. You must consider all components of such a system and ensure that you adhere to all maintenance suggestions for it to stay a healthy option.

If you want to purchase a new heating system, it is advisable to inquire about the price and additional costs of installation and plumbing fees. The price also depends on your home's size, energy efficiency, the desired level of dependability, and the guarantee.

Therefore, whether you need heating or central air repair and installation, you should contact the business that can best serve your needs. Visit Infinity Texas Air for assistance in improving your indoor air quality: 972-776-6601 or visit our address: 12025 LEWIS CIR FORNEY, TX 75126 and website: https://infinitytxair.com/ for further details.
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CHAPTER 11: PREPARING FOR FALL HVAC MAINTENANCE

The summer is coming close, and you can feel the first nip in the air. It brings to mind some things, including leaves, the holidays and all things pumpkin but you should also remember to perform fall maintenance on your heater. After a long summer, all the components of your HVAC (Heating, Ventilation and Air Conditioning) system must be inspected! A checkup ensures that your system is operating at peak efficiency.

Why is Fall Maintenance necessary?

Your HVAC system, like your automobile, requires routine maintenance to operate effectively and efficiently. Here are some additional benefits of being well-prepared for the next season!

To guarantee good performance of your furnace; maintain your entire HVAC system's functionality.

Routine furnace maintenance is simple and fast maintenance or tune-up will guarantee you survive the fall and winter seasons without a problem. You can visually inspect the exterior of your unit but we recommend calling a professional to inspect the inside components carefully. You must have your HVAC system serviced BEFORE the spring or fall season begins.

Maintain your system's reliability

Nothing is worse for a homeowner than a malfunctioning system in the dead of winter. With regular upkeep, you can rely on your system to function when you need it most.

Safeguarding your investment

Anyone experienced this will attest that a new HVAC unit is incredibly expensive! Depending on some variables, the cost of some systems can exceed $10,000. Maintenance ensures that your system will operate efficiently and reduce energy consumption!

How can you then prepare your HVAC system for autumn?

Call your preferred local HVAC contractor! Appointments are quickly filling up, so get moving! You may assist in addition to having a contractor visit your home by:

- Examining your filters: Check them monthly and replace them every three to four months or sooner if necessary.
- Ensure that the area surrounding the filter is clear. This prevents the appliance from overheating. Never store combustible objects close to your furnace.
- The HVAC systems are a substantial expenditure. By periodically testing furnaces and maintaining your systems to keep them operating efficiently, you will secure the longevity of your systems.

Infinity Texas Air provides heating and air conditioning services to business and residential clients. We sell, install and service different air conditioning systems, including humidifiers, high-efficiency furnaces, boilers, indoor air quality management systems, smart thermostats, ductless air conditioning systems and heat pumps.: 972-776-6601 or visit our address: 12025 LEWIS CIR FORNEY, TX 75126 and website: https://infinitytxair.com/ for further details.

CHAPTER 12: A USEFUL SPRING HVAC CLEANING CHECKLIST

Before the onset of the new season, practically all homeowners consider doing HVAC system maintenance. Compiling a list of all tasks to be performed is a wise method. Keeping your home's heating and cooling systems in good repair increases efficiency. Taking the proper procedures to clean and maintain your system will reduce repair expenses.

Let's examine the components of your HVAC Spring Cleaning Checklist.

Change out the Air Filter

When the season's change and spring approaches, you must replace your HVAC filter. Changing your HVAC system's filter every three months can boost energy efficiency and cooling capacity. To increase air quality, filters might be replaced more often, such as once a month. A new HVAC filter can be purchased from your local hardware store. Be sure to verify the correct size before proceeding.

Decontaminate the Condenser

The condenser is the exterior component of your HVAC system. The condenser might become soiled and blocked with dirt, debris and leaves over the winter. Clean the condenser to improve the air conditioner's performance throughout the heat.

