

Comfort, Energy  
& Health Solutions

Indoor  
Air Quality  Your  
Home  
Expert

[www.honeywell.com/yourhome/](http://www.honeywell.com/yourhome/)



Newly remodeled kitchen.



More comfortable furniture.



Attractive window treatments.

What about the **air**  
you and your  
family breathe?



Honeywell offers a complete  
system for improving  
your air.



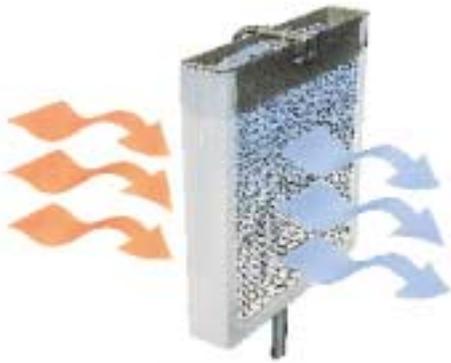
# WHOLE-HOUSE HUMIDIFIERS

Moisturize air to provide humidity for your home



## Replenish the moisture.

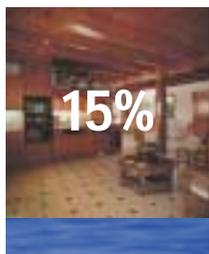
Fortunately, replenishing the moisture in your home's air is easy. Whole-house humidifiers add needed moisture—safely, efficiently and automatically. A humidifier helps protect your home's wood furnishings and contents, too.



### PerfectFlo Water Distribution System—how it works

Thanks to this efficient water-usage scheme Honeywell humidifiers can use up to 40% less water than most other brands, saving you money. Water flows through the humidifier nozzle into Honeywell's patented PerfectFlo™ water distribution tray, where eight channels direct the water to flow evenly across the humidifier pad. As thirsty, dry air is forced through the wet pad some of the water evaporates and is distributed throughout your home as a vapor. Unevaporated water flushes dissolved minerals down the drain tube.

Wintertime relative humidity inside the average home



Average humidity in the Sahara Desert



### Popular, easy

Honeywell offers a range of humidifier models to meet your home's particular needs.



#### Bypass Flow-through Humidifiers (HE220, HE260)

*The most popular type*



#### Powered Flow-through Humidifier (HE360)

*More easily installed in tight spaces*



#### Steam Humidifiers (HE420, HE460)

*The best choice when maximum humidity is needed*



#### Drum Humidifier (HE120)

*For homes in areas where water costs are relatively high*

### Comfort Control Options

Honeywell offers several controls for your humidifier.

#### Perfect Climate Comfort Center™ (PC8900)

All of your personal comfort—indoor temperature, humidity, fan operation and ventilation—can be controlled by this easy to use device. It can even display the outdoor temperature (with optional sensor).



#### Smart Automatic Humidity Control (H1008)

The patented HumidiCalc™ by Honeywell offers convenient humidity control. Set it, and forget it. The humidistat will automatically measure and control your indoor humidity to ensure maximum comfort and protection of your valuable woodwork, and windows, without sacrificing performance.



#### Convertible Humidity (H8908)

Manually control your comfort setting. Mounts on wall or ductwork.



**Your contractor can help select the humidifier and control that's right for you.**

# ULTRAVIOLET AIR TREATMENT SYSTEMS

**Zap** airborne germs and prevent mold spore growth on air conditioning coils

## Bacteria and mold spores. They're nasty.

So you wash, wipe and clean. But they can still blow through the air in your home every time your heating and cooling system's fan runs. That's not all. Your air conditioner's moist cooling coils can serve as an ideal breeding ground for mold, a known allergen. But there's help: an Ultraviolet Air Treatment System.

UV technology used for decades in water treatment—now available for home use

### Kill most germs before they re-circulate

*Return-air duct models.* Mounted in the ductwork of your heating and cooling system, the Ultraviolet Air Treatment System continuously emits ultraviolet (UV) energy that kills a high percentage of airborne bacteria passing by the light.

