

Honeywell

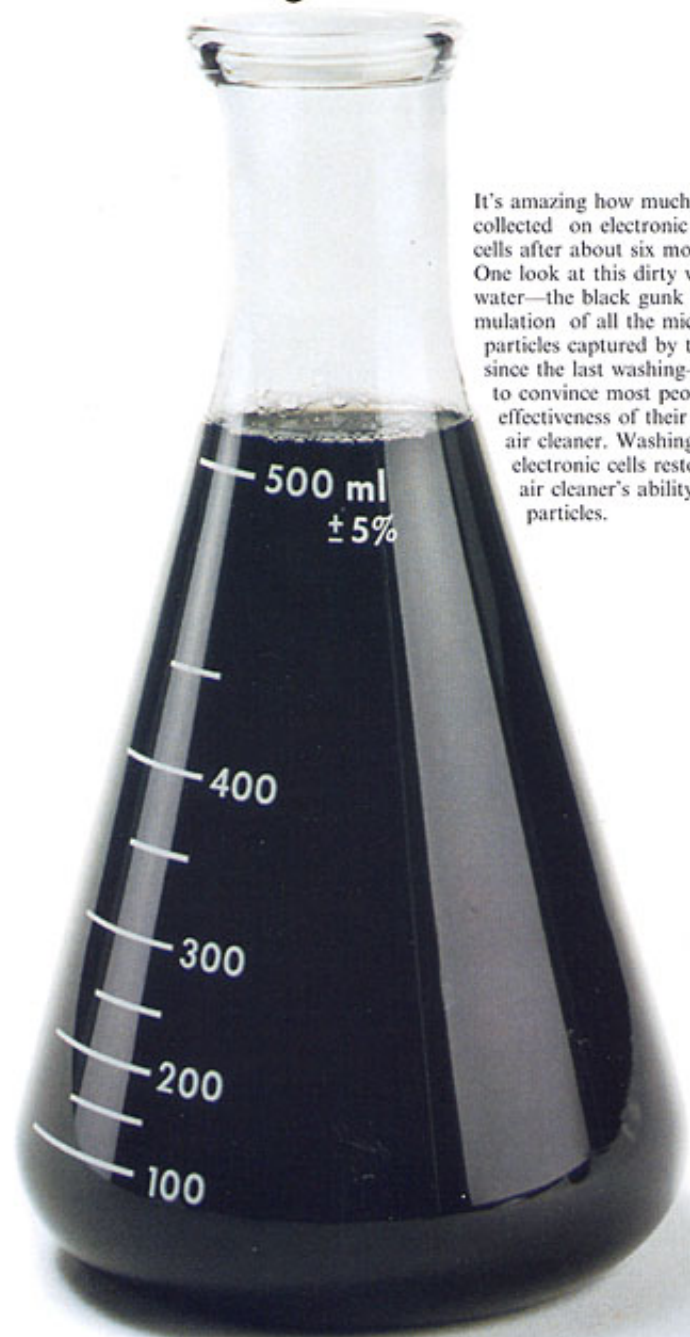
Electronic Air
Cleaners



PERFECT
CLIMATE

...providing comfort throughout your life

You wouldn't drink this stuff, so why breathe it?



It's amazing how much grime is collected on electronic air cleaner cells after about six months use. One look at this dirty wash water—the black gunk is an accumulation of all the microscopic particles captured by the unit since the last washing—is enough to convince most people of the effectiveness of their electronic air cleaner. Washing the electronic cells restores the air cleaner's ability to capture particles.

If you could see the air you breathe under a microscope, you might be in for quite a surprise. There's a whole lot more in the air than you may think.

In fact, floating in indoor air could be a "soup" of particles too small to be seen by the naked eye. But large enough to cause problems.

Some of these particles can stain walls, furniture, carpets and drapes. And some coat the inner workings of your heating and cooling equipment, diminishing its efficiency.

Fortunately, there are three simple strategies that can reduce indoor air pollution—source control, ventilation, and air filtration.

SOURCE CONTROL reduces the level of indoor air pollution at the source. Good examples of source control are encouraging smokers to step outside to indulge their habit or keeping windows closed during prime ragweed season.