Check the Batteries in the Thermostat

Before starting a new season, you should check the batteries in your thermostat. If the batteries in your thermostat die, your air conditioner will not function. If you replaced

the batteries in your thermostat last spring, now would be an excellent time to clean them. Simply slide the thermostat off the wall and replace the batteries to change the thermostat's batteries. Ensure that you purchase the correct size of batteries.

Dust All Surfaces and Vacuum All Ducts

Air vents can trap dust. When you run your air conditioner, dust might be thrown into your home. The vents can be removed with a screwdriver and cleaned with soapy water. You can also vacuum the vents and the interior of the ducts to the extent practicable. Also, ensure that all surfaces within the room are dusted. Although your air filter will also capture the dust, this technique will make its job easier.

Remove all Weeds

When cleaning the outside unit or condenser, remove any weeds that have grown around the unit. Weeds growing close to the unit might impede airflow and prevent your home from being properly cooled.

Test Operating System

Finally, remember to test your air conditioner. This will indicate whether the system is operating effectively. Before the temperature begins to rise, any strange sounds or odors can be eliminated.

CHAPTER 13: WEATHER CHANGES ARE RESPONSIBLE FOR ALLERGY ATTACKS

An allergic reaction is the body's immunological response to any threatening foreign substance. Many individuals suffer from chronic allergies; the vast majority claim that the weather negatively impacts their life.

A minor change in climate triggers a dormant allergen, causing immediate symptoms such as wheezing, itching, sneezing, coughing, vomiting and severe abdominal pains. This chapter discusses the "how" and "why" shifting weather patterns affect human health.

Arctic climate

Commonly associated with the advent of winter is the image of individuals coughing violently, sneezing and wiping a runny nose. We often attribute influenza-like symptoms to chilly weather. In most instances, it is an allergic reaction to dust.

Pollen, mites, insects and fungus are attracted to dust particles. It produces allergic reactions, including coughing, sneezing and itching skin. Stay indoors for extended periods exposes you to allergen-producing dust particles, making you feel ill and tired.

Many insects, such as ladybugs and beetles, enter homes to escape the cold weather. Humans develop allergic reactions to the fluids they secrete.

Warm temperature is warm

A warm climate is no less guilty than a temperature drop. Summer allergies are brought on by increased humidity. As temperatures rise, so does the ability of air to retain moisture. An increase in relative humidity affects indoor air quality.

Mold and other disease-causing microorganisms thrive in situations of high humidity and high temperature. It also thrives in homes with a lot of darkness and inadequate ventilation. Mold is one of the causes of allergic reactions.

Chronic cough, chest tightness, shortness of breath and wheezing result from high relative humidity in the home. There are various symptoms of high levels of dampness in the home. These include wet spots on ceilings, peeling paint, condensation on water pipes, mold growth, wood rot and a musty odor.

Spring is an additional season with warm temperatures. The number of flowers increases the quantity of pollen in the air. Weather-related asthma triggers mold and pollen, which also exacerbate asthma. Patients with asthma report that their symptoms worsen during thunderstorms.

Interventions to Reduce Adverse Allergy Symptoms

Certain precautions can be taken to prevent or minimize the severity of symptoms. You should maintain a record of your allergic reactions. It will help you assess whether you are susceptible to weather changes or allergies in the surroundings triggered by stormy weather. You should consult a physician. He will instruct you on managing allergic responses and symptoms. Daily weather prediction reading

Also, moisture trapped in the walls and other dark recesses can cause harm to your home. There are various ways to reduce humidity without heating and air-conditioning ventilation. This includes enhancing residential ventilation.

Open the windows to promote air circulation. Exhaust fans should be utilized in moist environments such as kitchens and bathrooms. Do not hang or dry damp clothes inside the home. They should be hung in an open area such as a balcony or terrace. Dehumidifiers and swamp coolers can reduce the quantity of moisture in the air.

