



Healthy Home System[®]

IAQ CONTROL

MEDIA AIR CLEANERS

UV-AIRE[®] PURIFIERS

PRO-CELL[™] TECHNOLOGY



FIELD CONTROLS
Improving Indoor Environments

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Since 1927, our focus has been the control and movement of air. We lead the industry in developing and manufacturing innovative and effective indoor air quality ventilation and combustion products. This Healthy Home System Guide provides product models, descriptions, specifications, installation options, and everything you need to keep your customer's HVAC system running efficiently while improving the indoor air quality of their home. Our products deliver indoor air that is **CLEAN, PURE, and FRESH™**. For specific installation manuals and more information, visit www.fieldcontrols.com.

Thank you for specifying Field Controls.



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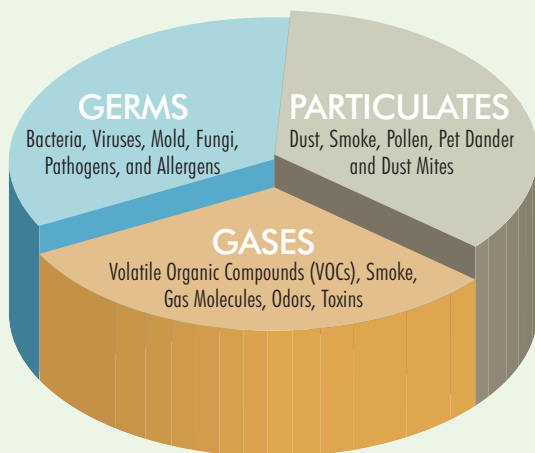
HEALTHY HOME SYSTEM®

INNOVATIVE IAQ SOLUTIONS

Better Air For Better Living

Indoor air is filled with particulates, gases and germs that can cause illness and aggravate asthma and other respiratory problems. The Healthy Home System® is a whole-home indoor air quality solution that leaves air **CLEAN, PURE, and FRESH™** by addressing the three main allergy triggers. What's more, the Healthy Home System® keeps any HVAC system running at top efficiency, which means less maintenance and reduced energy costs.

THREE ALLERGY TRIGGERS



According to the U.S. Center for Disease Control (CDC), indoor air contains three types of pollutants: **Germs, Particulates, and Gases**. This pollution is a major source for allergic reactions.

35% of allergic reactions are due to Particulates

31% of allergic reactions are due to VOCs

34% of allergic reactions are due to Germs

“**Asthma and allergies strike 1 out of 5 Americans.**”
- Asthma and Allergy Foundation

THREE SOLUTIONS



CLEAN
Traps Particles



FRESH
Reduces odors and VOC gases



PURE
Neutralizes Germs

Healthy Home System® Control

The Healthy Home System® Control (HHSC+™) intelligently manages the central fan to provide year-round fresh air ventilation and maximize the benefits of Field Controls media air cleaners and air purifiers.



How it Works

The HHSC+™ monitors the central fan of the HVAC system to provide air circulation and deliver air that is Fresh, Clean and Pure. Air is circulated at timed intervals and is treated by the Healthy Home System to ensure healthier air year-round... even when not heating or cooling. If the air doesn't move, the air isn't treated. The HHSC+ also balances temperature and comfort in the home.

When combined with a Fresh Air Damper (FAD), the HHSC+ will provide fresh air ventilation on a schedule to meet ASHRAE 62.2. For more information, see our Residential Ventilation Guide or visit Fieldcontrols.com.

Specifications							
Model	Product	Description	Voltage	Amps	HZ	Watts	Part #
HHSC+	Healthy Home System Control	Programmable Healthy Home System® Control for central system fan. Fan/Vent ON and OFF delay settings, 1-199 minutes in 1 minute increments, unlimited setting for ON and OFF.	24	0.07	-	-	46590400

CLEAN

MEDIA AIR CLEANER™
PERFORMANCE & APPLICATIONS

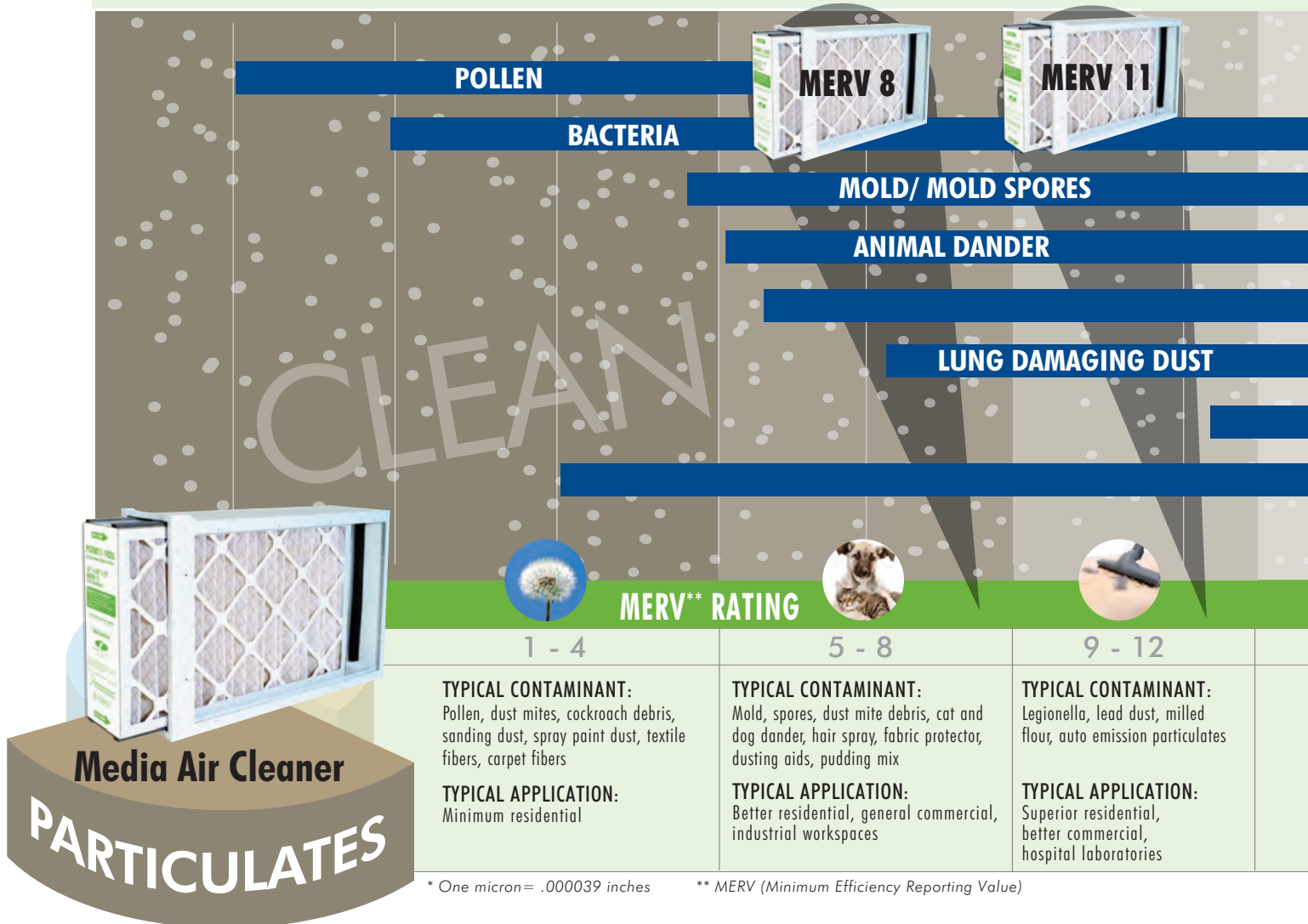
Whole House Air Filtration with Media Air Cleaner

The Media Air Cleaner is a whole house air filtration system that combines minimum maintenance with maximum air cleaning capacity. As part of the Healthy Home System®, the Media Air Cleaner works with the Healthy Home System Control to CLEAN the air in the home all year round... even when not heating or cooling. The chart below shows the Media Air Cleaner performance and typical applications. Field Controls offers Media Air Cleaners with MERV 8, MERV 11, and MERV 13 ratings.