VENTILATION replaces a portion of stale indoor air with fresher outdoor air. Opening windows when you burn toast, for instance, is a good example of ventilation.

FILTRATION reduces the level of particles in the air. Install a whole-house air cleaner, and whenever the blower motor runs, dirty air will be filtered as it passes through the heating and cooling system.

So, what's an effective way to filter out particles in the air you breathe? The Honeywell Electronic Air Cleaner. A device that captures over 94% of the particles (0.5 microns or larger) from the air that passes through it.

The hidden reason to upgrade now

"Out of sight, out of mind," the old adage goes. And it's true.

Hidden away in your air handler sits a one-inch wide disposable filter. It's been standard equipment for decades. And few of us change them often enough.



F50, F52, F58 E

MEDIA AIR CLEANER

STATIC CHARGED FILTER
LOW VOLTAGE ELECTRONIC AIR FILTER
DISPOSABLE FILTER

0%

10%

20%

30%

Unfortunately, even a new, clean disposable filter does almost nothing to remove particles. Fact is, a typical disposable filter captures *less than 3%* of particles (0.5 microns in size) in the air that passes through it.

So, why is it there? Disposable filters capture particles that could *damage the equipment*, causing warranty repairs.

Sure, it's important to protect your equipment. But you have more important things to protect. Which is why it's time to toss that inefficient disposable filter and replace it with a high performance Honeywell, Electronic Air Cleaner.



Capture airborne staining particles

Heavy dust particles settle out of the air relatively quickly and are easily wiped away when dusting. Unfortunately this visible dust makes up only 0.01% of all the particles in the air.

The vast majority of particles are microscopic. These unseen particles "ride" gentle air currents inside your home and remain airborne a long time. Eventually, these particles settle on walls, draperies, carpets, furniture and other surfaces. Over time, a coating of particles makes these items look dull and dingy.

The Honeywell Electronic Air Cleaner helps capture staining particles *before* they can stick to surfaces. Air cleaner owners may find they can extend the interval between routine cleaning, and ultimately spend less on redecorating and cleaning services.

Keep equipment running efficiently

Over time, the inner workings of your heating and cooling equipment—heat exchanger, cooling coils and fan blades—can become coated with an efficiency-robbing film.

The Honeywell Electronic Air Cleaner, which mounts in ductwork *upstream* from your equipment, helps capture particles before they can accumulate on these critical parts. That

could save you money. One analysis showed that keeping air conditioning coils cleaner could save 10 to 15% in operating costs over the lifetime of a system.

All Honeywell Electronic Air Cleaners come with a *ten-year Clean Coil Guarantee*—your assurance that system energy savings and optimum comfort will be maintained. Ask your contractor for details.

The air cleaner itself is highly efficient. It uses less electricity than a 40-watt light bulb, and that is only when the blower motor runs. Naturally, should you choose to run your blower continuously—as you might during the peak pollen season—total operating costs would include the added cost of the electricity to run the blower.

Easy to clean, nothing to replace

A Honeywell Electronic Air Cleaner captures over 94% of the airborne particles (0.5 microns or larger) from the air passing through it. So, where do these dirty particles go? Down the drain when you wash the reusable electronic air cleaner cells.

The durable, lightweight electronic cells (only 9.5 pounds) can easily be washed in your automatic dishwasher (check dishwasher manufacturer recommendations) or soaked clean in any laundry tub or container. Washing the cells and prefilter renews your electronic air cleaner's efficiency.



Honeywell recommends you clean the electronic cells and prefilter, at a minimum, at the start of each heating and cooling season.

Breathe deeply, your air cleaner is at work

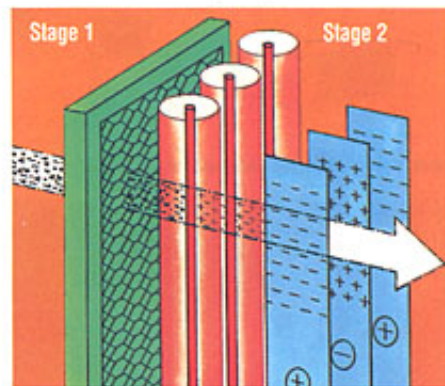
Now that you've learned about particles lurking in the air you breathe, do something about them. Get a Honeywell Electronic Air Cleaner.

