

Honeywell

EXPANDAPAC™
MEDIA
AIR CLEANER



F35
MEDIA
AIR CLEANER

A little inspiration

was all it took to create a better media air cleaner



The remarkable filtering qualities of Ultra-Web® technology, shown magnified 600 times. The interlocking fibers of this material form a web that captures particles that pass right through disposable filters. Ultra-Web technology is exclusive to high-efficiency Honeywell Expandapac™ Media Air Cleaners.

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

In fact, floating in indoor air is 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, simple strategies can reduce indoor air pollution—source control, ventilation, and air filtration.

SOURCE CONTROL reduces the level of indoor air pollution. For example, encouraging smokers to step outside to indulge their habit, and keeping windows closed during the prime ragweed season, both control pollution at the source.

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

FILTRATION actually 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 equipment.

So what's an effective way to filter out many of these particles, and make your home a better place to breathe? The Honeywell Expandapac™ Media Air Cleaner.

The hidden reason to upgrade now

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

Behind the door to your furnace, hidden away, sits a one-inch wide disposable filter. It's been standard equipment for decades. And few of us change them often enough.



F35 MEDIA

Static Charged Filter

Low Voltage Electronic Air Filter

Disposable Filter

0%

10%

Initial atmos

Unfortunately, even a new disposable filter does almost nothing to remove particles that cause staining or reduce operating efficiency. 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 were added to capture large 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 more efficient Honeywell Media Air Cleaner.



Capture dust and many particles you can't see

Heavy dust particles settle out of the air relatively quickly, and are easily wiped away when dusting. Unfortunately, this visible dust makes up less than 0.01% of all 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 Media Air Cleaner helps capture particles, before they can stick to surfaces.

Low pressure drop, plus better airflow

Only Honeywell Expandapac™ Media Air Cleaners have the advantage of Ultra-Web®

technology. This exclusive technology ensures that air molecules can easily pass through the filter materials.

That's important because restricting air flow through your heating and cooling system, a phenomenon known as pressure drop, could seriously damage your equipment and lead to expensive repairs.

Compared to other media air cleaners, our Expandapac™ Media Air Cleaner combines a low initial pressure drop with high efficiency air cleaning, delivering outstanding performance.

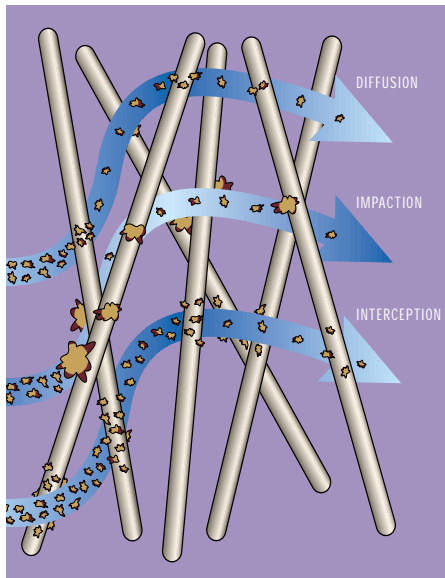
How media filters work

Media air filters—at the microscopic level—consist of an interlocking network of fibers that appear quite porous. This porosity is necessary to allow air to pass through the unit with minimal pressure drop. Despite appearances, the fibrous media captures a surprising number of particles, using three different methods.

DIFFUSION: The random trajectory of many particles, jostled by air molecules, carries them directly into the path of a fiber.

IMPACTION: Many particles are too heavy to move out of the path of a fiber; they slam into a fiber and stick.

INTERCEPTION: Random air currents cause particles to sweep too close to a fiber; molecular attraction grabs the particle.



Convenient, easy filter replacement

A Honeywell Media Air Cleaner captures 28% of the airborne particles (1 micron or larger) from the air passing through it. So where do these dirty particles go? In the trash when you replace the Expandapac Media Air Filter.

The durable, plastic filter frame slides out of the air cleaner on twin tracks. The accordion-fold, pleated media expands and attaches to the filter frame, and is held in place by a few filter combs. A bag is provided in the kit to dispose of the old, dirty filter. In just a few minutes your air cleaner is restored to its original performance.

Honeywell recommends you replace the Ultra-Web® filter material at the start of each heating and cooling season.