Media Air Cleaner Performance & Applications

Indoor Air Pollution Particle Sizes (in microns*)

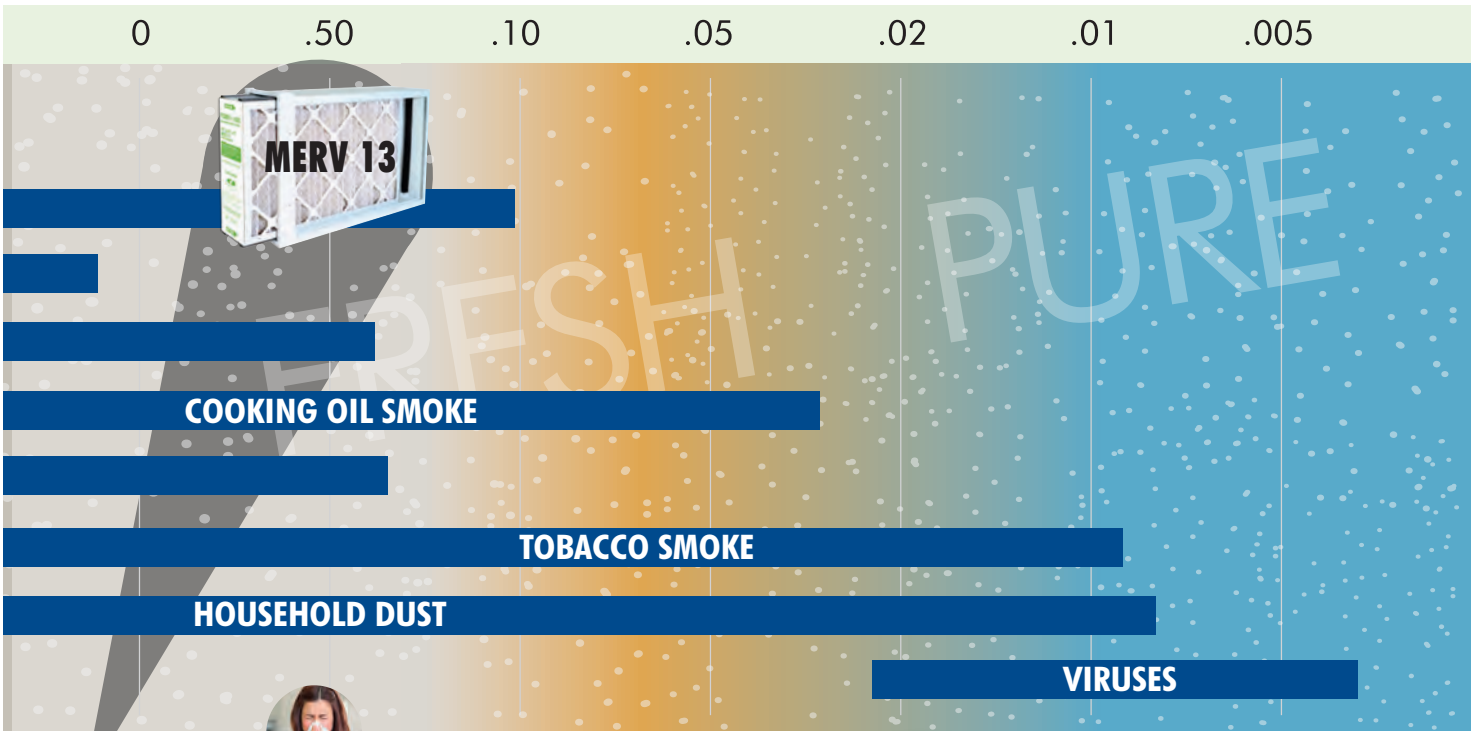
100 50 20 10 5.0 3.0 1.0



What is MERV?

Minimum Efficiency Reporting Value, commonly known as MERV rating, is a measurement scale designed to represent the expected performance of a filter when dealing with particles in the range of 0.3 to 10 microns. The MERV rating is from 1 to 16. Higher MERV ratings correspond to a greater percentage of particles captured on each pass, with a MERV 16 filter capturing more than 95% of particles over the full range. The graphic below indicates the typical size and type of contaminants and how they correspond to each MERV rating.

Keep the air moving through the treatment zone with the HHSC+ Control



COOKING OIL SMOKE

TOBACCO SMOKE

HOUSEHOLD DUST

VIRUSES



13 - 16

TYPICAL CONTAMINANT:
Bacteria, sneeze droplets, cooking oil, smoke, face powder, paint pigments

TYPICAL APPLICATION:
Hospital & general surgery



The combination of the Duo or Trio Air Purifier, Media Air Cleaner and PRO-Cell™ technology effectively **reduces and eliminates all three types of pollution** each time the central fan begins to move air through the HVAC system.

Cabinet and High Efficiency Media

Our Media Air Cleaners feature a high quality, powder coated finish metal cabinet which is durable and attractive. Our HeavySeal™ design provides a super-tight envelope with no leakage around the filter or out of the ductwork.

High Capacity, Minimum Resistance Media

Our Media Air Cleaners are available with high efficiency MERV* 8 or 11 media filters that feature depth loading to capture larger particles on the surface and smaller particles deeper within the media. This allows the filter to last longer and minimize pressure drop. The media is also electrostatically charged for better efficiency and hydrophobic moisture resistance. Our hydrophobic, depth loading filters inhibit the growth of bacteria or other microbes. Field Controls Media Air Cleaners are built to clean indoor air for months. Replacing filters is fast and simple.



Right Angle Model

Three sizes available
(20" x 25", 16" x 25", 20" x 20")

Features

- Features HeavySeal™ to force air through the filter
- Easy media filter replacement
- Installs into ducted central heating and air conditioning system
- Comes with a high efficiency MERV 8 or 11 filter to trap particles as small as 1.0 micron**, including pollen, dust, mold, and dander
- Meets ANSI/ASHRAE 52.2 standards
- Robust heavy duty metal construction
- Perfect for any residential or commercial forced air heating or cooling system up to five tons

Right Angle Cabinet

Our Right Angle Media Air Cleaner is designed to save space in vertical installations, and reduces installation space by 6 to 8 inches. It also eliminates the need for a 90-degree duct adapter. Helps to protect and prolong the operating efficiency of the heating and cooling equipment. Equipped with a MERV 8 or 11 media air cleaner.



* MERV (Minimum Efficiency Reporting Value)

** One micron = .000039 inches

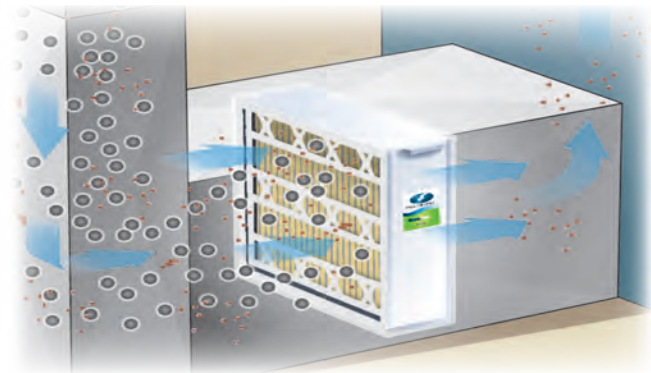
For additional Installation Options, see page 30.



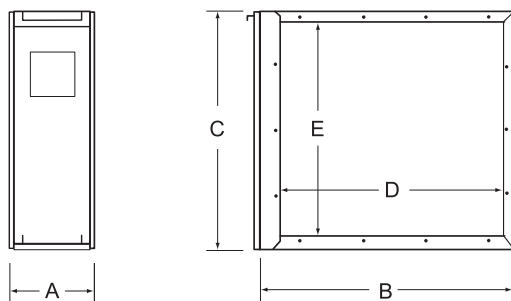
How It Works

The Field Controls Media Air Cleaner cabinet is installed in the return air duct of the forced air system prior to the furnace and air handler. As air passes through the system, airborne particles are trapped within the filter media.

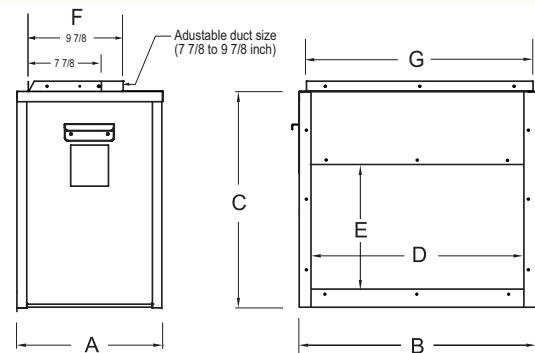
Unlike traditional filters, our Media Air Cleaner is able to trap up to 100 times more while maintaining efficiency and arrestance ratings in compliance with ASHRAE Standard 52.2.



Model	Cabinet Dimensions (inches)						
	A	B	C	Duct Opening			
				D	E	F	G
FC8-2025HS	7 1/8	24 3/8	21 3/8	21 7/16	19 3/8	—	—
FC8-1625HS	7 1/8	24 3/8	17 3/8	21 1/2	15 3/8	—	—
FC11-2025HS	7 1/8	24 3/8	21 3/8	21 7/16	19 3/8	—	—
FC11-1625HS	7 1/8	24 3/8	17 3/8	21 1/2	15 3/8	—	—
FC11-2020HS	7 1/8	20 3/4	21 3/8	17 13/16	19 3/8	—	—
FC11-1625T3HS	4 3/8	24 3/8	17 1/8	21 5/8	15 1/16	—	—
FCRA11-2025	15 11/16	25 11/16	23 7/16	22 7/8	13 3/8	7 7/8 – 9 7/8	24



FC8 AND FC11 MEDIA AIR CLEANER CABINET



FCRA11-2025 RIGHT ANGLE CABINET

Media Air Cleaner Specifications						
Model	Part #	Media Size (inches)	Rated Air Flow (cfm)	MERV Rating	Replacement Media Model	Replacement Media Part #
FC8-1625HS	46585500	16 H x 25 W x 5 D	600 - 1,400	8	FCRM8-1625	46585900
FC8-2025HS	46585600	20 H x 25 W x 5 D	600 - 2,000	8	FCRM8-2025	46586000
FC11-1625HS	46555000	16 H x 25 W x 5 D	600 - 1,400	11	FCRM11-1625	46568500
FC11-2020HS	46607100	20 H x 20 W x 5 D	600 - 1,400	11	FCRM11-2020	46607000
FC11-2025HS	46566900	20 H x 25 W x 5 D	600 - 2,000	11	FCRM11-2025	46568600
FC11-1625T3HS	46656400	16 H x 25 W x 3 D	600 - 1,200	11	FCRM11-1625/3ABC	46656600
FCRA11-2025	46638000	20 H x 25 W x 5 D	600 - 2,000†	11	FCRM11-2025	46568600

† A second Media Air Cleaner may be required if CFM exceeds rated air flow. Refer to installation manual for more information.