It's our most efficient whole house air cleaner. It captures many particles that can stain furnishings, and reduce the efficiency of your heating and cooling system. What's more, because you can wash and reuse the electronic cells, you'll never need to buy another disposable filter again.

Does it work? It must. Why else would 90% of respondents in a Honeywell survey report they either had recommended, or would recommend, an electronic air cleaner to people they know.*

Your heating and cooling contractor can help you select the Honeywell Electronic Air Cleaner model that is right for you.

Two-stage electrostatic precipitation electrically charges dirty air particles to create the most effective method for capturing airborne contaminants. See description for details.



Stage 1: Charging Section

- Most large particles are caught in the prefilter screen.
- Smaller particles flow through the screen to the first section of the air cleaner cell, where they are electrically charged.

Stage 2: Collector Section

- Charged particles advance through the cell to the collecting section.
- The charged particles are attracted like magnets to a series of oppositely-charged collector plates. They are captured here until washed away.
- Electronically cleaned air is circulated back into your home.

* According to a 1990 Honeywell sponsored survey of 1,400 people who bought a Honeywell Electronic Air Cleaner.



A Honeywell Perfect Climate® system offers you a comfortable and energy efficient indoor environment.

DOWNFLOW
TOP
RETURN



UPFLOW
BOTTOM
RETURN



UPFLOW
SIDE
RETURN



HORIZONTAL FURNACE

DUCT-MOUNTED F50/F58 SERIES

Our F50/F58 series of Honeywell Electronic Air Cleaners mount easily in the ductwork near your equipment. The F58 new construction series is designed for easy installation during the building of a home. It has a one year warranty. F50F models have a 5-year warranty.

Model	Fits Opening (inch.)	Maximum Rated Air Flow	Electrical Rating
F50F1040	20 x 12-1/2	1000 CFM	120V/60Hz
F50F1081	20 x 25	2000 CFM	120V/60Hz
F50F1099	16 x 25	1400 CFM	120V/60Hz
F50F1107	20 x 20	1400 CFM	120V/60Hz
F50F1149	16 x 20	1200 CFM	120V/60Hz
F58F1018	16 x 25	1400 CFM	120V/60Hz

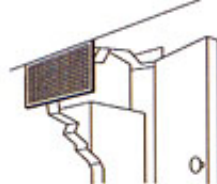
WALL MOUNT



CEILING MOUNT



CLOSET MOUNT



RETURN GRILLE F52 SERIES

Our F52 series of Honeywell Electronic Air Cleaners are designed to fit the dimensions of your central air return grille opening.

Model	Fits Opening (inch.)	Maximum Rated Air Flow	Electrical Rating
F52F1048	20 x 12-1/2	1000 CFM	120V/60Hz
F52F1025	20 x 25	2000 CFM	120V/60Hz



FOR MORE INFORMATION A Honeywell Electronic Air Cleaner is part of a complete Perfect Climate® System for your home. To learn more, contact your Honeywell dealer, log onto the Internet or send for our Home Comfort Guide.

- 1 Metal mesh prefilter screen catches larger particles before they can enter the electronic cells. The prefilter cleans up easily in your laundry tub or with a garden hose.
- 2 Lightweight, electronic "Super Cells" electronically charge and capture particles. They wash clean in your dishwasher or a wash container.
- 3 Gaskets around the power supply and door help prevent air leakage during operation.
- 4 Automatic interlock safety switch disconnects power when door is opened.
- 5 Test button, lets you easily check that the air cleaner power supply and cells are operating.
- 6 Indicator light shows that the power supply is operating properly (F50F only).
- 7 Built-in airflow sensor automatically turns on unit when the blower fan turns on (F50F only).



Write to: Home Comfort Guide, Honeywell Customer Assistance Centre,
Honeywell Plaza — MN27-2164, Minneapolis, MN 55408



World Wide Web: <http://www.honeywell.ca/perfect-climate/>

Honeywell

Home and Building Control
Honeywell Limited
155 Gordon Baker Road
North York, ON M2H 3N7

Home and Building Control
Honeywell Inc
1985 Douglas Drive North
Golden Valley, MN 55422