INDOOR AIR QUALITY PRODUCTS

Complete your comfort with cleaner, fresher indoor air

Indoor Air Quality Products

Carrier indoor air quality products take your comfort to heart with solutions that help clear the air of impurities, manage humidity levels, provide whole-home ventilation and more. It's next-level comfort you can really enjoy, well beyond the basics of simple temperature control. Offering a full complement of options, designed to work with your new or existing home comfort system, Carrier indoor air quality products are a smart and versatile solution for achieving a more comfortable indoor environment.

There's Something in the Air

When you look around your home, you probably don't see anything unusual. But according to the EPA, you may be surrounded by higher counts of many airborne pollutants than you would be exposed to outside.* These pollutants can affect your comfort and your well-being.

** https://www.epa.gov/indoor-air-quality-iaq/inside-story-guide-indoor-air-quality*

Model RMAM-ST

Carrier Air Monitor

Understanding what's in the air inside your home will help you determine solutions for creating a healthier indoor environment. The Carrier air monitor provides 24-hour monitoring, continuously scanning your air to monitor relative humidity, room temperature, Total Volatile Organic Compounds (TVOCs) and PM2.5. An LED indicator light provides an instant visual of your current air quality, or connect to the Carrier Home app to monitor your home's air quality from anywhere.

Make the Invisible Visible: Common Indoor Air Issues

Issue/Source	Symptom*	Our Solution
Particle Allergens Pets, dust mites, mold, pollen, animal dander	Known to trigger and worsen asthma and allergy symptoms	**Air Purifier**
Chemical Pollutants Cleaners, paints, adhesives, pesticides, cosmetics and air fresheners	Nausea and headaches. At high levels, can cause eye irritation	**Ventilator**
Carbon Dioxide Simple breathing. Burning candles, gas, wood and other combustibles	Drowsiness, poor concentration	**Ventilator**
Relative Humidity Too much or not enough moisture in the air	**Moist air** – mold and dust mites **Dry air** – nosebleeds, dry eyes and skin	**Dehumidifier, Humidifier**
Mold and Bacteria on the Cooling Coil Dampness	Coughing, respiratory issues	**UV Lamp**

** https://www.epa.gov/indoor-air-quality-iaq/care-your-air-guide-indoor-air-quality*

Give Us 30 Minutes, We'll Give You a Solution.

Your local Carrier dealer is equipped with knowledge, expertise, and an indoor air analyzer that provides a detailed air analysis in about 30 minutes. Armed with the results, your dealer can address specific air quality issues with products from our comprehensive line of air purifiers and filter cabinets, ventilators, humidifiers, dehumidifiers and UV lamps.

Infinity® Air Purifiers

CAPTURES & KILLS

Our Best Defense

Indoor air circulates through a home's return air ducts, into the heating/cooling system, then back into the home's living areas. It is full of tiny particles from both natural and manmade sources such as pollen, dander, mold, tobacco smoke, exhaust and select viruses and bacteria. The largest of these particles settle on interior surfaces and appear as dust. Smaller particles also settle, but become airborne again with the slightest disturbance. Our best defense – the Infinity air purifier and now the Infinity return air purifier – provides you two distinct choices for including this important technology in your home.

Model DGAPA

Model RGAP

VALIDATED — ZERO OZONE EMISSIONS – MEASURED OZONE EMISSIONS FROM INFINITY® RETURN AIR PURIFIER DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED ACCORDING TO CSA C22.2 NO. 187-20. UL.COM/ECV

VALIDATED — ZERO OZONE EMISSIONS – MEASURED OZONE EMISSIONS FROM INFINITY® RETURN AIR PURIFIER DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED ACCORDING TO CSA C22.2 NO. 187-20. UL.COM/ECV

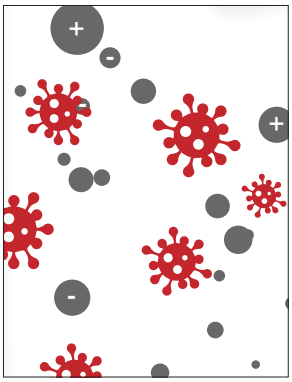
Why the Carrier Infinity Air Purifier Matters

As part of a strategy for slowing the spread of infectious disease in your home, the Infinity air purifier should be considered essential. Featuring our patented Captures & Kills® technology, the Infinity air purifier offers proven, third-party tested effectiveness with a 99% inactivation of select captured viruses and germs when used as instructed,[1] including:

- **Coronavirus**
- **Common cold surrogate**
- **Bacteria that causes strep throat**
- **Human influenza**