Breathe deeply, your air cleaner is at work

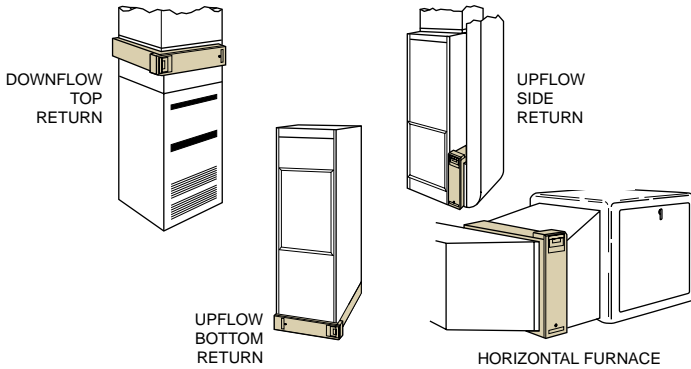
Now that you've learned about particles lurking in the air you breathe, do something about them. Get a Honeywell Expandapac™ Media Air Cleaner.

It's our most efficient whole-house media air cleaner. It helps capture particles that reduce the efficiency of your heating and cooling system. What's more, the low initial pressure drop helps reduce the strain on your equipment and helps keep it running efficiently.

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



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



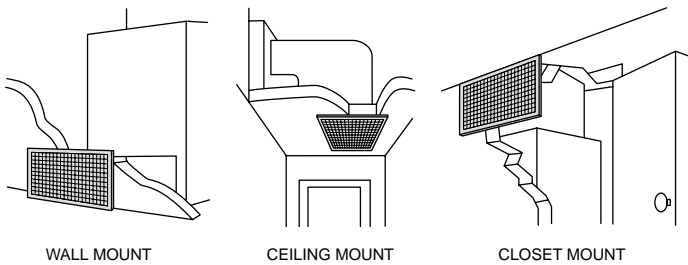
DUCT-MOUNTED F35 SERIES

Our F35 series of Honeywell Media Air Cleaners mount out of sight, in the ductwork near your equipment. A gasket on the door helps prevent air leakage.

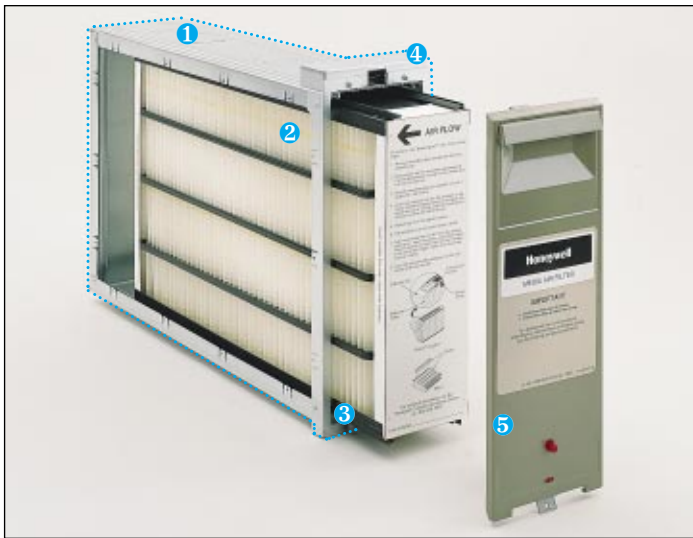
Model	Fits Opening (inches)	Maximum Rated Air Flow (CFM)
F35F1032	16 x 20	1200
F35F1008	16 x 25	1400
F35F1016	20 x 20	1400
F35F1024	20 x 25	2000

RETURN GRILLE F35 SERIES

Our F35R series of Media Air Filters have the same low initial pressure drop and high efficiency as the duct-mounted models. Although over 4 inches wide they easily replace the standard one-inch filter in a standard filter grille, and come complete with plastic frame, combs and gaskets.



Model	Fits Opening (inches)	Maximum Rated Air Flow (CFM)
F35R1036	12 x 24	800
F35R1044	14 x 20	800
F35R1069	14 x 25	1200
F35R1051	14 x 24	1200
F35R1077	14 x 30	1400
F35R1085	16 x 20	1000
F35R1093	16 x 25	1200
F35R1002	20 x 20	1200
F35R1101	20 x 24	1400
F35R1010	20 x 25	1800
F35R1028	20 x 30	2000
F35R1119	24 x 24	1800



- 1 Steel cabinet frame mounts anywhere in ductwork.
- 2 Expandapac™ Media Filter offers all the advantages of our exclusive Ultra-Web® technology.
- 3 Media filters slide easily in or out of the unit on twin tracks.
- 4 Unit is easily upgradeable to our F50 whole-house Electronic Air Cleaner. Add a power supply, electronic cells and go!
- 5 Gasket seal around door helps reduce air leakage during operation.

FOR MORE INFORMATION

A Honeywell Media 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. Write to: Home Comfort Guide, Honeywell Customer Assistance Center, Honeywell Plaza—MN27-2164, Minneapolis, MN 55408.



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

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