CLEAN

MEDIA AIR CLEANER™
CUSTOM COLORS

Custom Colors and Private Labeling*

Field Controls offers custom paint colors and private labeling for our Media Air Cleaner cabinets. Choose from colors that match OEM equipment throughout the industry. Media Air Cleaner cabinets can also be private labeled with your logo and contact information.

All Custom Color Media Air Cleaner cabinets are equipped with HeavySeal™ which is designed to create a supertight envelope that focuses air to and through the filter. Custom Colors is available for the entire metal cabinet or just the cabinet door. We can also supply a Custom Color cabinet with a MERV 8 or MERV 11 media cartridge pre-installed.



Custom Private Labeling

*Built to order, allow 3-4 weeks for delivery.
Minimum order required, call for details.

Available Custom Colors:



Custom Color Media Air Cleaner Cabinet Specifications

Model	Description	Part #	Media Size (inches)
FC2025-LMCC	20 x 25 Filter Cabinet	46650200	20 H x 25 W x 5 D
FC1625-LMCC	16 x 25 Filter Cabinet	46650300	16 H x 25 W x 5 D
FC2020-LMCC	20 x 20 Filter Cabinet	46650400	20 H x 20 W x 5 D
HW2025-LMCC	Honeywell® 20 x 25 Filter Cabinet	46650600	20 H x 25 W x 4.375 D
HW1625-LMCC	Honeywell® 16 x 25 Filter Cabinet	46650700	16 H x 25 W x 4.375 D
HW2020-LMCC	Honeywell® 20 x 20 Filter Cabinet	46650800	20 H x 20 W x 4.375 D
HW1620-LMCC	Honeywell® 16 x 20 Filter Cabinet	46650900	16 H x 20 W x 4.375 D
HW2520-LMCC	Honeywell® 25 x 20 Filter Cabinet	46690000	25 H x 20 W x 4.375 D
FC2025-LMCC3.75	20 x 25 Filter Cabinet Accepting Trio 3.75inch Wide Media	46660001	20 H x 25 W x 3.75 D
FC1625-LMCC3.75	16 x 25 Filter Cabinet Accepting Trio 3.75inch Wide Media	46660101	16 H x 25 W x 3.75 D
FC1625T-LMCC	16 x 25 x 4-3/8W Filter Cabinet accepting Twiggy	46660201	16 H x 25 W x 3 D
FCRA2025-LMCC	Right Angle Heavy Gauge Air Cleaner Cabinet Accepting 20 x 25 x 5 Media	46660301	20 H x 25 W x 5 D





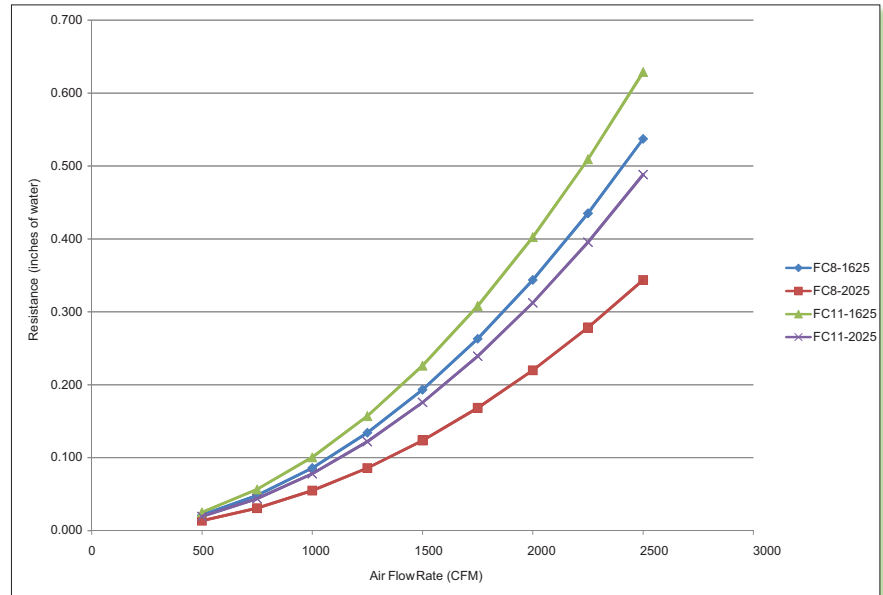
Replacement Media: High Capacity, Minimum Resistance



Field Controls MERV 8 or MERV 11 pleated media contains enough air cleaning capacity to clean air for months without restricting air flow or putting a strain on the air handling system. Our filter media is electrostatically “supercharged” for better efficiency and longer service life. It is moisture resistant and will not support the growth of bacteria or other microbes.

Direct Replacement for Popular Models

We also offer direct replacement media cartridges for Trion and Honeywell cabinets.

Media Air Cleaner Performance: Air Flow vs. Resistance



Media Air Cleaner™ Replacement Media					
Field Controls®					
	MODEL	MERV	DESCRIPTION	SIZE (inches)	PART #
	FCRM8-1625	8	Replacement Media - 3 Pack Filter Kit	16 x 25 x 5	46585900
	FCRM8-2025	8	Replacement Media - 3 Pack Filter Kit	20 x 25 x 5	46586000
	FCRM11-1625	11	Replacement Media - 3 Pack Filter Kit	16 x 25 x 5	46568500
	FCRM11-2020	11	Replacement Media - 3 Pack Filter Kit	20 x 20 x 5	46607000
	FCRM11-2025	11	Replacement Media - 3 Pack Filter Kit	20 x 25 x 5	46568600
Trion®					
	FCRM11-1625/3ABC	11	Replacement Media for Trion Air Bear Cub - 3 Pack Filter Kit	16 x 25 x 3	46656600
Honeywell®					
	FCRM11-2025/4HW	11	Replacement Media for Honeywell 3 Pack Filter Kit	20 x 25 x 4	46656700
	FCRM11-1625/4HW	11	Replacement Media for Honeywell 3 Pack Filter Kit	16 x 25 x 4	46656800
	FCRM11-2020/4HW	11	Replacement Media for Honeywell 3 Pack Filter Kit	20 x 20 x 4	46656900
	FCRM11-1620/4HW	11	Replacement Media for Honeywell 3 Pack Filter Kit	16 x 20 x 4	46657000

CLEAN

FLEXFILTER® REPLACEMENT AIR CLEANERS

FlexFilter[®]
Patented

FlexFilter® replaces ALL major brands.

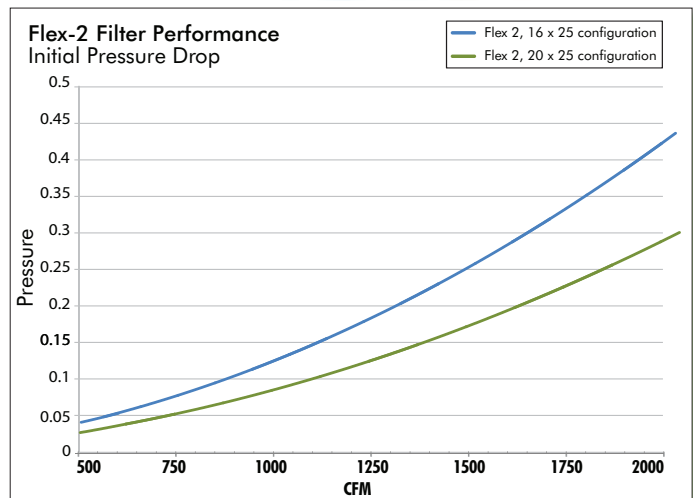
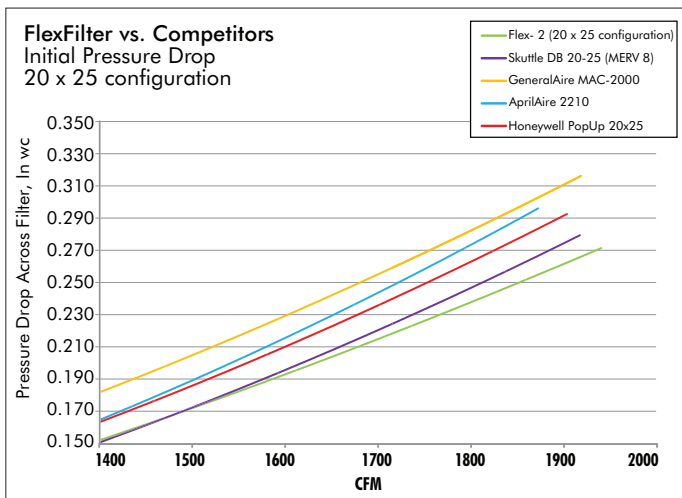
Field Controls' patented FlexFilter replacement media are collapsible and compact. They take up very little space and are shrink wrapped to reduce damage on the truck. Most FlexFilter models are two different size filters in one. FlexFilter is easy-to-assemble and features high efficiency MERV 11 media with minimal pressure drop.

