

# INDOOR AIR QUALITY

## IMPROVE YOUR INDOOR AIR QUALITY WITH GAULT

Health has taken on greater urgency than ever before – from current events to scientific advancements, we know that the health of your family can be greatly impacted by the health of your home.

It's well known that your heating and air conditioning systems need regular maintenance and are vital to your home running smoothly. However, homeowners and other energy companies often overlook Indoor Air Quality as an important factor to a healthy lifestyle.

### WHAT IS INDOOR AIR QUALITY?

Indoor Air Quality (IAQ) looks at the quality of the air within and around your home related to pollutants and their corresponding health concerns like viruses, headaches, asthma, allergies, heart disease and cancer. Some common indoor pollutants might be from pesticides, radon, excess moisture and building materials.

### HOW HEALTHY IS THE AIR YOU BREATHE?

Even a single exposure to a pollutant can affect your health. Improving your IAQ not only helps you combat health concerns like coronavirus, but it can also remove lingering smells inside your home, reduce allergy and respiratory related flare-ups, encourage better sleep and help lower your energy costs. We're all spending a lot more time indoors this year so let's make it as healthy as possible!

### WHICH IAQ APPROACH IS BEST FOR MY HOME?

Every home is different and one of our Comfort Specialists can help you build a plan from two common applications to improve your home's air quality.

**Prior to implementing, we recommend cleaning your ductwork to remove trapped particles and debris from the system, particularly if your home has floor registers.**

#### Combine UV lights, an electronic air cleaner and HEPA filters:

A customer favorite, this three-part approach is cost effective and removes over 99% of airborne particles. UV lights can be added inside the duct to kill germs and prevent mold when replaced regularly. An electronic air cleaner ionizes air particles and isolates impurities like dust, smoke and bacteria and it's certified by the Asthma & Allergy Foundation of America.

We also use the thickest HEPA filter possible for your HVAC system to trap the most air particles. We recommend cleaning the filter 3-4 times a year to continue moving air through your home efficiently.

#### Home Purification System:

A home purification system continuously sanitizes the air from viruses, bacteria and mold, and reduces odors as well as other irritating pollutants. Recently, the AtmosAir system received testing and confirmation from independent labs that it **reduced the presence of coronavirus by 99.92% within 30 minutes** of exposure through its bi-polar ionization.



## WHY SHOULD I INVEST IN A WHOLE HOME APPROACH TO IAQ VERSUS A STANDALONE AIR PURIFIER?

If your home has existing ductwork, implementing an IAQ system will be more effective over time than managing a series of standalone units. Our approach to IAQ was designed for easy maintenance while remaining cost effective. Over time, as the HEPA filters clean the air, the system itself will be also. Many standalone air purifiers reflect the trends in IAQ as opposed to the full scope of a home's air quality needs.

## HOW CAN GAULT HELP MANAGE MY INDOOR AIR QUALITY?

Since COVID-19 hit, we've been providing our Cooling Protection Plan customers with an upgrade to their system's HEPA air filters during our annual maintenance visit. These new filters are better quality with a higher MERV rating designed to help remove more particles from the air. MERV ratings classify air filters by the amount and size of particles that the filter blocks; the higher the rating, the tighter the weave to trap more particles. If regularly replaced, HEPA filters can remove up to 99.97% of dust, pollen, mold, bacteria and other airborne particles inside your home.



### Ventilation Systems

Fresh air is critical to IAQ, which is why our ventilation systems provide a constant movement of clean, fresh air into your home.

**BRANDS WE CARRY: Honeywell, Aprilaire ERV**



### Purification Systems

Air purification systems neutralize air particles to eliminate odor and fill your home with clear, purified air.

**BRANDS WE CARRY: AtmosAir**



### Humidifiers

Dry skin, scratchy throats, static shocks and loose furniture joints are symptoms of an indoor environment lacking necessary moisture. Homes with adequate moisture feel warmer and more comfortable than a dry home, even at lower temperature settings.

**BRANDS WE CARRY: Aprilaire Humidifiers**



### Electronic Cleaners

Electronic air cleaners ionize air particles, giving them an electrical charge. These charged particles are passed through plates holding an opposite charge, effectively attracting particles like a magnet and keeping impurities sequestered to the plates until they are washed off.

**BRANDS WE CARRY: Trane "Clean Effects"**



### Media Filters

Airborne contaminants enter and recycle through your heating and air conditioning system's ductwork, which is why media filters are an important part of a healthy home. The filters remove the air invaders through a series of pleats which expand into a replacement cartridge for a high collection, low resistance capture.

**BRANDS WE CARRY: Trion Air Bear Air Cleaner/Air Filters**



### UV Systems

Air passing through an HVAC Ultraviolet Light system is thoroughly disinfected of pathogens, which helps reduce airborne bacteria and viruses. The germicidal power of UV light also keeps mold from growing on the coil of the unit, preventing unwanted mold and mold spores from circulating into your home.

**BRANDS WE CARRY: Aprilaire UV Germicidal Lamp**