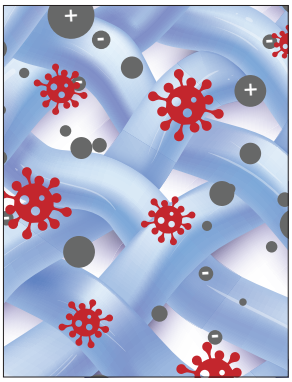
Here's How it Works

Our Infinity air purifier treats the air flowing through the MERV 15 filter using a three-step, charge/capture/kill process:



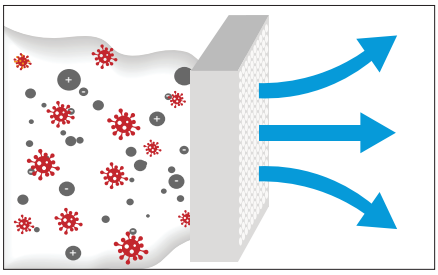
Charge

The purifier creates a "cloud" of electrically charged ions that attach themselves to airborne dust, pollen, viruses, germs and other particles as they pass through.



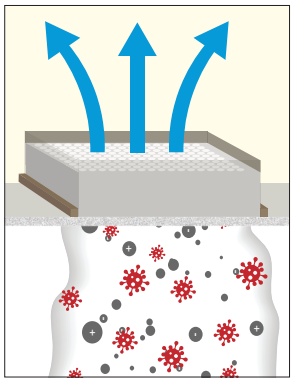
Capture

The ionized particles are pulled toward an oppositely charged, pleated MERV 15 rated filter and captured at an extremely high rate, similar to how a magnet attracts metal shavings.[7]



Infinity air purifier

Infinity return air purifier



Kill

Captured airborne microbes remain on the pleated filter instead of recirculating back into the home and are subjected to an intense electric field. There, 99% of select viruses and bacteria are inactivated.[1]

Independent Testing at the University of Colorado

Our confidence with the performance of our Infinity air purifier capturing and killing coronavirus from filtered air[1] is based upon third-party testing at a university environmental engineering laboratory that specializes in disinfection science.

- Tests were conducted with a murine coronavirus that is closely related to the human coronavirus SARS-CoV-2, which causes COVID-19
- The murine pathogen surrogate allowed testing to be completed safely**

Controlled environment tests showed that the Infinity air purifier inactivated 99% of coronavirus on its filter.

***https://aem.asm.org/content/aem/76/9/2712.full.pdf*

Air Quality

Carrier Air Purifiers

Our innovative Carrier air purifiers are available in two sizes and offer a simple, cost-effective way to improve the quality of your indoor air in almost any room in your home. The high-performance fan and high-efficiency filtration system extract airborne pollutants and deliver cleaner air in every direction, while easy-to-change filters make it a low-maintenance solution for busy households.

- Captures over 99% of airborne particles sized 0.3 microns.
- A Carrier air purifier can be the perfect fit for a variety of rooms in the home.
- Features Smart Auto mode to allow the air purifier to automatically adjust fan speeds based on the air quality level.
- Air quality monitor continuously samples incoming air, measures levels of pollution and indicates air quality with an easy to read LED screen.
- Available in both Wi-Fi® and non-Wi-Fi models to fit any lifestyle.

Models RMAP-ST, RMAP-SST

Models RMAP-XL RMAP-SXL

Carrier EZ Flex™ Cabinet and Filter

Today's homes are more energy efficient than ever – sealed tighter and better insulated to keep heated or cooled air on the inside. The unfortunate side effect is that these same homes also do a better job retaining dust, dirt, pollen and more, trapping them inside to circulate and recirculate throughout your living spaces. These particles settle on furnishings, pollute the indoor air and rob your comfort system of efficiency by restricting airflow and making it work a little harder. The Carrier EZ Flex cabinet and filter can help alleviate those issues, with the MERV 13 model effectively clearing the air of more than 90% of airborne particles as small as 1.0 micron in size.* The MERV 10 model removes 63% of airborne particles as small as 1.0 micron in size.**

Model EZXCAB

* Based on third-party testing (2013) showing 90% of particles size 1.0 to 3.0 captured and 98% of particles size 3.0 to 10 captured.
** Based on third-party testing (2015) showing 63% of particles size 1.0 to 3.0 captured and 91% of particles size 3.0 to 10 captured.

Germicidal Ultraviolet (UV) Lamps

Your heating and cooling system is the unsung hero of your home, constantly running in the background to keep you cozy and comfortable. As air passes through the cooling coil, mold spores, bacteria and fungi stick to its damp surfaces. Buildup of these contaminants can reduce system performance and lead to the release of harmful mold spores and unpleasant odors into your home.

To help alleviate these issues, the Carrier germicidal UV lamp is mounted near the cooling coil where fungus and microbes can grow. The intense UV light is designed to kill bacteria and mold growing on and around the indoor coil, enhancing system efficiency and improving the quality of your indoor air.