Every FlexFilter includes a plastic bag for disposal of the dirty filter. This ensures dust and dirt are not tracked through the homeowner's house nor will it blow around in your truck. FlexFilters come in 7 models with color coded labels to directly replace name-brands such as Aprilaire (blue), Honeywell (red), Carrier (yellow), Bryant (yellow), Trion (green), GeneralAire (green), Skuttle (green), and more.

- Patented 2-in-1 expandable filter design
- High efficiency MERV 11
- Compact design protects filter from damage
- Saves time and money with improved inventory management
- Includes a bag for convenient disposal of old filter



THE
2-in-1
FILTER
FlexFilter Fits!

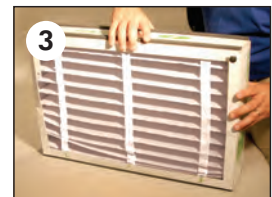


Color coded for quick selection



FlexFilter® Replacement Guide					
BRAND	FILTER MODEL	SIZE (inches)	FITS AIR CLEANER MODEL	REPLACEMENT FLEX MODEL	PART #
Field Controls®	FCRM11-2020	20 x 20 x 5	FC11-2020	FLEX-1	46600407
	FCRM11-1625	16 x 25 x 5	FC8-1625 / FC11-1625	FLEX-2	46600401
	FCRM11-2025	20 x 25 x 5	FC8-2025 / FC11-2025 FCRA11-2025		
Skuttle®	000-0448-007 (003)	20 x 20 x 5	DB-20-20	FLEX-1	46600407
	000-0448-008 (004)	16 x 20 x 5	DB-20-16	FLEX-2	46600401
	000-0448-005 (001)	16 x 25 x 5	DB-25-16		
	000-0448-006 (002)	20 x 25 x 5	DB-25-20		
GeneralAire®	5FM2020 (4531)	20 x 20 x 5	MAC2020 / MAC2020M	FLEX-1	46600407
	5FM1625 (4511)	16 x 25 x 5	MAC1400 / MAC1400M	FLEX-2	46600401
	5FM2025 (4501)	20 x 25 x 5	MAC2000 / MAC2000M MAC-L		
Trion®	255649-103 / 259112-113	20 x 20 x 5	455602-225 / 455602-725	FLEX-1	46600407
	255649-105 / 259112-105	16 x 25 x 5	455602-125 / 455602-625	FLEX-2	46600401
	255649-102 / 259112-102	20 x 25 x 5	455602-025 / 455602-525 266380-010 / 266380-510 447380-010 / 477380-510		
Ultravation®	91-013	20 x 20 x 5	90-116	FLEX-1	46600407
	91-012	16 x 20 x 5	90-115	FLEX-2	46600401
	91-005	16 x 25 x 5	90-106		
	91-006	20 x 25 x 5	90-107 90-064 / 90-027		
Honeywell®	POPUP1620	16 x 20 x 4	F100F2028 / F200E1003	FLEX-3	46600406
	FC100A1003	16 x 20 x 4	F100F2028		
	FC200E1003	16 x 20 x 4	F200E1003		
	POPUP2020	20 x 20 x 4	F100F2036 / F200E1029		
	FC100A1011	20 x 20 x 4	F100F2036	FLEX-4	46600405
	FC200E1011	20 x 20 x 4	F200E1029		
	POPUP1625	16 x 25 x 4	F100F2002 / F200E1011		
	FC100A1029	16 x 25 x 4	F100F2002		
	FC200E1029	16 x 25 x 4	F200E1011		
	POPUP2025	20 x 25 x 4	F100F2010 / F200E1037		
FC100A1037	20 x 25 x 4	F100F2010	FLEX-4	46600405	
FC200E1037	20 x 25 x 4	F200E1037			
Carrier® Bryant®	EXPXXFIL0016	16 x 25 x 4	EZXCAB1016	FLEX-4	46600405
	EXPXXFIL0316				
Aprilaire®	EXPXXFIL0020	20 x 25 x 4	EZXCAB1020	FLEX-4	46600405
	EXPXXFIL0320				
	201	20 x 25 x 4	2200, 2120	FLEX-5	46600402
	210	20 x 25 x 4	1210, 2210, 3210, 4200, 1213, 2120+1213	FLEX-5.5	46600408
	213				
	310	19 x 20 x 4	1310, 2310, 3310, 4300	FLEX-6.5	46600409
	313				
401	16 x 28 x 4	2400, 2140	FLEX-7	46600404	
410	16 x 28 x 4	1410, 2410, 3410, 4400, 1413, 2140+1413	FLEX-7.5	46600410	
413					

Installs in Seconds



Plastic Buttons
Snap into place quickly and easily

MERV 11 Media
High efficiency with minimal pressure drop

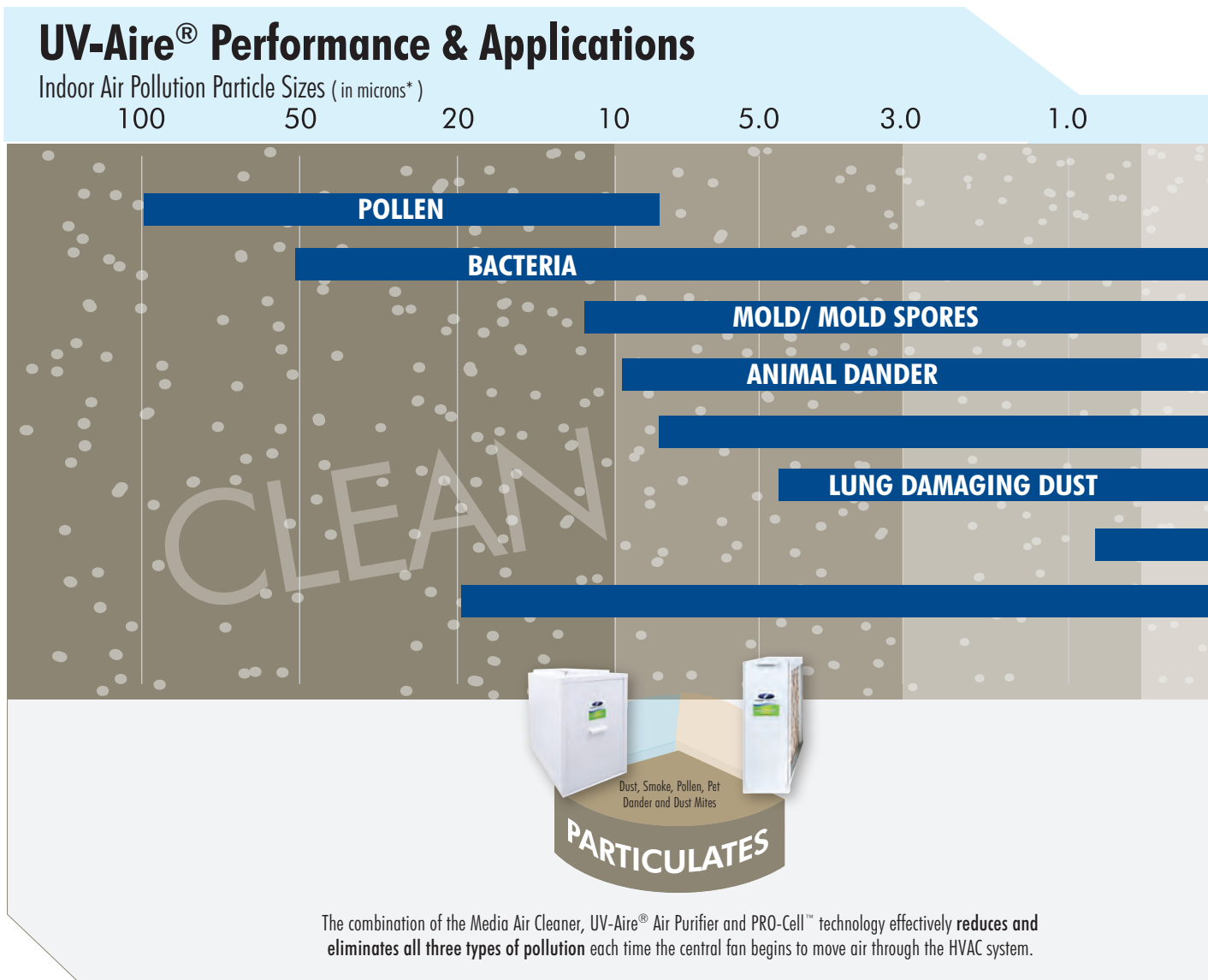
PURE

UV-AIRE® PERFORMANCE & APPLICATIONS

Neutralize airborne bacteria, viruses, fungi and mold

Field Controls UV-Aire® or FlexMountUV™ air purifier mounted in the HVAC duct system can be effective in controlling bacteria, mold and germs. As part of the Healthy Home System®, UV-Aire and FlexMountUV air purifiers work with the Healthy Home System Control to produce **PURE** air in the home all year round... even when not heating or cooling.

The UV lamp neutralizes an organism's DNA and makes it unable to replicate. As indoor air circulates through the duct system, it is consistently bathed in UV light as it passes through the treatment zone. Based on the design of the central air system, each molecule of air will pass over the lamp 75-150 times a day. Independent lab tests indicate that Field Controls UVs have a significant and cumulative effect on the concentration of airborne germs in the home. In an independent test, Field Controls UV reduced the test bacteria by 90 percent with a single airflow pass at typical airflow rates. This efficiency will not be the same for all bacteria and molds since each organism requires different exposure times at the same UV output energy level.

