



*A sign that invites everyone to breathe easier, and patrons to stay longer*

No matter what kind of business you run, Honeywell can provide cleaner air. We can help improve the indoor air quality wherever people work or play, including:

- Bingo Halls
- Hospitals
- Computer Rooms
- Restaurants
- Banquet Halls
- Printing Shops
- Soldering Stations
- Dental Labs
- Gymnasiums
- Billiard Parlors
- Copy Centers
- Kennels
- Vo-tech Schools
- Bowling Centers
- Offices
- Cafeterias
- Smoking Lounges
- Locker Rooms
- Medical Clinics
- Nursing Homes
- Beauty Salons
- Recreation Centers
- Barber Shops
- Veterinary Clinics
- Laboratories
- Bars and Taverns
- Colleges
- ...and more!

When properly sized, installed and serviced, using Honeywell air cleaners qualifies your business for the "Clean Air\* Facility" Award and associated cleaner air marketing tools.

\*Clean air is defined as filtered air containing significantly reduced levels of airborne contaminants

**Honeywell Commercial Portable Media Air Cleaner Specifications**

Unit Filter Media	Cabinet Material	Electrical Ratings	Air Volume	Filter Options	Overall Dimensions	Weight	Approvals
<b>F112A Portable Air Cleaner:</b> Includes On/Off two-speed fan/blower and 99.97% HEPA filter, carbon prefilter.	Alabaster white plastic housing.	Input Power: F112: 120 Vac, 60 Hz; 1.85A Power connections: 8 ft (2.4m) two-prong power cord.	F112: 80 cfm at low speed; 150 cfm at high speed.	F112A: 99.97% HEPA filter with carbon prefilter. F112C: 99.97% HEPA filter with carbon prefilter and CPZ canister.	10 in (254 MM) high, 16 in. (406) mm diameter.	F112A: 14 lb (6.4 kg). F112C: 18 lb (8.2 kg).	Underwriters Laboratories (UL) Inc. Listed.
<b>F112C Portable Air Cleaner:</b> Includes On/Off two-speed fan/blower and 99.97% HEPA filter, CPZ canister, carbon prefilter.		Input Power: F113: 120 Vac, 60 Hz; 1.5A Power connections: 8 ft (2.4m) two-prong power cord.	F113: 150 cfm at low speed; 225 cfm at medium speed; 300 cfm at high speed.	F113A: 99.97% HEPA filter with carbon prefilter. F113C: 99.97% HEPA filter with carbon prefilter and CPZ canister.	14 in (356 MM) high, 16 in. (406) mm diameter.	F113A: 17 lb (7.7 kg). F113C: 24 lb (10.9 kg).	
<b>F113A Portable Air Cleaner:</b> Includes On/Off three-speed fan/ blower and 99.97% HEPA filter, carbon prefilter.							
<b>F113C Portable Air Cleaner:</b> Includes On/Off three-speed fan/ blower and 99.97% HEPA filter, CPZ canister, carbon prefilter.							

NOTE: The specific requirements for any application depend on room size, occupancy rate, existing pollutants and other factors. Your Honeywell distributor is an expert equipped to evaluate your space, calculate airflow requirements and

recommend the air cleaners best suited to your particular application. For complete specifications on these products ask for publications 68-3052 (F112, F113).

Replacement Parts:			
Air Cleaner Model	Prefilter Part No.	HEPA Filter Part No.	CPZ Canister Part No.
F112A6003	38002	21500	N/A
F112C6001	38002	28720	32000232
F113A6001	38002	24000	N/A
F113A6009	38002	28600	32000231

Air Capacity:		
Air Cleaner Model	Room Size (with 8 ft ceiling)	Air Changes (per hour)
F112A6003	12 ft x 16 ft	6
F112C6001	12 ft x 16 ft	6
F113A6001	17 ft x 22 ft	6
F113A6009	17 ft x 22 ft	6

**Glossary of terms**

**CPZ™ Sorbent Media**

Honeywell CPZ™ sorbent media is specially formulated for maximum efficiency at reducing levels of most gases, odors and VOCs, chemically changing these compounds and/or binding them to the media.