CHAPTER 14: USEFUL MAINTENANCE SUGGESTIONS FOR YOUR HOME OR BUSINESS

Air conditioning is required in every residence and business in hot, humid regions. Each year, it is essential to inspect and service each air conditioning equipment before the onset of warm weather to maintain your comfort throughout the season and save money.

General Services and Verification

Your unit may have gathered dirt and debris after the fall and winter. Remove the unit's exterior casing (disconnect the power first!) and ensure that no leaves or twigs remain within. If the area is particularly filthy, sweep away the dirt.

Avoid damaging the coils or bending the fragile fins. A shop vacuum can be used to remove dirt. Using your hose to clean the machine is not a good idea, as you could create dirt within the machine or get water on the electrical components.

Air filters are necessary for the proper operation of your machine. If the filter is blocked with dirt, air will have a more difficult time passing through, causing the compressor to work harder and decreasing airflow and energy efficiency. Check them often and replace them at least once a year.

Check your owner's manual to determine if there are any services you need to perform, such as adding lubricating oil and inspecting any bolts or mechanical parts. Replace the covers when finished and inspect the area for weeds and vines before leaving. Restore power to the unit with care.

Check for leaks in the ducting and door and window seals when the unit is turned back on. You want neither cooled nor hot air to depart or enter the home. Also, you must inspect the insulation surrounding the coolant lines and replace it if it is torn or missing.

If you believe your air conditioner is not functioning properly and have performed all the recommended DIY maintenance, it may be time to contact a professional HVAC technician. Without training, working on the compressor or coolant system is unwise.

Methods to increase productivity and reduce expenses

Protection from the sun can have a significant effect. Place it where it will receive as much shade as possible, especially during the day's hottest hours. If the unit cannot be relocated, consider constructing a structure over it to shield it without impeding airflow.

Air conditioning units are rated for varying square footage capacities. Calculate the square footage of your home and use this information as an integral component of the purchasing procedure.

If your home is approaching the upper limit of a certain model's size range, you should upgrade to the following size. The unit may be more expensive but will function more efficiently and provide the necessary cooling capacity. Consider installing small window or wall units to complement the output of your primary unit if you expand your home or are stuck with a unit that is too small.

Also, temperature settings are essential to consider. You want to remain cool but it is not prudent to transform your house or office into a refrigerator.

Each time a door is opened, cooler air will exit more quickly and require significantly more energy to maintain a cooler temperature. Investing in a programmable thermostat that maintains a moderate temperature range and adjusts it automatically based on your schedule is a good option.

You can configure your office's temperature to be warmer during off-hours and your house's temperature to be cooler when you're on your way home. The cost to maintain a moderate temperature is cheaper than the cost to reduce a high temperature to a low one.

Do not delay these vital examinations and treatments! If you require expert assistance, time is of the essence. The warmer it gets, the busier the technician will be (and the more likely his rates will increase)!

CHAPTER 15: HVAC MAINTENANCE BY SEASON

When planning your annual HVAC inspection, it makes any sense to, so to speak, "choose your battles." Owning your house could save a lot of worry by being proactive with heating and air conditioning maintenance. This chapter will discuss the best and worst times to arrange an appointment with a heating unit repair business.

Whether the repairman's appointment is due to problems with your home's heating or air conditioning devices, you should know that there is a cost difference between spring, summer, fall and winter for these services. As important as the specific business you pick to do these services is the time of year during which repairs are performed.

Whether your heating or air conditioning devices require repair or need to call in aid to mend defective ducts or ventilation units, the most important question is the same: when is the best time to throw in the towel and get professional assistance?

To begin with, spring is an ideal time to schedule an annual air conditioning system inspection with your HVAC technician. For starters, you're booking well out of season, so there won't be a swarm of other customers demanding an HVAC technician's services simultaneously.

Moreover, you will not be required to pay a premium for high-demand services throughout the summer months. Be proactive and book your examination months in advance. When your air conditioning inspection is complete, you will be ahead of your neighbors and prepared for the next warmer months. It is the sensible thing to do.