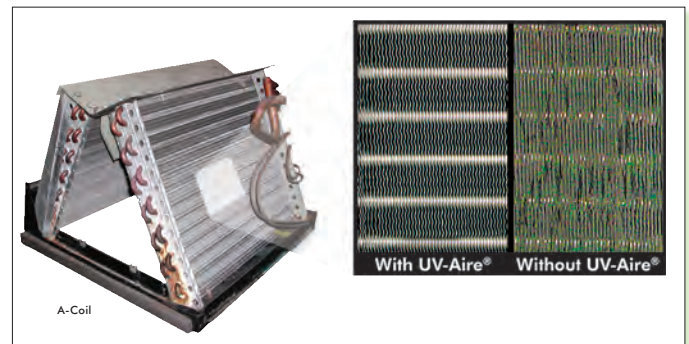


* One micron = .000039 inches

** MERV (Minimum Efficiency Reporting Value)

And Keeps A-Coils Clean

While Field Controls UV air purifiers reduce airborne germs, they can also keep A-Coils clean. A-Coils are in moist, dark places, the perfect breeding ground for mold and toxic biofilm that releases germs into the air each time the system cycles. When a UV lamp is placed near the A-Coil it keeps the coil clean, allowing the AC system to run efficiently, which saves on energy costs, reduces maintenance, and extends the life of the equipment.



Keep the air moving through the treatment zone with the HHSC+ Control



0 .50 .10 .05 .02 .01 .005

COOKING OIL SMOKE

TOBACCO SMOKE

HOUSEHOLD DUST

VIRUSES



UV-Aire Air Purifiers

TYPICAL CONTAMINANTS:
Bacteria, Viruses, Mold, Fungi, Pathogens,
and Allergens

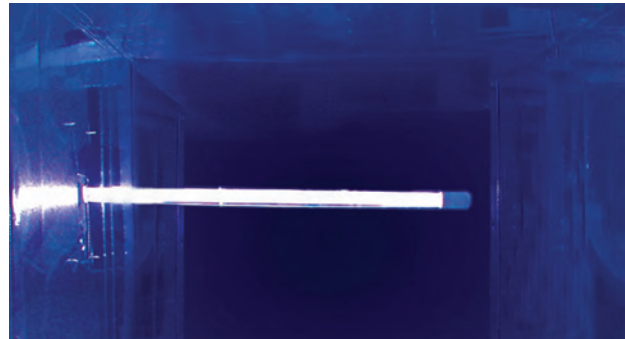
GERMS

Independent Lab Testing

Microbe Management, Inc., a testing agency in Greenville, NC, has conducted three separate tests to examine UV's effect on indoor air quality. The test results conclude that UV is an integral part of a whole house approach to improving Indoor Air Quality.

Background: Attack the Source

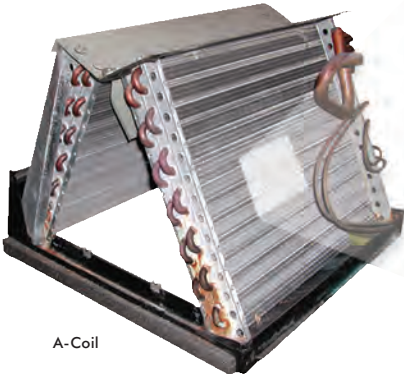
Experts agree that stopping problems at the source is crucial to long-term air quality improvement. First, the homeowner must eliminate any unwanted sources of moisture in the home such as roof leaks and drainage problems. Likewise, the air conditioning coil must be addressed since it is a natural breeding ground for molds, which thrive in a dark, moist environment. Familiar with the rank smell generated when switching from air conditioning to heat mode? That is the smell of mold and bio-film burning off the coil. Whenever the blower is engaged, mold spores from contaminated A-Coils are released into the ductwork and distributed throughout the building. These spores then seek alternative surfaces in other parts of the home to breed and multiply.



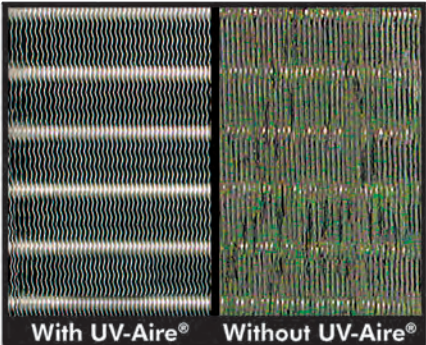
Surface Test: UV Neutralizes and Prevents Mold on A-Coils

A specific test was designed to determine UV's effectiveness in treating mold on coil surfaces. The test simulated the damp, dark settings where A-Coils are found. In this study "We took a standard A-Coil, sterilized it, introduced two kinds of mold and then placed it in a controlled, moisture-laden environment," says Bernard Kane, of Microbe Management. "We created two separate chambers in our lab. One chamber was bathed in UV light. The other was not." The results were dramatic and conclusive. The side of the A-Coil that was exposed to the ultraviolet light was clean and clear of mold growth. Mold continued to grow unabated on the side without UV. Subsequently, the contaminated side was bathed in UV light and the mold was eradicated. Kane summarized the results: "Properly positioning a UV lamp over the A-Coil in a residential or commercial air conditioning system can eliminate surface mold on the coil and prevent future mold growth as well."

Surface Test Results



A-Coil



With UV-Aire® Without UV-Aire®

Installing UV-Aire near the coil helps keep the coil clean and eliminates toxic biofilm buildup. The HVAC system will operate more efficiently and reduce AC operating costs.

UV-Aire air purifiers in the Lab

We have three independent studies on the efficiency and effectiveness of the UV-Aire. For details, contact us or go to fieldcontrols.com and search "How Effective is UV for Air Purification?" and download the report.

Airborne Testing: Single Pass and Cumulative Tests

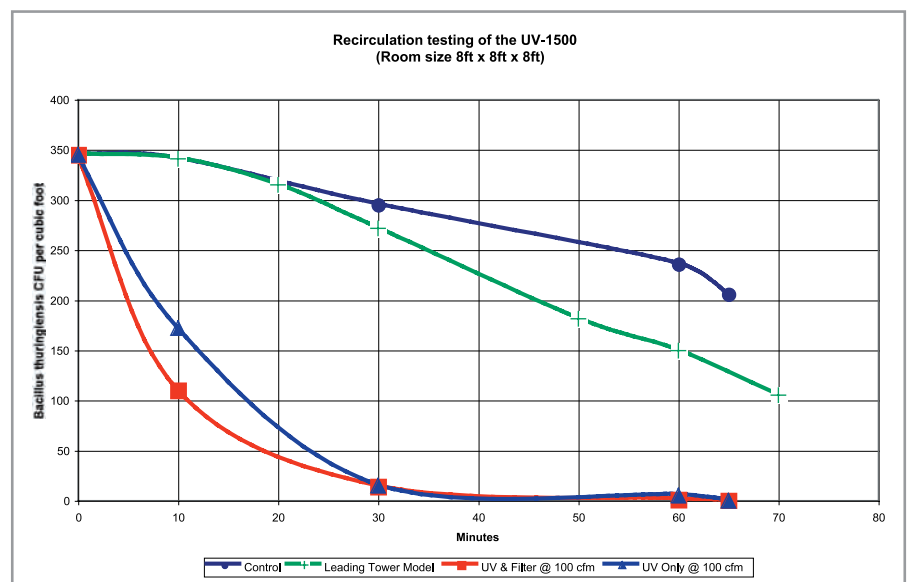
Bacteria and viruses are introduced into the building by its occupants and often cannot be controlled at the source. Therefore, it is important to attack these airborne invaders early and often, before they have an opportunity to multiply. The single pass test proves that UV effectively neutralizes these airborne microorganisms in the duct. Since HVAC systems typically re-circulate the air 75-150 times per day, a multi-pass, cumulative test was also conducted. Results demonstrate that repeated, multipass exposure to UV light dramatically reduces the concentration of bacteria and viruses throughout the home.

Single Pass Test: UV Deadly for Airborne Microbes

This study introduced a common bacterium into a galvanized air duct equipped with a UV light to determine how effective the lamp would be in reducing the bacteria with one exposure, or a “single pass”. The tests were conducted at two speeds: 1125 cfm and 2250 cfm in an 18” x 18” duct. The UV lamp yielded at least a 90% reduction of the test bacteria with a single airflow pass at 1125 cfm and at least 71% reduction at 2250 cfm.