**Micron**

A unit of measurement equal to one millionth of a meter, or about 0.00003937 inches. (By comparison, a human hair is 100 microns in diameter).

**HEPA (High Efficiency Particulate Air) Filter**

HEPA (High Efficiency Particulate Air) media filters are manufactured to be 99.97% efficient at capturing 0.3 micron particles.

**VOCs (Volatile Organic Compounds)**

Gases created by the use of chemical solvents and other compounds used in enclosed spaces. Associated with unpleasant odors, and frequently with "sick building syndrome."

**For More Information**

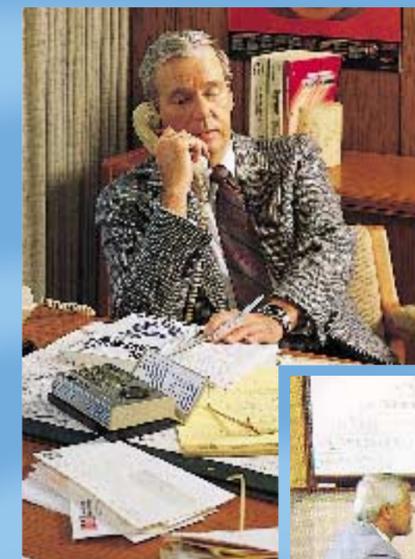
Honeywell commercial air cleaners are a great way to keep customers coming back, and help improve your employees' work-space. To learn more, contact your Honeywell Commercial Air Cleaner Distributor, check our web site [www.cleanairfacility.com](http://www.cleanairfacility.com), or call our **Customer Response Center at 1-800-345-6770, x 788.**

You can rely on Honeywell's indoor air quality expertise, a field we've led since 1959. Today, Honeywell air cleaners are used in millions of homes and buildings around the world, providing a better indoor environment wherever people live, work or play.

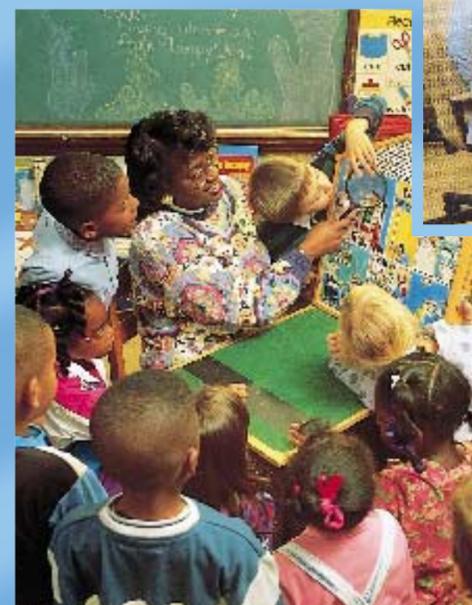
<sup>1</sup> HEPA (High Efficiency Particulate Air) media filters are certified to be 99.97% efficient at capturing 0.3 micron particles.

The amount of air moved through the unit's media filter depends on the fan speed setting, room layout, and the placement of objects in the room that may affect air circulation. Only air actually passing through the media is filtered. The rate of particle removal may be affected by the pollutant type, and the rate at which new pollutants are introduced into the air.

**Distributed By:**



**Commercial Portable Media Air Cleaners**



*Indoor air quality solutions that are clearly good for business... Media filters 99.97% efficient<sup>1</sup> at capturing particles from the air passing through them. Exclusive CPZ™ sorbent media that can capture gases, odors and volatile organic compounds (VOCs).*



## It's worse than you think!

If you think the indoor air in your facility is relatively clean, you're probably in for a real surprise.

You see, the people who measure such things as indoor air quality say that the air inside a commercial building can easily be more seriously polluted than the air outside.<sup>3</sup>

That's startling. And that's why Honeywell air filtration systems are becoming such business assets.

### Poor air quality repels customers, reduces productivity

Dirty air is an expensive proposition. It can offend customers, affect employee productivity and leave its mark on the surroundings.

How? Well, people who are distracted by poor indoor air quality don't concentrate very well. If they're your customers, they might leave and never come back.