### Prevent mold spores from growing on your system's cooling coils

*Coil irradiation model.* Mounted above your central air conditioner's cooling coil, the Ultraviolet light continuously bathes cooling system components with mold-stopping UV energy.

### Specially designed for maximum performance and safety

UV Air Treatment products by Honeywell feature a special safety design that won't let the bulb light unless properly mounted to the duct, and a special light pipe to safely view the bulb operation.



Coil

Dual Lamp Return Air

Single Lamp Return Air

Lab test shows\*



For Mold Removal



For Airborne Bacteria Removal

The coil irradiation model kills up to **99.9%** of mold<sup>1</sup> that could otherwise thrive on your system's cooling coils.

The premium dual-lamp model kills up to **87%** of certain airborne bacteria<sup>2</sup> passing by the system.

The single-lamp model kills up to **70%** of certain airborne bacteria<sup>3</sup> passing by the system.

\* Test by independent lab was conducted on one sample. Bacteria were injected into a test duct and surviving bacteria were counted.

<sup>1</sup> Test performed in a test duct showed a 3-log (99.9%) reduction in colony-forming aspergillus niger mold spores when surface was irradiated at a distance of 18" for 3 hours in still air, using new bulbs.

<sup>2</sup> Test performed showed an 87% single pass kill rate of serratia marcescens bacteria in a clean metal 12" x 25" duct at an airflow rate of 2000 cfm using new bulbs.

<sup>3</sup> Test performed showed a 70% single pass kill rate of serratia marcescens bacteria in a clean metal 12" x 25" duct at an airflow rate of 2000 cfm using new bulbs.

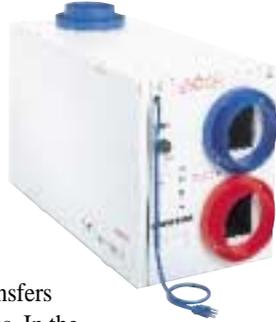
# PERFECTWINDOW® AIR EXCHANGERS

Ventilate your home to assure fresh air while minimizing heat loss



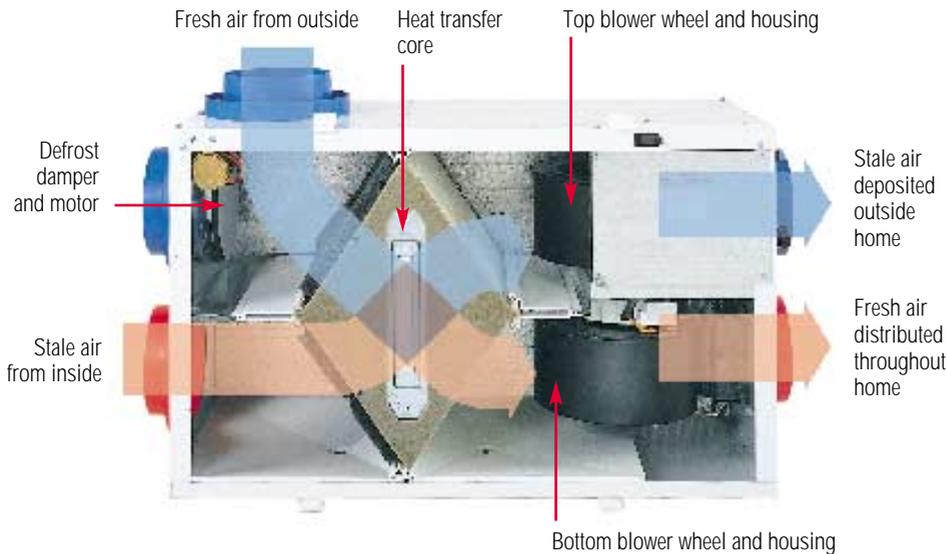
## Out with the old. In with the fresh.

For health and comfort, your home should have new, fresh air every three hours. In drafty old homes this occurs naturally, as stale air seeps out and fresh outside air is drawn in. But if your home is tightly weatherized, it can take as long as 10 hours to bring in new air. You drink fresh water. Why not breathe fresh air?



