

# Indoor Air Quality

## Let's breathe healthy, live healthy

# What you should know about the Quality of Air in Your Home or At Your Work Place?



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**Because what you don't know could  
be Hurting You and Your Family.**



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### Your Ducts Should be cleaned if:

- ✓ You notice an unpleasant smell in your home or at business place.
  - ✓ Your registers are dirty.
- ✓ You/your family/staff has allergies and/or asthma.
- ✓ You have young children or elderly family living with you.
  - ✓ You have pets.
  - ✓ You have smokers in the house.
- ✓ Ducts were cleaned more than 2 years ago



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### Facts about air quality and health concerns

#### Research estimates:

- ...60 million people suffer from allergies
- ...26 million people suffer from asthma
  - 9 million under age of 18
  - asthma most prevalent chronic disease in children
- ...children lose 14 million school days a year due to asthma & allergies
- ...air inside home is at least 10 times more polluted than outdoor air
- ...indoor air pollution is one of top 5 health concerns of the American Lung Association

Sources: [lungusa.org](http://lungusa.org) and [aafa.org](http://aafa.org)



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### More Facts - Air Quality Research

- 50,000 homes & businesses were tested over three years, looking at the following indoor air quality issues\*
  - Particle allergens (airborne particulate matter like dust, pollen, etc.)
  - Volatile Organic Compounds (VOCs)
  - Carbon Dioxide
  - Temperature
  - Humidity
  - Carbon Monoxide
- Almost **97%** of the tested homes & businesses had an IAQ problems
- **Over 90%** of those tested places showed particle levels higher than recommended

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### More Facts



- Allergies, asthma, other respiratory conditions aggravated by humidity problems, dust and VOCs found in most homes & business locations
- Humidity too high or too low can be problematic for asthma sufferers

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### Quote from [aafa.org](http://aafa.org)

“The best way to improve symptoms is to eliminate the source of the allergen from the home whether that is the pet or a heavily mite-infested upholstered chair. The next best step is to take measures to decrease the exposure to the allergen. Other important measures are to increase the circulation of outdoor air into the home and to reduce the humidity as much as possible.”

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### What we can do to impact the inside environment

- ✓ Make the air inside your place cleaner
- ✓ Make the air inside your place more healthy
- ✓ Minimize drafts and “stale” air
- ✓ Deliver “fresh” air to the place
- ✓ Improve filtration of the air
- ✓ Minimize the amount of dust that accumulates in your home or business location and duct system.





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The average home accumulates 40 pounds of dust per year.

Source: California Energy Commission

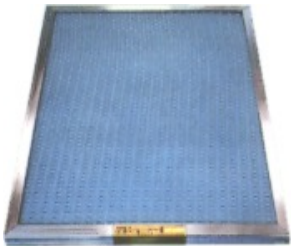
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### Filtration System Can Improve Cleanliness



- Good filter can remove even smallest particles from air stream
- A good filtration system has other tangible benefits
  - Improved system efficiency – clean coil maximizes efficiency, dirty coil compromises efficiency
  - Improved comfort – clean system improves airflow, allowing system to deliver the designed performance (cool or warm air) to living space
  - Customer convenience – maintenance agreements that mean customer never has to change his own filter



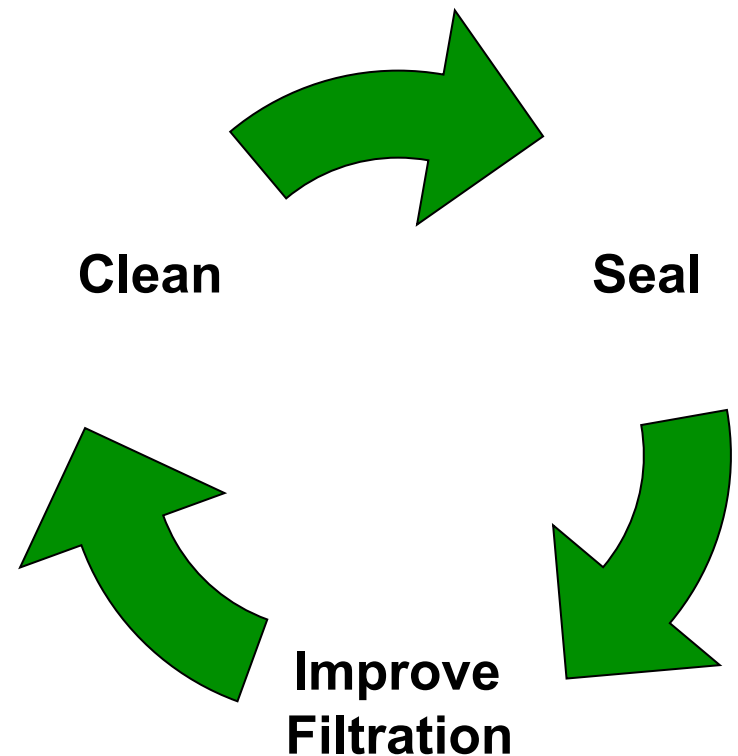


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- **Clean the Ductwork** for contaminant source removal – coil also needs to be cleaned in most cases
- **Seal the Ductwork** to help reduce or eliminate future contamination and to improve comfort and energy efficiency
- **Improve Filtration** to protect HVAC system and ductwork from further contamination and loss of energy efficiency
- After these three steps implement ongoing treatment of the system with products like UV lights and Anti-Microbial treatments



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### Neptune Air Conditioning Commitment :

Provide a comfortable, safe, healthy, clean and energy efficient place for your home or business



Call now to schedule a  
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