Model UVLCC(1, 2)LP

Model UVCAP

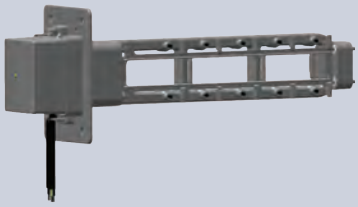
Carbon Air Purifier with UV

The Carbon Air Purifier with UV helps maintain a healthier home through air purification targeting the reduction of unwanted odors, volatile organic compounds, and common household gases from indoor air. It aids in the reduction of microorganism growth, such as mold, fungi, bacteria and viruses, on the evaporative coil,[3] and release into recirculated indoor air.[4] The dual technology in Carrier's Carbon Air Purifier with UV provides continuous treatment while your HVAC system is running so you can enjoy a healthier home.

Active Filter Booster

The Active Filter Booster amplifies your whole-home air circulation system by improving the filtration efficiency of a typical air filter with virtually no added pressure drop. The device actively enhances the performance of the filter by generating a charge that attaches to particles in the air stream, making them easier to filter out for improved indoor air quality.

Carrier's Active Filter Booster provides continuous treatment while your HVAC system is running so you can enjoy a healthier home.



Model IPDXX00A112T

Carrier Carbon Monoxide Alarm

Carbon monoxide is a colorless, odorless gas produced by incomplete combustion of fuels such as natural and LP gas, kerosene, coal, wood and charcoal. Exposure can cause fatigue, chest pains, impaired vision and coordination, headaches, dizziness, confusion and nausea.* That's why it's reassuring to know that you can protect your family with a Carrier carbon monoxide alarm.

The Carrier carbon monoxide alarm can put you at ease with its sophisticated electronics and sensor technology that detects and records the levels of CO circulating in your indoor air. When dangerous levels of CO are present, a loud, audible alarm alerts you and your family automatically. To maximize your protection – and your peace of mind – Carrier recommends placing a carbon monoxide alarm on each level of the house and in every bedroom. Then, follow up with weekly alarm checks and an annual, professional inspection.

** https://www.epa.gov/indoor-air-quality-iaq/carbon-monoxides-impact-indoor-air-quality*

Model COALM

A Continuous CO Monitoring
The easy-to-read, continuous digital display allows you to monitor the level of CO in your home with updated information every 15 seconds.

B Built-In Safety Check
The test/reset button checks the unit's electronic circuitry and horn so you can be assured the unit is functioning properly. It also resets the unit during an alarm.

C Convenient Peak Level Tracking
With the simple push of a button, the carbon monoxide alarm will display the highest recorded CO level since the alarm was last reset or unplugged.

D Installation Versatility
The AC plug adapter is removable and corded to provide the ultimate installation flexibility – it can be wall-mounted, placed on a table top, or simply plugged directly into an available outlet. You can pick the best location to maximize the effectiveness of the alarm.

E Uninterrupted Protection
The rechargeable lithium ion battery helps the carbon monoxide alarm provide uninterrupted protection, even during a power outage. (No need to replace batteries once a year.)

Fresh Air Ventilation

Carrier Whole-Home Ventilators

Carrier fresh air ventilation offers a controlled solution for bringing fresh outdoor air into your home. It's efficient because it ventilates without the energy loss you would experience through an open window or screen door. Whole-home ventilation is more important than ever with today's more tightly sealed, energy-efficient homes that tend to trap airborne pollutants to circulate throughout your home.

Comfort and Efficiency

Our energy and heat recovery ventilators can maintain your comfort with minimal heat loss.
Here's how:

- Fresh, outdoor air and stale, indoor air enter our high-efficiency heat recovery core
- Up to 70% of heat (or energy) from the indoor air is transferred to the clean, outdoor air for circulation throughout your home using a heat or energy recovery core
- Energy recovery ventilators (ERVs) also remove excess humidity to enhance comfort and save energy
- The outgoing and incoming air never mix, so you have a continuous flow of fresh air

Which One is Right for Me?

ERV: An ERV, or energy recovery ventilator, is the right choice in the Midwest and southern states, where removing humidity from incoming air is vital to efficient, comfortable performance.

HRV: An HRV, or heat recovery ventilator, is a great choice for comfort and efficiency in colder climates with longer heating seasons, such as Canada or the northern United States.

ERV/HRV
ERVXXSHA HRVXXSHA

ERV/HRV
ERVXXSVA HRVXXSVB
HRVXXSVA

ERV/HRV
ERVXXLHB HRVXXLHB

Model FAVCR

Fresh Air Vent: Our most affordable and compact whole-home ventilation solution, the Carrier fresh air vent provides a controlled solution for fresh, indoor air without the heat exchange or humidity transfer of an ERV or HRV.

Model ERVCRNVA

Add-On ERV: For installations with space limitations, the add-on ERV offers a more compact solution that fits while still providing the needed ventilation and efficient performance.

