



UVA Lamp
PCO Cartridge

PureAir™ cleans air better than any single system on the market

How PureAir™ works

- Carbon Clean 16® MERV 16 filter
- Photocatalytic oxidation cartridge
- Germicidal UVA light

MERV* Rating

16

This MERV rating is the **highest available** and unmatched in the residential industry.

The **Carbon Clean 16®** filter component is the highest rated whole-home filter in the industry. It improves ozone reduction and odor elimination while maintaining low static pressure.

Germicidal UV Lights

Further improve air quality and protect equipment by sterilizing surfaces.

Photocatalytic Oxidation

Eliminates airborne volatile organic compounds, odors, ozone, and chemical vapors.

Attacks VOCs

Volatile organic compounds — often found throughout the home in paint, cleaning supplies, air fresheners, and building materials — can make asthma worse and cause headaches and long-term damage to the liver and kidneys.

Does NOT Produce Ozone

The list of organizations that warn against indoor ozone is extensive (EPA, American Lung Association, Consumer Reports, CARB, and others).

Destroys Ozone

PureAir™ goes beyond not producing ozone — it actively converts it into oxygen, significantly reducing ozone levels in the home.

Destroys Odors

The PCO cartridge has been designed to maximize odor reduction performance in the home.

Removes Formaldehyde

The EPA and the National Cancer Institute have labeled formaldehyde, found in many home-building products, a cancer agent.

Cabinet Width

8.75"

Cabinet features slim design for easier installation and compatibility with more applications.

Build ongoing customer relationships

Create a recurring revenue stream with routine **PureAir™** maintenance kit replacements.