Summer is the worst season to arrange an air conditioning inspection, so only do so if necessary. Before you pay an arm and a leg for expensive HVAC servicing, you may want to try implementing a few quick fixes.

For example, perform some summertime "spring cleaning" on your air conditioning unit. This necessitates a thorough inspection of the unit's exterior and inside and an examination of the entire equipment.

Ensure that all dust, dirt and grime that may have accumulated over the past few months or years are thoroughly removed. Make certain that you replace the filter regularly. At least once every month. Verify that your thermostat is operating properly by inspecting it.

If none of these solutions seem to remedy the troubles you may be experiencing, you will have no choice but to make the call. Remember that this is the worst time of year for HVAC service calls. Indeed, your service repair expert may have difficulty scheduling a home visit.

During the busiest season for HVAC companies, he will likely have a substantial backlog of clients requesting his services. Therefore, if you believe you require HVAC servicing, you should be prepared to make a major financial and time investment. The company will get back to you. Nevertheless, it is uncertain when this will occur over the summer.

During the fall season, your proactive predictions should focus on the wintertime performance of your heating system. You should strongly consider having your furnace thoroughly inspected.

Also, you should have your vents and ducts cleaned to ensure they deliver efficient, cost-effective heating during the winter months. Do not wait until the winter season to call for HVAC assistance, as this is by far the worst time of year.

If you require assistance during the winter months, take a few precautions to ensure that you will require a professional. Check your thermostat to ensure that it is operating properly. Check the furnace's pilot light to ensure it is still operating well. Ensure that every floor register is entirely open and remember to replace your furnace filter at least once per month.

If you have taken all these preventative measures and are still in need of HVAC service, call the provider. HVAC industry professionals know that wintertime calls are the most urgent and will take every precaution to ensure a timely response and swift servicing.

CHAPTER 16; PIPING-HOT HVAC TIPS FOR AUTUMN

Many individuals put off deciding to renovate their homes since it is a significant one. There are various reasons for delaying the commencement of a large project, including financial worries, time constraints and sheer procrastination! The issue arises, however, when tasks are delayed until it is too late and the repair or house remodeling must be completed immediately.

HVAC systems and windows are two of the most likely targets of such a tragedy. These are home amenities that many people take for granted until they are required, such as during the long winter or sweltering summer.

When replacing one of these elements, giving ample time and sorting through the alternatives can save substantial time and money in the long run. However, repairing or replacing such a system at the last minute, when it is already too late, can be a nightmare. To achieve the greatest potential when replacing or repairing your home, consider approaching such jobs as follows.

Think Forward Knowing the age of your home's HVAC system and windows is crucial when replacing them. Don't wait until winter, when one or the other requires repair, to consider making a switch.

Consider the age of your home's characteristics if you've lived there for a significant time. If you are purchasing a property or moving into a new home, ask the right questions to prepare for such a significant repair with years, not months, of notice.

For instance, late spring is an excellent time to begin replacing windows. Earlier in the spring, when you can live without heat and air conditioning for many months, could be a suitable time to update your HVAC system.

Comparatively, shop around. There are multiple approaches to such a project. Therefore even if you lack firsthand knowledge, you should study many resources. Consult with some contractors and suppliers to choose the greatest value and the available products. Even a fundamental understanding of your needs will save you time, money and headaches in the long run.

Knowing about an upcoming repair or replacement not just months but a year or more in advance provides ample time to obtain funds and allow savings to grow. Instead of

hoping and crossing your fingers that your emergency fund will be sufficient for house repairs, prepare ahead!

The more research, time and consideration you devote to a project, the better the end will be when replacing an HVAC system or windows or making any other home improvement.

Is your home's heating system winter-ready? If you're like most homeowners, you probably haven't given it much thought in the past few months. Now that winter is approaching. However, it is time to prepare your system for an extended period of heavy use. Adhering to these straightforward HVAC maintenance guidelines ensures your system operates efficiently throughout the winter.

