



Air Conditioning & Heating

GOODMAN INDOOR AIR QUALITY PRODUCTS

AIR FILTRATION • VENTILATION • PURIFICATION • HUMIDIFICATION

QUALITY MANUFACTURED
INDOOR AIR QUALITY PRODUCTS
THAT CAN IMPROVE HOME
COMFORT WHILE ENHANCING
HVAC SYSTEM PERFORMANCE.



Thank goodness for Goodman.™



HOW CLEAN IS THE AIR IN YOUR HOME?



As a leader in the HVAC industry, Goodman® takes air quality very seriously. According to the Environmental Protection Agency (EPA), American homeowners spend about 90% of time indoors, with more than 50% of that time spent in the home.

Think about it: pollen, fungi, bacteria, viruses, dust and mites are all uninvited but quite frequent guests at most homes. And they're not the only troublemakers. Many airborne contaminants come from our everyday conveniences and commonly used products. Tobacco, pet dander and smoke from cooking affect the indoor air quality. So do toxins emitted from air fresheners, carpets, glues, household cleaners, paints, varnishes, pressboard furniture ... the list goes on and on. All of these elements can adversely affect indoor air quality.



There are four primary considerations to make that will help you to enhance the air quality inside your home.

- AIR FILTRATION
- VENTILATION
- ULTRA VIOLET AIR PURIFICATION
- HUMIDIFICATION

Each option provides specific benefits and the Goodman® brand offers a wide selection of exceptionally engineered products. Consult with your installing contractor to determine which components or combination of components will best suit your indoor air quality needs.

AIR FILTRATION

High-efficiency Goodman brand media air cleaners, electronic air cleaners, and HEPA filters can improve your HVAC system's ability to filter allergens and other particles from your home's indoor air. Here is a partial list of particles that enhanced air filtration can capture and remove.:

- Dust and Dust Mites
- Bacteria and Viruses
- Pet Dander
- Pollen
- Tobacco Smoke
- Cooking Grease and Smoke



HIGH-EFFICIENCY ELECTRONIC AIR FILTERS

With a 4-stage air cleaning process, pre-filters, charging section, grounding plates and carbon filters, Goodman brand electronic air cleaners can efficiently remove atmospheric and household dust, coal dust, insecticides, dust mites, pollen, mold spores, fungi, bacteria, cooking smoke and grease, pet dander, tobacco smoke particles and other indoor air particles as small as 0.01 micron in size.

Goodman brand GSAS High-Efficiency Electronic Air Cleaner

- Two pre-filters prevent lint and large particles from entering the collecting cells
- Activated carbon filters help remove unpleasant indoor odors
- Performance indicator light ensures proper air cleaner operation
- Air-proving switch automatically cycles air cleaner off/on as needed
- Easy-to-clean washable permanent collecting cell filters
- Quiet operation
- Delivers up to 2000 CFM (Cubic feet per minute) performance



HIGH-EFFICIENCY MEDIA AIR CLEANERS

Goodman brand charged-media air cleaners can capture and remove particles as small as 0.3 microns in size. The actual filter lasts longer than a typical 1-inch filter and maintains its efficiency over the useful life of the filter.

Goodman brand GMU High-Efficiency Media Air Cleaner

- High-efficiency MERV 11 filter rating helps remove household particles down to 0.3 microns in size
- Rated 1200 – 2000 CFM (Cubic feet per minute, a standard of airflow measurement)
- Easy-to-change filters
- A lower cost option to significantly improve the indoor air quality of your home compared to electronic media air cleaners.



Goodman brand G13MU High-Efficiency Media Air Cleaner

- High-efficiency MERV 13 filter rating helps remove household particles down to 0.3 microns in size

- User-friendly, easy-to-change filter cartridge
- Filter lasts up to one year
- Reversible airflow
- Heavy-gauge galvanized-steel cabinet resists corrosion

Goodman brand GRAM2000 Right-Angle Media Air Cleaner

- High-efficiency MERV 11 filter rating helps remove household particles down to 0.3 microns in size
- Rated up to 2000 CFM
- Designed for vertical installations
- Easy-to-change filters

Goodman brand GGM Return Grille-mount Electronic Air Cleaner

- Collecting cells are constructed of heavy-gauge aluminum for durability and easy maintenance
- Two pre-filters are constructed of aluminum mesh to prevent lint and large particles from entering the collecting cells
- Easy-to-clean plastic intake grille
- Performance indicator light ensures at a glance that the air cleaner is operating properly

Goodman brand G1EAC Electronic Air Cleaner

- MERV 10 efficiency rating
- Fully electronic, high-efficiency carbon-graphic-center screen filter helps remove particles as small as 0.01 micron in size
- Does not create ozone during use
- Designed to operate with constant power on or with the system's fan blower to help support reliable, long-term performance
- Works with all central HVAC residential heating and cooling systems
- Easy-to-clean corrosion-resistant construction



WHOLE-HOUSE HEPA FILTRATION

To qualify as a true HEPA (High Efficiency Particulate Air) filter, the unit must have a documented filtration efficiency of 99.97% against 0.3 micron-sized particles. HEPA air filters connect to the return-air duct and divert up to 50% of that air through a tightly sealed filtration system. Depending on the size and design of your home, Goodman brand HEPA filters can help you achieve up to several whole-house air changes a day.

Goodman brand GHEPA Whole-House

- Activated carbon pre-filter helps removes lint helping to extend the life of the HEPA filter



HOW IMPORTANT IS INDOOR AIR QUALITY TO YOU?