Humidity Management

Humidifiers

A Carrier humidifier can “moisturize” dry, heated, winter air, making your home feel more comfortable. That’s important because during the heating season, your home can feel drier than the desert. Properly humidified air can help relieve the discomfort of dry nasal passages, itchy skin and static shocks.

A comfortably humidified home can help save energy, too. Because you are less likely to turn up the heat, you could potentially save money on your heating costs. With five distinctly different models, there’s a Carrier humidifier that is just right for your home.

Model	STM	LBP	SBP	WBP	LFP
Unit Type	Steam	Large bypass	Small bypass	Water saver bypass	Large fan-powered
Capacity (gallons/day)	34*	17	12	17	18
Water Vapor Delivery	Dispersion tube in duct	Expanded aluminum evaporator pad	Expanded aluminum evaporator pad	Wicking paper evaporator pad	Expanded aluminum evaporator pad
Notes	Large homes, highest output	Large homes	Small homes	Efficient in water usage	Large homes

* Varies, based on voltage and amperage.

Carrier Whole-Home Dehumidifiers

As summer temperatures and humidity rise, your air conditioner or heat pump dehumidifies your home during the cooling process. To achieve desired humidity levels, the system often operates with greater frequency. By adding a Carrier whole-home dehumidifier, your system can more effectively pull excess moisture from the air circulating throughout your home. You’ll feel more comfortable without over cooling, meaning you can turn the thermostat up a few degrees to help save on energy costs.

Keeping humidity under wraps can also improve the quality of the air you breathe by helping to keep musty odors and some allergens under control. It can help prevent warping or structural damage to wood flooring or furnishings. And, setting your dehumidification levels is simple and convenient using the LCD control that can remain on the dehumidifier cabinet or installed at a more easily accessed location.

Model DEHXX

A built-in “clean filter” indicator tells you when it’s time to change the filter.

Choose Carrier and You're Covered

When you trust your comfort to Carrier, you're making the smart choice. It starts with professional product recommendations and installation from your local Carrier dealer. Then you can relax, knowing our products are built to endure, and are backed by robust warranty coverage.

Limited Warranty

To the original owner, the Infinity air purifier, ultraviolet germicidal lamp base, carbon air purifier with UV, humidifiers, carbon monoxide alarm, heat recovery ventilators and energy recovery ventilators are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is five years if not registered within 90 days of installation except in jurisdictions where warranty benefits cannot be conditioned upon registration.

To the original owner, the Carrier fresh air vent and dehumidifier are covered by a five-year limited warranty. The Active Filter Booster is covered by a three-year limited warranty. The Carrier ultraviolet germicidal lamp bulbs are covered by a 90-day parts limited warranty.

See warranty certificate at *carrier.com* or included in product literature for complete details and restrictions.

[1] The Infinity air purifier has demonstrated effectiveness against the murine coronavirus, based on third-party testing (2020) showing a >99% inactivation, which is a virus similar to the human novel coronavirus (SARS-CoV-2) that causes COVID-19. Therefore, the Infinity air purifier can be expected to be effective against SARS-CoV-2 when used in accordance with its directions for use. Third-party testing (2012, 2007) also shows ≥99% inactivation for the type of virus that causes common colds, Streptococcus pyogenes and human influenza. Airborne particles must flow through your HVAC system and be trapped by the MERV 15 Infinity filter to be inactivated at 99%. Learn how it works at *Carrier.com/purifier*.

[2] MERV is a filter efficiency standard ranging from 1 to 16 (higher MERV = higher efficiency). The Infinity air purifier achieves a MERV 15 rating based on third-party testing (2012) showing 95% of particles size 1.0 to 3.0 microns captured and 85% of particles size 0.3 to 1.0 microns captured.

[3] The efficacy of the Carbon Air Purifier with UV (UVCAPXXC2015) to rremove Aspergillus niger (97%), Penicillium citrinum (>99.99%), Escherichia coli (>99%), Staphylococcus epidermidis (>99.9%), Coronavirus 229E (95%) and MS-2 bacteriophage (>99.99%) from treated surfaces after 24 hours was demonstrated in an ASTM E3135-18 test conducted by a third-party laboratory under ambient temperature and humidity conditions.

[4] The efficacy of the Carbon Air Purifier with UV (UVCAPXXC2015) to remove a surrogate airborne pathogen, MS-2 bacteriophage, was demonstrated with a decay rate (k) of 0.162860 and Clean Air Deliver Rate (CADR) of 130.6 cfm in 60 minutes in a chamber test conducted by a third-party laboratory using a 1007 ft3 chamber with an airflow of 1,220 cfm, test temperature of 74-77°F and relative humidity of 45.1-46.6%.

Carrier HEALTHYHOMES

carrier.com 1-800-CARRIER

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