Cumulative Test: Multiple Exposures Dramatically Improve IAQ

To further investigate the effectiveness of UV on indoor air quality, Microbe Management created a series of tests designed to measure the cumulative effect of UV in reducing airborne contaminants. The test was performed in a structure with two isolated 8’ x 8’ x 8’ rooms where air could be sampled. In the control room, no UV was present, while the other room utilized a portable UV air purifier. According to Bernard Kane, Ph.D., of Microbe Management, “Test results were very encouraging. In both rooms, we introduced a resistant, spore-forming bacteria until the air was saturated with 350 colonies per cubic foot. In the room with the portable UV unit, the spore count was reduced by 50% in just 10 minutes and by 98% within 30 minutes. In the control room, without UV, more than 85% of the bacteria were still active after thirty minutes.” Similarly, the leading consumer UV “tower” model was also tested, but showed only minimal effectiveness. (See chart)



Conclusion: UV is an Effective Part of “Whole House” Solution

A-Coil irradiation, single pass, and cumulative tests confirm that UV is an important and effective contributor to a healthier home environment. UV technology used with a quality filter (MERV rated 8 or higher) will dramatically improve Indoor Air Quality. Additionally, portable units can be used in combination with in-duct models. This combination is strongly recommended for individuals with depressed immune systems, asthma, allergies, or other respiratory conditions. For homes without forced air, portable UV air purifiers are recommended to enhance IAQ. Also, health care professionals, teachers, and day-care workers can benefit from additional UV protection from influenza and other viruses.

UV-Aire® Air Purifier Models

UV-Aire whole house air purifiers feature a powerful, energy efficient UVC germicidal lamp. The compact design allows for easy installation in tight spaces. With over 9 models to choose from and over 100,000 units sold, UV-Aire purifiers are proven to be reliable, durable and effective. There are a variety of units to choose from and all units are UL listed. To maximize effectiveness, UV lamps should be replaced every two years.

How It Works

UV-Aire whole house air purifiers use the energy from a specially designed, high-intensity UVC germicidal lamp to reduce microorganisms in indoor air as they cycle through the HVAC system. Mounted inside the ductwork, the UV-Aire neutralizes germs as they flow through the treatment zone.

UV's effectiveness in neutralizing bacteria is directly related to the microorganism's exposure time. Indoor air in a typical residential HVAC system will be recirculated 75-150 times a day. With a UV generating lamp mounted in the HVAC duct, cumulative exposure can be effective in controlling indoor bacteria, viruses, mold and other airborne contaminants.

While Field Controls UV-Aire air purifiers reduce airborne germs, they also keep A-Coils clean. A-Coils are in moist dark places, the perfect breeding ground for mold and toxic biofilm that releases germs into the air each time the system cycles. When a UV lamp is placed near the A-Coil it keeps the coil clean, allowing the AC system to run efficiently which saves on energy costs, reduces maintenance, and extends the life of the equipment.

UV-16/24, UV-16/120

- 120 volt or 24 volt with plug-in transformer
- Compact design
- Built-In Twist-n-Lock safety switch
- E-Z lamp replacement
- Includes deflector shield
- Ballast mounted in the power head. Eliminates need for mounting and wiring of ballast to the UV bulb



UV-12, UV-18, UV-28

- Hinged cover for easy accessibility
- Includes patented angle bracket and duct board mounting kit
- Installs easily and plugs into a standard 120v outlet



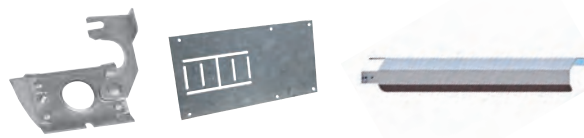
UV-18X Dual Lamp

- Double lamp maximizes intensity and effectiveness up to 4,000 sq. ft.
- Includes patented angle bracket and duct board mounting kit



All Models Include:

Patented Angle Bracket, Duct Board Mounting Kit, and Deflector Shield.



For detailed installation options, see pg 30.

UV-Aire In-Duct Model Specifications

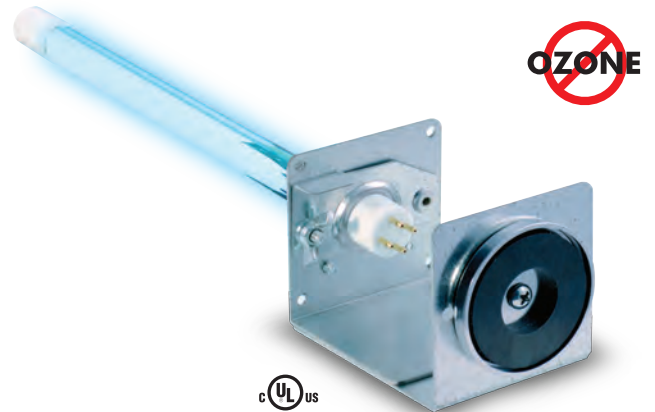
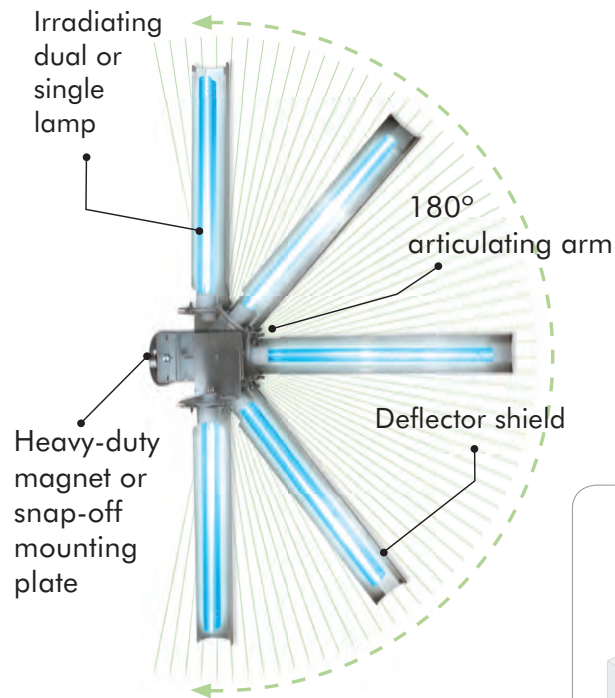
Model	Minimum Duct Width (inches)	Sizing (tons)	Voltage	Lamp Wattage	Lamp Intensity ($\mu\text{W}/\text{cm}^2 @ 1\text{m}$)	Lamp Life Efficiency
UV-12	9	1.5 to 3.0	120	30	37	2 years
UV-18	14	1.5 to 5.0	120	30	73	2 years
UV-28	22	1.5 to 5.0	120	60	105	2 years
UV-18X	14	1.5 to 5.0	120	60	2 at 73	2 years
UV-16/120	16	1.5 to 5.0	120	30	62	2 years
UV-16/24	16	1.5 to 5.0	24	30	62	2 years

FlexMountUV™

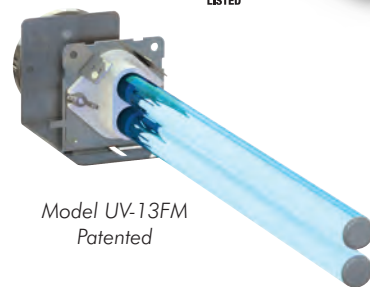
Versatile and Economical UV Protection

The FlexMountUV is designed for fast, flexible, easy installation into virtually any forced air ductwork to maximize HVAC operating effectiveness and significantly reduce germs, bacteria, and mold spores in the home.

- Installs fast with mounting magnet or snap-off mounting plate option
- High output single and dual UVC lamp models
- Patented 180° articulating bracket
- Includes deflector shield, ballast, and water resistant cable
- Ideal for applications where mounting space is limited and penetration of equipment jacker is undesirable



Model UV-12FM
Patented

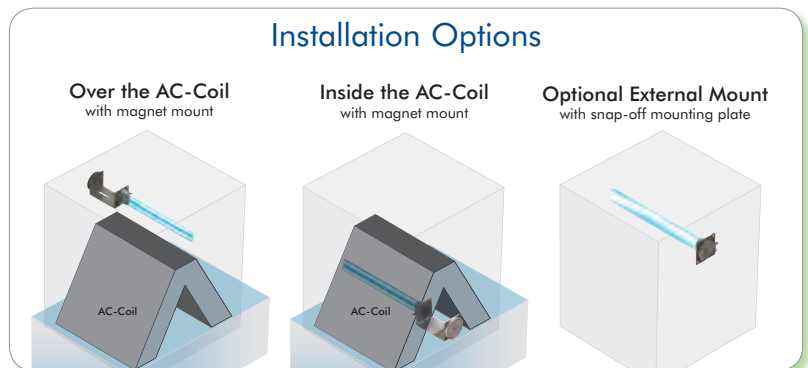


Model UV-13FM
Patented

Includes:
Lamps, Deflector Shield,
and Remote Ballast.