### How it works—inside and out.

The heart of the Perfect Window is a heat transfer core that transfers heating or cooling energy from outgoing to incoming airstreams. In the ERV, both heat and moisture are transferred. Inside your home, a Perfect Window ventilation system can be added to your heating and cooling system.



*Illustration shows heat transfer from outgoing to incoming air. Heat transfers between incoming fresh air and outgoing stale air as the two air streams pass by opposite sides of multiple layers of a special membrane. In the ERV, both heat and moisture are transferred.*

Choose from two types of ventilation systems depending upon the climate and your individual home needs.

Both systems:

- Provide whisper-quiet ventilation with minimal maintenance
- Allow you to manually or automatically adjust your fresh air flow
- Use patented technologies that retain energy used to heat or cool your home

Choose which is best for you...

#### HR200B HR150B

- For cooler climate
- Transfer heat
- Helps reduce window condensation and excess moisture.
- Uses about the same amount of energy as a 100-watt light bulb.
- Five speeds for specific demands including frost control.

#### ER200B ER150B

- For warmer climate
- Transfer heat & moisture
- Helps reduce amount of humidity brought into home in summer; helps retain humidity in winter.
- Uses about the same amount of energy as a 100-watt light bulb.
- Five speeds for specific demands including frost control.

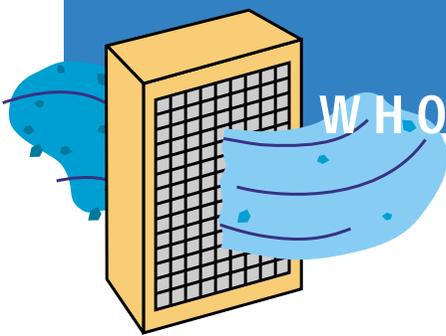
Unlike an open window, a Perfect Window retains most of the energy used to heat or cool your home—saving you money on utility bills. Plus, having the windows closed keeps your family more secure.



Electronic Ventilation Fan Timer



Dehumidistat



# WHOLE-HOUSE AIR CLEANERS

Trap a high percentage of airborne particles of the air passing through it

## What's in my home's air?



Remember the last time you saw sun beaming through a window? The visible particles that dance in a sunbeam, amount to about 1 percent of all particles in the air. That leaves 99 percent too small to be seen with an unaided eye. The effects of these invisible pollutants may be seen when it is too late—in soiling film that slowly coats walls, furnishings and draperies and in human discomfort.

### What size are they? (in microns)<sup>†</sup>

Human hair	3–200
Pollens	10–100
Pet dander	0.2–100
Plant spores	10–70
Fungi	0.5–5
Bacteria	0.3–3
Tobacco smoke	0.003–0.04

**#1**  
preferred  
electronic air  
cleaner for  
over 40 years

### The Power of High Efficiency

#### F50, F52 Electronic Air Cleaners

- Removes a significant percent of mold spores, bacteria, cat dander, ragweed pollen and more from the air passing through it.
- Simply wash your metal filter cell every 6 to 12 months. This reusable feature saves you money and is good for the environment.
- Backed by a 10-year clean coil guarantee. Simply put, we guarantee your coils will stay clean, or we will pay to have them serviced.
- Keeping air conditioning coils cleaner could save 10 to 15% in operating costs over the lifetime of your system.
- Highest efficiency, lowest pressure drop and saves \$600–1,000 in replacement filter costs over 10 years.



F50



F52



### Did you know?

A standard 1 inch furnace filter:

1. **Removes only some of the larger contaminants** that would otherwise enter your furnace. But, it removes only a small percent of dust, pollens, pet dander, plant spores, fungi, bacteria, tobacco smoke and other small particles that can cause harm.
2. **Restricts greater airflow in your heating system**, causing it to operate less efficiently and reducing the operating life of your equipment.
3. **Requires frequent replacement** every one to three months.

### Professional Grade Media Air Cleaners

#### F100 Media Air Cleaners

- Reduces antigens and allergens re-circulated through the air.
- Easy to replace media cartridge.
- Upgradeable to electronic air cleaner.
- Higher efficiency, lower pressure drop.



