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

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

* 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 Purifier

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. The Infinity air purifier is installed on or near the furnace/air handler of your home comfort system to remove airborne particles that circulate throughout your home. Removing these particles keeps the equipment components clean, and more importantly, removes particles from the air you breathe. Because your indoor air is under constant attack, you need an effective defense – the kind you get with the Infinity air purifier.

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 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 your HVAC system’s air handler 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.2

** 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 air1 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

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 Infinity filter to be inactivated at 99%.

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.
Clearing the Air

OptiClean™ Air Scrubber
The OptiClean air scrubber rolls easily into any room and plugs into a standard electrical outlet to quickly help improve indoor air quality in your home. It uses a 99.97% efficient, long-life HEPA filter to remove particles as small as 0.3 microns.

How It Works

1. The unit pulls air in from the surrounding area.
2. The air passes through a series of filters to remove many contaminants.
3. The cleaner, fresher filtered air is then recirculated back into the room.

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.**

Efficiency
Carrier EZ Flex filters are available in MERV 13 or MERV 10 efficiencies. Air filtration systems are measured with the Minimum Efficiency Reporting Value (MERV) using a scale from 1 – 16, the higher the number the better.

* 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.
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.

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

* 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 mold 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.

* https://www.epa.gov/mold/brief-guide-mold-moisture-and-your-home

A built-in “clean filter” indicator tells you when it’s time to change the filter.
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 the sensible recovery energy model SVU
- 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?

**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.

Models
- HRVCRSHB, HRVCRSVB, HRVCRSHB, HRVCRSVU

**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.

Models
- ERVCRSHB, ERVCRSVB, ERVCRSLHB

**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.

**Model ERVCRNVA**

**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 FAVCR
Air Quality

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.

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. You can monitor the current CO level in your home on a large, easy-to-read digital display. 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.


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.)
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, 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 Carrier ultraviolet germicidal lamp bulbs are covered by a 90-day parts limited warranty.

To the original owner, the OptiClean™ air scrubber is covered by a one-year limited warranty.

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