Installation Options



FlexMountUV™ Model Specifications

Model	Lamp Configuration	Lamp Length (Inches)	Voltage	Lamp Wattage	Lamp Intensity ($\mu\text{W}/\text{cm}^2@1\text{m}$)	Sizing (tons)	Lamp Life Efficiency	Transformer Required
UV-12FM	Single Lamp	11.9	24	15	43	1.5 to 3.0	2 year	20VA
UV-13FM	Twin Lamp	12.6	24	24	65	1.5 to 3.0	2 year	40VA
UV-14.5FM	Single Lamp	14.1	24	17	54	1.5 to 5.0	2 year	20VA
UV-17FM	Twin Lamp	16.3	24	36	110	1.5 to 5.0	2 year	50VA

FRESH

PRO-CELL™ PERFORMANCE
& APPLICATIONS

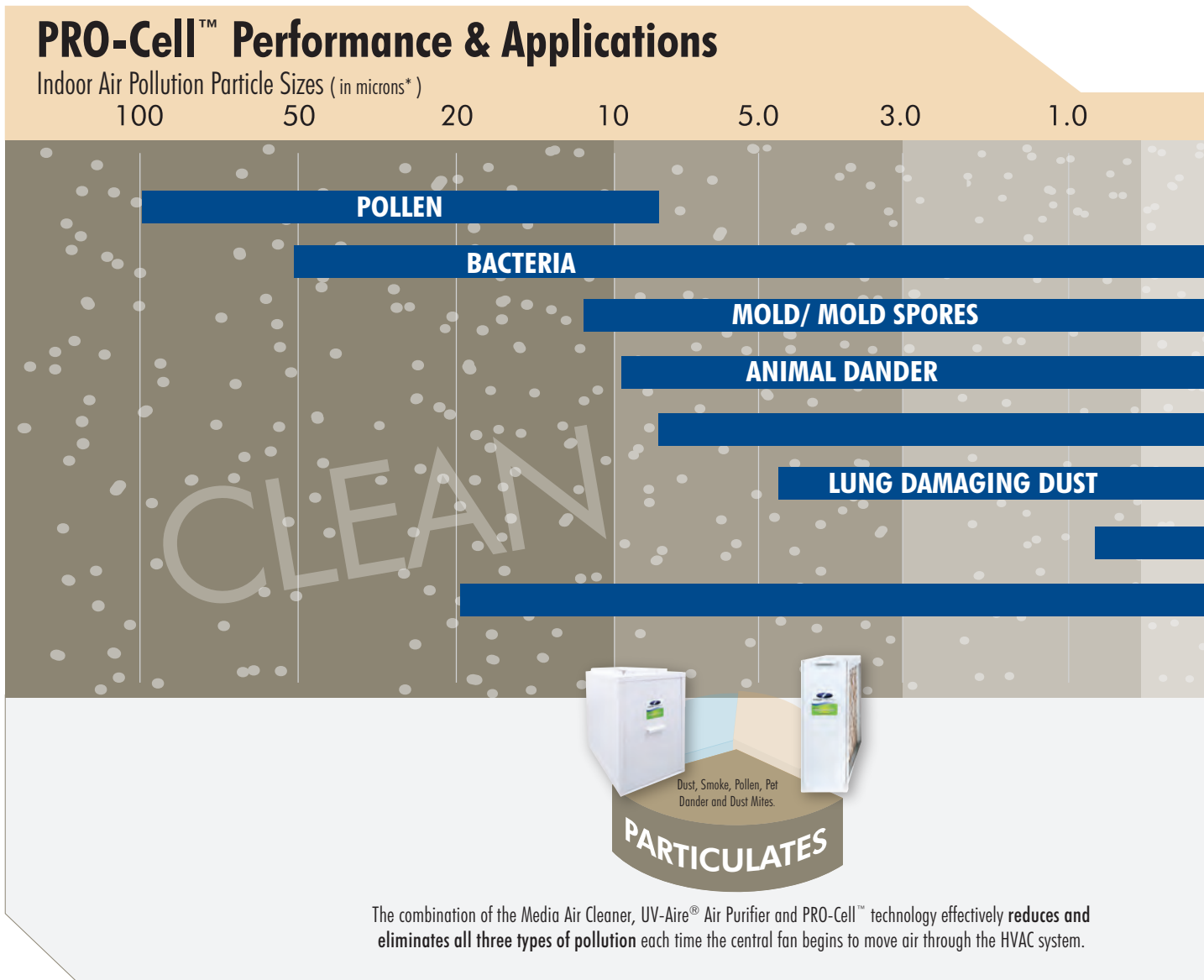


Remove Odors and VOCs

As part of the Healthy Home System®, PRO-Cell™ PCO technology works with the Healthy Home System Control to produce FRESH air in the home all year round... even when not heating or cooling.

What is PCO?

Photo Catalytic Oxidation is a chemical reaction that utilizes a catalyst and a form of activation energy to break down complex and often toxic organic compounds into simple, safe molecules, namely carbon dioxide and water. A catalytic converter on an automobile is an example of this process to reduce smog. Toxic gasoline by-products that would contribute to smog are converted, under pressure and heat, into safe and breathable carbon dioxide and water vapor. PCO technology is effectively used in hospitals, airports, retail stores, casinos, commercial offices and homes.



The combination of the Media Air Cleaner, UV-Aire® Air Purifier and PRO-Cell™ technology effectively **reduces and eliminates all three types of pollution** each time the central fan begins to move air through the HVAC system.

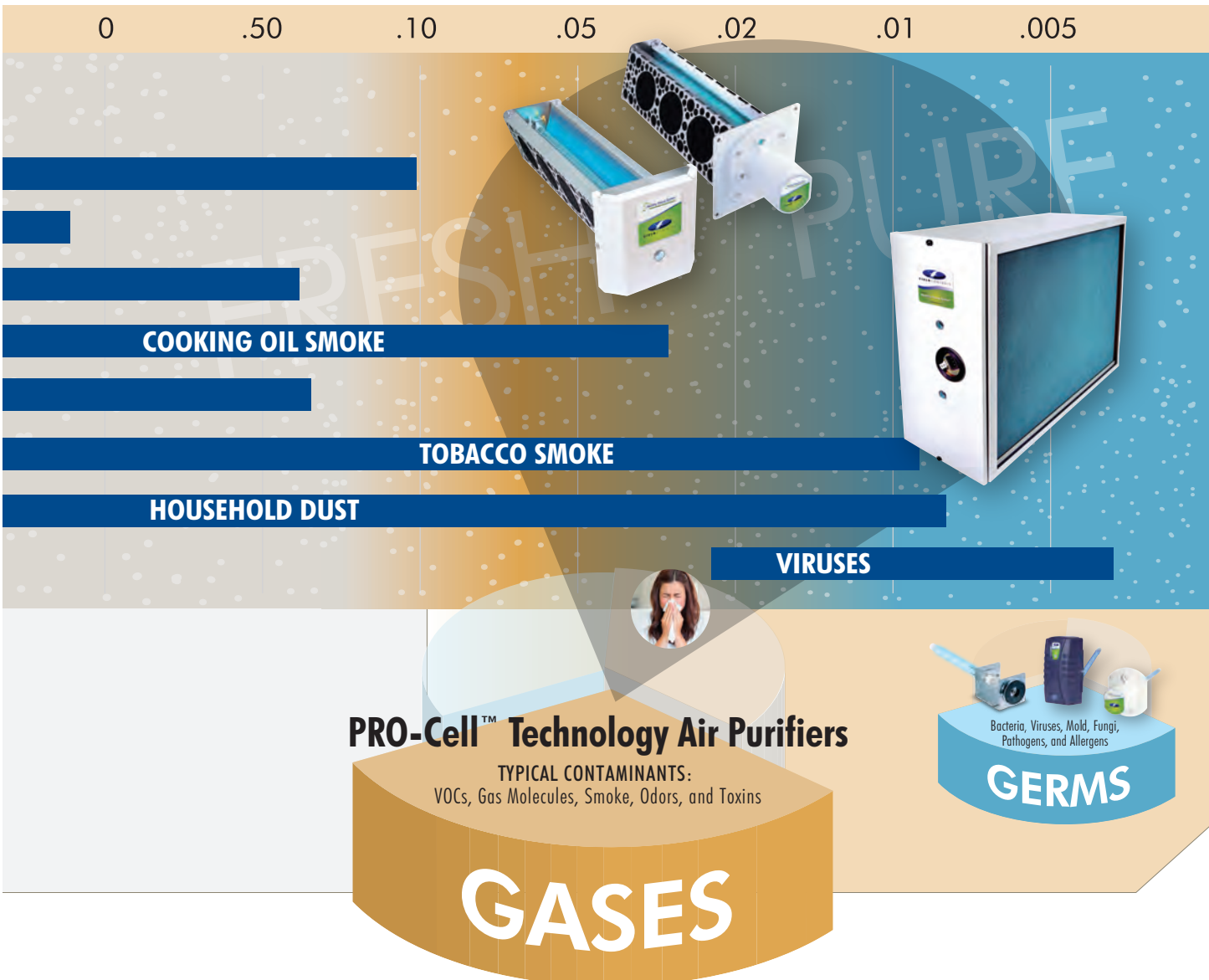
* One micron = .000039 inches

** MERV (Minimum Efficiency Reporting Value)

What is PRO-Cell™ technology?

PRO-Cell™ is an advanced, patented form of PCO used for indoor air treatment. PRO-Cell technology uses titanium dioxide coated honeycomb aluminum as a catalyst to maximize surface area and contact time. The powerful UV light acts as the activation energy to efficiently trigger the PCO reaction. When harmful VOCs, gaseous contaminants, and odors contact the catalyst surface, they are converted to harmless, odor-free water vapor and carbon dioxide.