1. Change Air Filters

Ensure your furnace's air filters are clean before testing the heating system. Filters that are blocked with dirt, dust and debris can place additional strain on an entire heating system. Operational efficiency can decrease by up to 15 percent, resulting in greater energy costs.

Regularly emptying and replacing filters can also eliminate environmental allergens from the air before they reach asthmatic and allergic individuals. According to most HVAC specialists, air filters should be replaced every two to three months for the best efficiency.

2. Examine the Temperature Settings

Your HVAC system aims to provide conditioned air for your comfort. The optimum winter temperature setting for heating is 68 degrees Fahrenheit (room temperature).

This environment should be comfortable for most people. If you choose to increase it more, you should know that each degree above room temperature will increase your energy cost by one to two percent. However, if you reduce the temperature while you are away, you can save roughly the same amount.

3. Inspect Ducts

According to a recent U.S. Department of Energy analysis, the average home loses between 20 and 30 percent of the air that passes through its ducts owing to gaps, leaks and improperly connected pieces.

However, with patience and a keen ear, homeowners may detect any air escaping from ducting. Once detected, small issues can often be resolved affordably by a professional. It is also highly suggested that you have the same specialist do a pressure test on your ducts every few years to check for concerns.

4. Remove the Vents

After months of idleness, vents in homes with central heating often become clogged with dust and pet hair. Cleaning these places should increase overall operational efficiency and minimize the dust, debris and allergies that circulate throughout the house.

Individuals with radiators or baseboard heating systems need to keep the heating elements unobstructed. Conditioned air cannot circulate throughout the space if they are obstructed by furniture or other items.

5. Get a Tune-Up

Want complete tranquility? Scheduling an HVAC tune-up is the most effective way to guarantee optimal winter performance. In addition to adjusting and cleaning your furnace, the home service professional will check the condition of each component. If

minor faults are identified, they can be fixed before they become significant, costly problems.

CONCLUSION

It is not surprising that individuals often begin to fear their air conditioning systems when spring changes to summer. When humidity levels increase, houses that stay comfortable during the winter become intolerable. However, if the system is routinely maintained, all emergency calls will cease immediately.

As a result of learning the routines of homeowners, some service providers now provide substantial discounts on system maintenance. The rates are typically fairly attractive

when you join up for some years. Comparing this to emergency call-outs demonstrates the potential for cost reductions. Add to this the fact that the household will not be disrupted by malfunctioning systems and the solution is obvious.

Those with existing contracts will receive priority in emergency scenarios as well. Customers that have been with the contractor for a while will experience this benefit, while others who are not as organized will pay more when the weather is uncooperative. Even chilly snaps can result in emergencies, which can be, to say the least, rather unpleasant.

Inevitably, there will come the point when the system is too old or out of date to function effectively. This will necessitate the replacement of the entire item. Although the price tag may be intimidating, it should ultimately pay off on multiple fronts. Modern systems will lower energy costs and homeowners considering selling their homes soon will be able to add the cost to the asking price.

When individuals inspect a home, they often ask extremely perceptive questions and a home with an antiquated system will receive significantly fewer bids than usual. People do not want to go through all that trouble while relocating; therefore, it is preferable to get it completed before listing the home. If the home is in good condition and the system is not too old, it will be much more appealing to potential buyers in the future.

Once the new system is installed and operational, maintaining a record of all maintenance and repairs will demonstrate to a prospective buyer that the system has been effectively maintained and should last for many years. Finding the right contractor to keep up with the servicing is also crucial, as they will become intimately familiar with the system and can rectify errors before they cause damage.

Call Infinity Texas Air for assistance in improving your indoor air quality: 972-776-6601 or visit our address: 12025 LEWIS CIR FORNEY, TX 75126 and website: https://infinitytxair.com/ for further details.