What's more, when particles settle on surroundings, they leave a dirty film that must be scrubbed off. A Honeywell air cleaner can help keep interior surfaces cleaner, longer. It can also help decrease downtime of dust-sensitive electronic business equipment.

### Freshened air without the fresh-air costs

Poor indoor air quality can't always be improved by increasing air exchanges. Bringing in "fresh" outdoor air may actually introduce additional contaminants. Plus, heating or cooling that air actually increases energy costs.

An efficient Honeywell air filtration solution lets you minimize air exchanges by filtering and re-circulating the existing room air, possibly reducing the need for intake of outdoor air to ASHRAE minimums.

<sup>3</sup>The Inside Story, United States Environmental Protection Agency, 1995 (data reviewed by E.P.A. in April 1998).

# Compact, "room-size" air cleaners that efficiently capture particles, odors and VOCs

## F112A, F113A

HEPA filtration is tough on particles



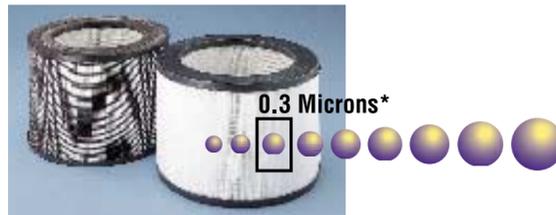
Especially designed for rooms where high concentrations of particles are a problem, the two-stage F112A and the larger F113A both use a prefilter and a 99.97% efficient<sup>1</sup> HEPA filter. Unobtrusive and quiet, these units are recommended for use inside offices, classrooms, meeting rooms, and other smaller spaces.

Air circulation at speeds up to 300 CFM helps keep room air moving through the air cleaner. And thanks to an efficient 360° airflow pattern cleaner air is re-circulated throughout the room.

Reliability is built right in. A tough Cyclac™ case shrugs off the bumps that come from everyday use. The high efficiency, two-speed or three-speed (depending on the model) maintenance-free motor has sealed bearings, so it never requires additional lubrication.

Maintenance is a breeze. No tools are required to open the case and replace filters. The whole process can be done in a few minutes.

### Why measure efficiency at 0.3 microns?



\*Some media air cleaners are rated according to their ability to capture particles 0.3 microns in size. Why? Because these are the most difficult to remove.

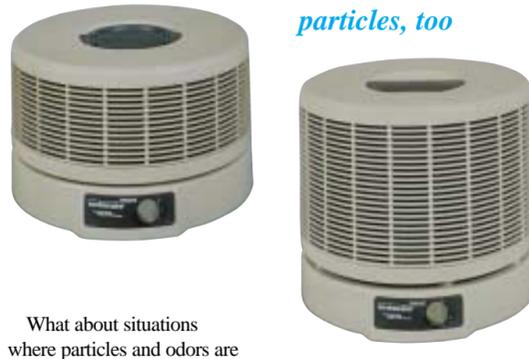
Honeywell HEPA filters are manufactured to be 99.97% efficient at capturing 0.3 micron particles.

But these are minimum ratings. Thanks to the laws of physics, our media filters are actually more efficient on particles smaller or larger than 0.3 microns. These high efficiencies remain over the useful life of the filter.

By comparison, roughly 1,300 0.3 micron particles would fit on the period at the end of this sentence.

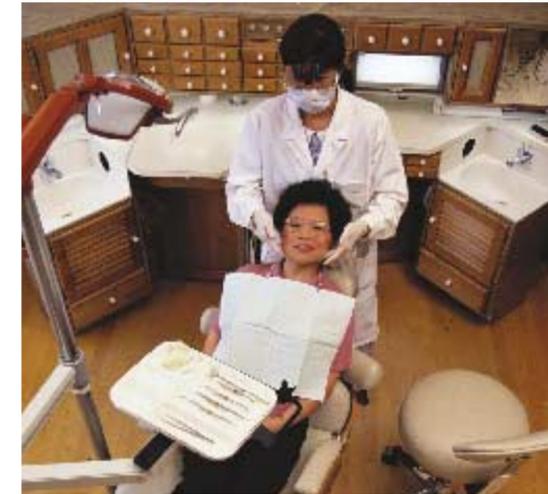
## F112C, F113C

Capture gases, odors, VOCs and most particles, too



What about situations where particles and odors are a problem? We say, "no problem." These units capture both.