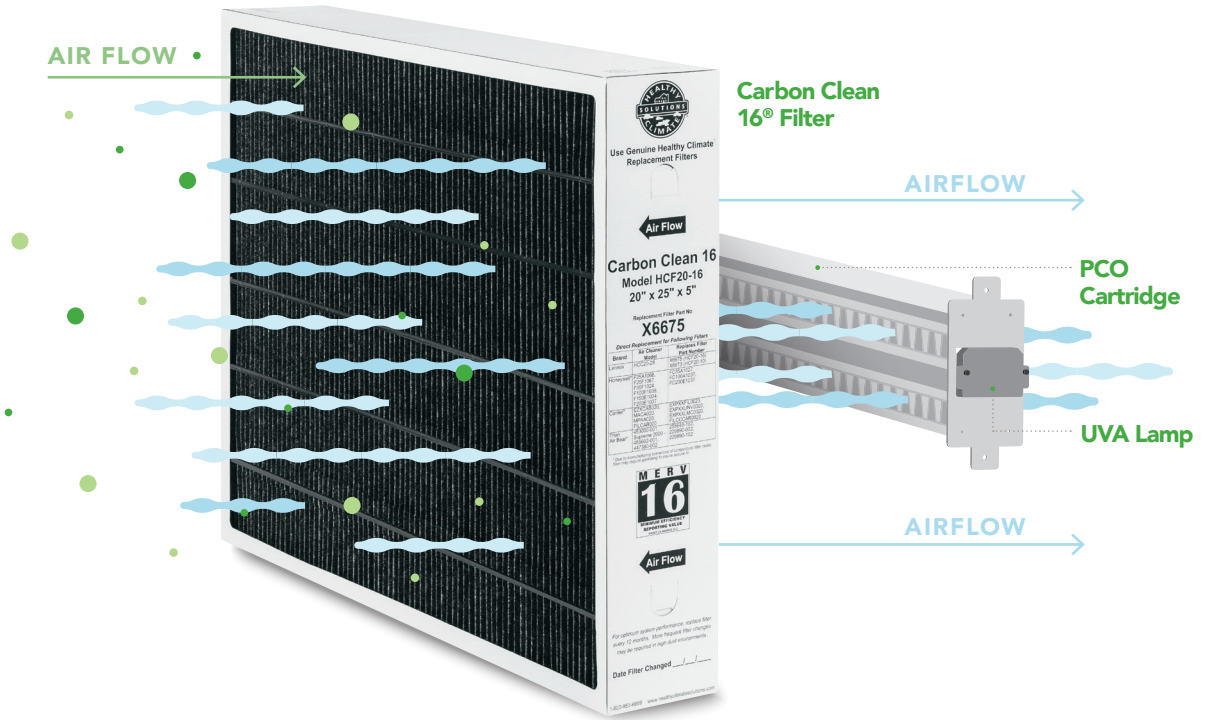
NO Homeowner Cleaning

The annual **PureAir™** maintenance kit installed by the contractor ensures optimal performance.

That means no vacuuming, brushing, or other cleaning of internal components, which homeowners are reluctant to perform and which result in degradation of advertised performance.

* The MERV (Minimum Efficiency Reporting Value) rating of a filter describes the size of the holes in the filter that allow air to pass through. The higher the MERV rating, the smaller the holes in the filter, the higher the efficiency.

How PureAir™ Works



Carbon Clean 16® MERV 16 Filter
 Photocatalytic Oxidation Cartridge
 UVA Light

Combine to make the *best*
 single system on the market.

Better filtration, meet better airflow

- Universal filters compatible with other manufacturers' equipment
- Made with patented exclusive fiber
- Carbon Clean 16® and HC11 filters have less pressure drop and lower power consumption than both 1-inch and 5-inch competitors
- Systems work more efficiently, run easier, and cost less



BEST

PureAir™ with
Carbon Clean 16®



BETTER

Carbon Clean 16®



GOOD

HC11



Don't see the products you need? Ask us, we've got more in the back.

If a filter isn't catching ultra-fine particles, it's not doing enough

Particle Size in Microns	.01	.30	.50	1.0	2.0	3.0	5.0	10-100
Carbon Clean 16®	90%	95%	96.5%	98.4%	99.3%	99.8%	99.9%	100%
HC11	—	—	—	65%	75%	85%	90%	92%
Typical 1"	—	—	—	—	—	<20%	<20%	<20%
	Viruses		Respirable Dust					
	Tobacco Smoke							
	Bacteria							
	Mold							
	Pollen							
	Visual Dust							

80% of all contaminant particulate is .1 micron or lower^[1]

What's in a filter?

Minimum Efficiency Reporting Value (MERV) is an independently tested, industry-standard method of evaluating filters based on the fraction of particles removed from air passing through them at a given velocity. A higher MERV rating means a greater percentage of particles are trapped by the filter.

Pressure Drop is the pressure difference between each side of the filter, measured in inches of water column (w.c., w.g.). A lower pressure drop score means the system can work more efficiently.

^[1]2005 Ashrae handbook air contaminants chapter 12

Carbon Clean 16[®]

is the best filter on the market

**E2 Particle Removal
1-3 Microns****

99% +

Unsurpassed ability to eliminate particles, down to 1 to 3 microns.

**E1 Particle Removal
0.3-1 Micron****

95% +

The only competing units that can attack fine particles are electronic air cleaners, which produce harmful ozone as a byproduct.

**Ultra-Fine Particle Removal
Down to .01 Micron —
Including Viruses & Bacteria**

90% +

The only competing units that can attack microorganisms are electronic air cleaners, which produce harmful ozone as a byproduct.

Top-Rated Filter from Leading Consumer Magazine

Factors considered in the testing included dust removal, smoke removal, and airflow resistance.

Pleated Filter

Removes particles, bioaerosols, ozone, and odors.

Eliminates Odors

Carbon-coated fiber matrix reduces odors in the home.

Destroys Ozone

Achieves 50% first-pass reduction of indoor ozone level.

MERV* Rating

16

MERV 16 rating is the highest in the industry.

Hospital Inpatient Care/ Surgery Level Filtration

The minimum recommended filtration level for hospital treatment rooms is MERV 14, per 2015 ASHRAE handbook.

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** Per ASHRAE Standard 52.2