F100



### Honeywell's exclusive AIRWATCH™ Performance Indicator just made your life a little easier.

The AIRWATCH Indicator reminds you when to change your ultraviolet lights, humidifier pad and air filter.



\*Efficiency is determined by the air passing through the air cleaner. Independent lab fractional efficiency testing.

<sup>†</sup>Stanford Research Institute. This chart is intended to provide information on particle size only, not air cleaner performance.

Enhance the air that touches your family in every room of your home



Ask your Honeywell contractor for more information or go to [www.honeywell.com/yourhome/](http://www.honeywell.com/yourhome/)

## Honeywell

Choose better indoor air for your family by installing Honeywell solutions. You'll enhance your comfort and peace of mind.



### Ultraviolet Air Treatment Systems

**Zap** airborne germs and prevent mold spore growth on air conditioning coils



### Whole-House Air Cleaners

**Trap** a high percentage of airborne particles of the air passing through it



### Whole-House Humidifiers

**Moisturize** dry air to optimize humidity for your home and health



### Zoning Systems

**Control** temperature by area in your home, saving energy and improving comfort



### PerfectWindow® Air Exchangers

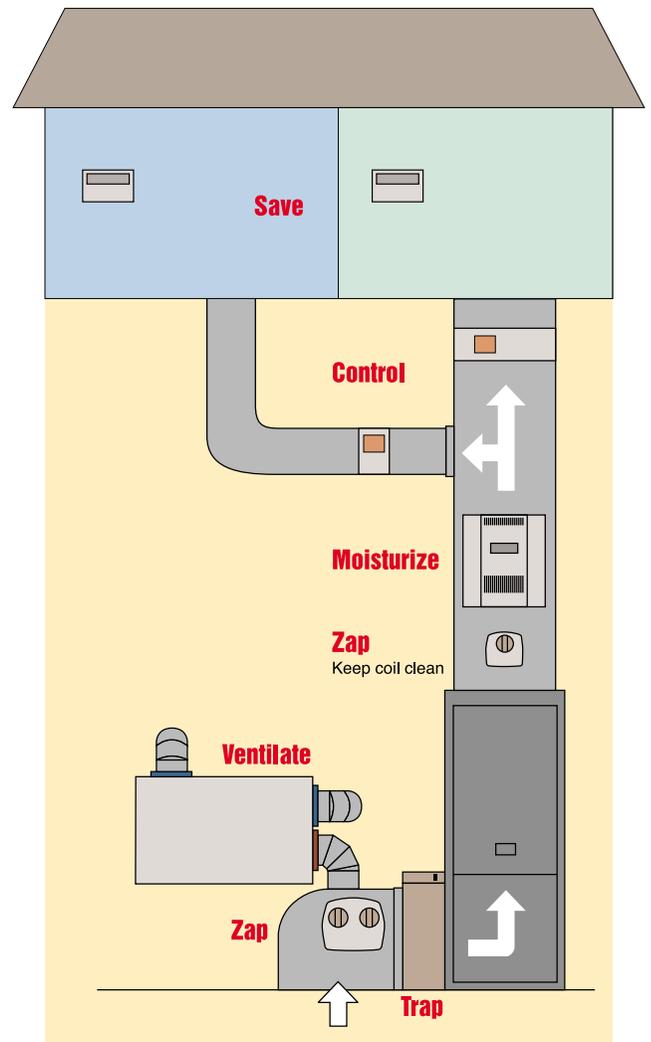
**Ventilate** your home to assure fresh air while minimizing energy loss



### Programmable Thermostats

**Save** up to 30% in annual energy costs with this easy-to-use thermostat\*

\*depending on geography and usage



**Honeywell**

### Home and Building Control

In the US: Honeywell, 1985 Douglas Drive North, Golden Valley, MN 55422-3992

In Canada: Honeywell Limited, 35 Dynamic Drive, Toronto, Ontario M1V 4Z9