The three-stage F112C and F113C use a prefilter and a 99.97% efficient HEPA media air filter to capture particles, and an inner CPZ™ filter to capture gases, odors and volatile organic compounds (VOCs).



Operating quietly and unobtrusively, you'll find these units inside daycare centers, classrooms, and photo labs—anywhere both particles and odors are a problem. Two models are available, with different airflow capacities, and one is right for almost any room. Both feature a tough case, a maintenance-free motor with sealed bearings, and "no tools" access to air filters and CPZ sorbent media.

The smaller unit moves air at up to 150 CFM; the larger unit up to 300 CFM. Both feature 360° airflow, a process that ensures cleaner air is re-circulated throughout the room.



### Cleaner air to go

Who says you can't take it with you? These lightweight units—only 14 to 24 pounds, fully loaded with all filtering options—feature a built-in handle that lets you take them wherever cleaner air is needed. Even the most heavy-duty model draws only 3 amps, so you can plug in several on one circuit and not worry about tripping a breaker.

<sup>1</sup>HEPA (High Efficiency Particulate Air) media filters are manufactured to be 99.97% efficient at capturing 0.3 micron particles.

The amount of air moved through the unit's media filter depends on the fan speed setting, room layout, and the placement of objects in the room that may affect air circulation. Only air actually passing through the media is filtered. The rate of particle removal may be affected by the pollutant type, and the rate at which new pollutants are introduced into the air.



### Particles aren't always the problem

Anywhere gases, odors and volatile organic compounds (VOCs) are a part of doing business—for instance locker rooms, beauty shops, print shops, laboratories and mortuaries—you'll want an air cleaner that includes CPZ™ sorbent media.

Honeywell CPZ™ sorbent media is specially formulated for maximum efficiency at capturing most gases, odors and VOCs or chemically changing these compounds and binding them to the media. Our CPZ canisters are designed for long service life at high airflow rates. When combined with our 99.97% efficient HEPA air filter, you have a winning combination that effectively captures both particles and gases.



### Custom Blower Motors

Our direct drive-blower motors are among the quietest in the industry. A "forward-curve" design enables these blowers to actually pick up the pace as the filter media loads with particles. No maintenance, sealed bearings ensure a long motor life.

### No Tools Required

Replacing media filters or sorbent media couldn't be easier. A quick turn of the handle loosens the air cleaner's cover, which lifts out. The media air filter or sorbent media cartridge lifts out, the new unit drops in place, and your air cleaner is again ready for efficient service.



### Guide to air circulation capacity

Air circulation capacity—the amount of air drawn through the filter—is measured in Air Changes per Hour (ACH). Each air change represents circulating the volume of air in the room through the air cleaner one time. All of the air in the room will not immediately be processed through the filter. However, the more air circulated through the filter, the more air cleaned.

Air circulation capacity determines the particular room size for which the air cleaner is appropriate. Honeywell recommends choosing an air cleaner capable of at least 4–6 air changes per hour for the room in which it is used.

#### Typical air changes per hour for F112A, F112C

Room Size (8' ceiling)	Square Feet	Air changes per hour (ACH)
11' x 11'	121	9+
12' x 12'	144	7+
13' x 13'	164	6+

#### Typical air changes per hour for F113A, F113C, F113D

Room Size (8' ceiling)	Square Feet	Air changes per hour (ACH)
15' x 18'	270	8+
17' x 18'	306	7+
19' x 19'	361	6+

### Choose a filtration method best for you

All Honeywell portable air cleaners share a common case, cover, polyester prefilter and motor design. The real differences lie in the type of filtering media. Which one you choose will depend on the type of indoor air pollutants you need to capture.

#### For High Levels of Particles:

Models with HEPA filters, which are 99.97% efficient<sup>1</sup> are the most practical, cost efficient way to capture high levels of particles.

#### For High Levels of Particles, Plus Odors:

Models with 99.97% efficient media air filters include CPZ™ sorbent media to capture gases, odors and VOCs.