- Carbon VOC (Volatile Organic Compound) filter (included with Model GHEPA550) helps remove odors and off-gasses
- Removes atmospheric and household particles
- Easy-to-change filters
- Can be mounted on ceiling, wall, floor or free-standing installation

Goodman brand DMH900 Whole-House HEPA Air Cleaner

- Pre-filter rated at MERV 11
- Long-life, HEPA media filter removes particles as small as 0.3 micron in size
- UVC light and CinQuartz® Photo-Catalytic Oxidation (PCO) filter decompose organic materials into basic molecules such as H₂O and CO₂
- Carbon/Potassium Permanganate final filter removes some organic compounds and light gasses



- UVC germicidal lights are enclosed in an anodized ultra violet light reflector to intensify and focus UV light
- One-piece, easy-to-clean cabinet

VENTILATION

Goodman brand products offer high-quality Heat Recovery Ventilators (HRVs) and Energy Recovery Ventilators (ERVs), which are designed to bring in the fresh air and expel the stale indoor air. Plus, Goodman brand products have a full line of controls and accessories for both the ERV and HRV series.

ERV OR HRV?

The outdoor climate in which your home is located will determine which type of ventilator you need. HRV's are generally recommended for colder climates with longer heating seasons, ERV's are typically for warmer, more humid climates with long cooling seasons.

Goodman Brand ERV/HRV Series Energy-Recovery Ventilator

- Washable, electrostatic, panel-type air filters
- Factory-balanced EBM™ external rotor motors with backward-curved blades
- Energy-efficient, aluminum heat recovery ventilator and enthalpy energy recovery ventilator core are configured for efficient cross-flow ventilation
- External, three-position rocker switch offers continuous ventilation

- Optional remote controls provide easy operation
- Activated carbon pre-filter helps removes lint helping to extend the life of the HEPA filter

UV AIR PURIFICATION

UV Air Purifiers employ ultra violet light to reduce airborne bacteria that can be found in indoor air. Two major factors determine the effectiveness of UV air purifiers: the intensity of the UV source and the length of time that the bacteria are exposed to the light source. The longer the bacteria are exposed to the ultra violet light and the more intense the light rays, the more effective the unit is in reducing airborne bacteria.

Goodman brand UV Air Purifier

- Patented, high-efficiency aluminum Turbulator slows the air to be mixed around the UV lamp
- Larger, high-intensity UVC/UVV quartz dual-zone lamp creates more purifying surface area
- In-duct installation for whole-house purification
- Pressure sensor automatically turns unit off and on
- High-intensity, quartz germicidal UVC lamp and UVC/UVV germicidal oxidizing lamp
- Reduces chemical and biological orders and volatile organic compounds

Goodman brand UV Object Purifier

- Basks the evaporator coil surface with germicidal light energy which helps in reducing microbial growth on the coil
- High-intensity quartz germicidal UVC lamp
- Ultra-bright LED 'Smart Lamp System' visual display
- Patent-pending, aluminum parabolic reflector directs and intensifies all UV light energy to a targeted area
- Parabolic reflector is designed to protect the evaporator drain pan from UV light degradation
- Reduces growth of bacteria, mold, and viruses

HUMIDIFICATION

Avoid static electricity shocks and enjoy comfortable indoor humidity levels with a Goodman brand fan powered or by-pass whole-house humidifier.



Goodman brand By-Pass Humidifiers

- Improved wicking and water distribution system accommodates non-level plenum installations
- Output capacity up to 18 gallons of humidification per day
- Summer season shut-off damper
- Low profile design allows easy installation where space is limited
- Durable thermoplastic cabinet resists rust, corrosion, warping and is UV light resistant

Goodman brand Fan-Powered Humidifiers

- Improved wicking and water distribution system accommodates non-level plenum installations
- Output capacity up to 19 gallons of humidification per day
- Summer season shut-off damper
- Low profile design allows for easy installation where space is limited
- Quiet, multi-blade fan



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QUALITY MANUFACTURING BACKED BY EXCEPTIONAL WARRANTIES*...THINK GOODMAN BRAND

Indoor Air Quality products. Whether your home needs enhanced air filtration, ventilation, UV air purification or humidification the Goodman brand has the products and technology to help you. For best results, consider a complete system which incorporates all of these air-cleaning methodologies for maximum indoor air quality results. For complete information on Goodman brand indoor air quality products and warranty coverage visit www.goodmanmfg.com.

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* Full warranty details available at www.goodmanmfg.com.

GOODMAN: THE RECOGNIZED INDUSTRY LEADER

Every Goodman brand heating and air conditioning system is designed, engineered, and manufactured with pride. All employees follow strict, quality-driven processes to ensure that all Goodman products offer the legendary performance that has made the brand a recognized leader in the industry. This attention to quality has resulted in the Goodman family of companies becoming the second largest unit manufacturer of residential air conditioning and heating systems in North America.



The legacy began when Harold Goodman, a former air conditioning contractor, felt that he could build a better product. His goal was, and our goal remains, to manufacture air conditioning and heating equipment that performs more reliably, lasts longer than the competing products and eliminates time-consuming installation problems.

And, of course, he endeavored to make air conditioning and heating products as affordable as possible. Harold accomplished his goal and today the Goodman family of companies manufactures heating, air conditioning and ventilating equipment in modern facilities.



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Our continuing commitment to quality products may mean a change in specifications without notice.

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