Keep the air moving through the treatment zone with the HHSC+ Control



PRO-Cell™ Technology Air Purifiers
 TYPICAL CONTAMINANTS:
 VOCs, Gas Molecules, Smoke, Odors, and Toxins

GASES

GERMS

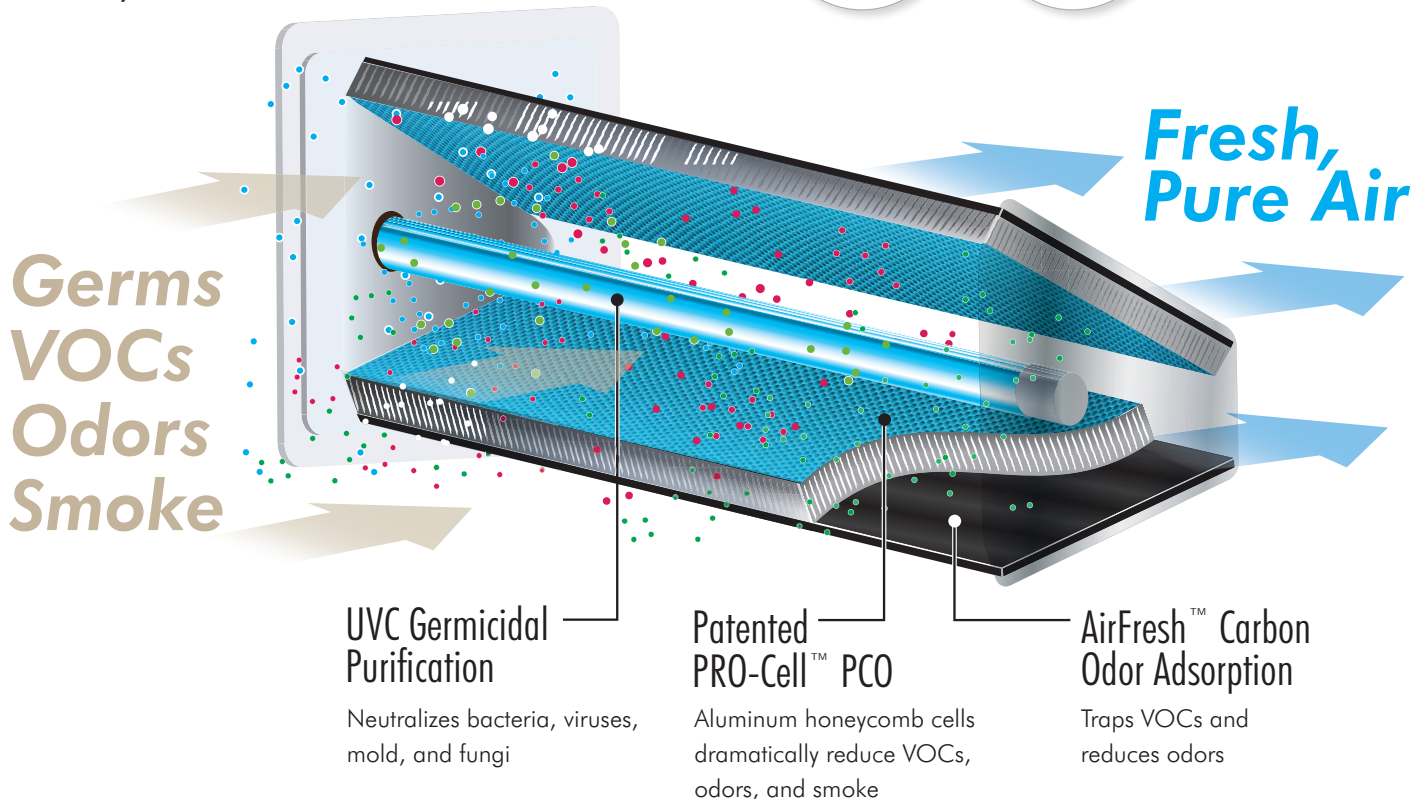


Reduce Odors and VOCs

The Duo Air Purification System combines AirFresh™ Carbon Odor Adsorption with PRO-Cell™ Technology and UVC germicidal light so indoor air is Pure and Fresh. A powerful UVC germicidal light neutralizes airborne bacteria, viruses, mold and fungi. The patented PRO-Cell™ technology, our exclusive Photo-Reactive Oxidation process, neutralizes odors and VOCs; and AirFresh Carbon Odor Adsorption traps lingering odors.

The PRO-Cell core is maintenance-free and never needs replacing. The Healthy Home System Duo can be installed over the A-Coil, in the return, or in the supply duct of any HVAC system.

- AirFresh™ Carbon Odor Adsorption
- Powerful UVC germicidal light
- Patented PRO-Cell™ Technology
- Five models (120V or 24V)
- Available in 11", 14" and 16"
- Compatible with existing duct work
- Virtually maintenance free
- Easy to install

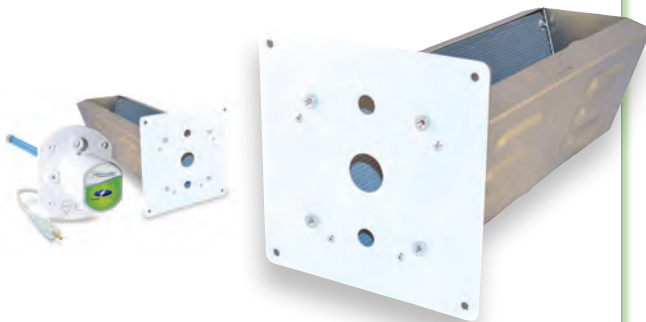


How it Works

When the patented aluminum honeycomb cells are exposed to UVC light, the PRO-Cell's extensive surface area transforms the odors and volatile organic compounds (VOCs) into harmless, odorless water vapor and carbon dioxide.

PRO-Cell™ Upgrade Kit for UV-16

Transform UV-16 air purifiers to PRO-Cell technology by adding the PCUV-16UA PRO-Cell™ Upgrade Assembly. Boost the UVC germicidal performance with the UV-16 and PRO-Cell™ Technology to reduce gaseous airborne contaminants, toxins, and odors.



Healthy Home System® products do not generate ozone.

Ozone is a toxic gas which can damage the lungs. Even small amounts can cause chest pain, coughing, shortness of breath, and throat irritation.



Ozone may also worsen chronic respiratory diseases such as asthma, and compromise the ability of the body to fight respiratory infections.

Beware of Misleading Terms

- Energized oxygen
- Singulet oxygen
- Plasma
- Activated oxygen
- Friendly oxidizers
- Ionization

Ozone by any other name is still ozone.

Visit the EPA's website for more information
www.epa.gov/iaq/pubs/ozonegen.html

For installation options, see page 30.

Healthy Home System Duo Whole-House Air Purifier Model Specifications

Model	Sizing (tons)	Voltage	PRO-Cell™ Surface Area (sq. in.)	In-Duct Dimensions	Lamp Wattage	Lamp Intensity (μW/cm²@1m)	Static Pressure (in WC)	Lamp Life Efficiency
Duo-2000	1.5-5.0	120/230	3,500	17 ¾"	50	135	.02	2 years
Duo-11/24V	1.5-3.0	24	2,200	11"	15	43	.015	2 years
Duo-14/24V	1.5-4.0	24	2,600	13"	17	57	.017	2 years
Duo-16/24V	1.5-5.0	24	3,100	15"	30	62	.02	2 years
Duo-16/120V	1.5-5.0	120	3,100	15"	30	62	.02	2 years

Optional PRO-Cell™ Upgrade Assembly

Model	Sizing (tons)	PRO-Cell™ Surface Area (sq. in.)	Bioaerosol and VOC Reduction	Static Pressure Performance	Application
PCUV-16UA	1.5-5.0	3,110	93.7%	.02 inWC @ 2000cfm	UV-16 Model Upgrade

FRESH

HEALTHY HOME SYSTEM TRIO



Three Stage Air Purification

The Trio 1200 and Trio 2000 air purification systems combine three unique and effective technologies to protect against indoor air pollutants:

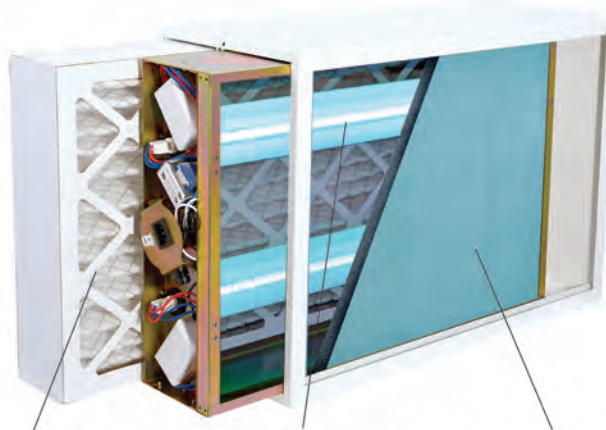
- PRO-Cell™ is a patented Photo-Reactive Oxidation process that transforms the odors and volatile organic compounds (VOCs) into harmless, odorless water vapor and carbon dioxide.
- UV-Aire® germicidal light eliminates airborne bacteria, viruses, mold and fungi.
- MERV 13 media filters efficiently capture particles and feature depth loading to minimize pressure drop.

The combined effect of these three technologies delivers unparalleled performance in reducing toxic gases and odors, particles that trigger allergies and asthma, and viruses, bacteria and mold that cause illnesses.



Trio-1200
Patented

Trio-2000
Patented



- 1 MERV 13 high efficiency filter
- 2 Two UVC germicidal lamps and magnifying reflectors for maximum microbial reduction
- 3 Maintenance-free PRO-Cell™ panel eliminates toxic VOCs and odors

- 3 stage design with exclusive PRO-Cell™ Technology
- Easy to install
- Permanent maintenance-free catalyst
- For systems up to 5.0 tons
- 2 year lamp life efficiency

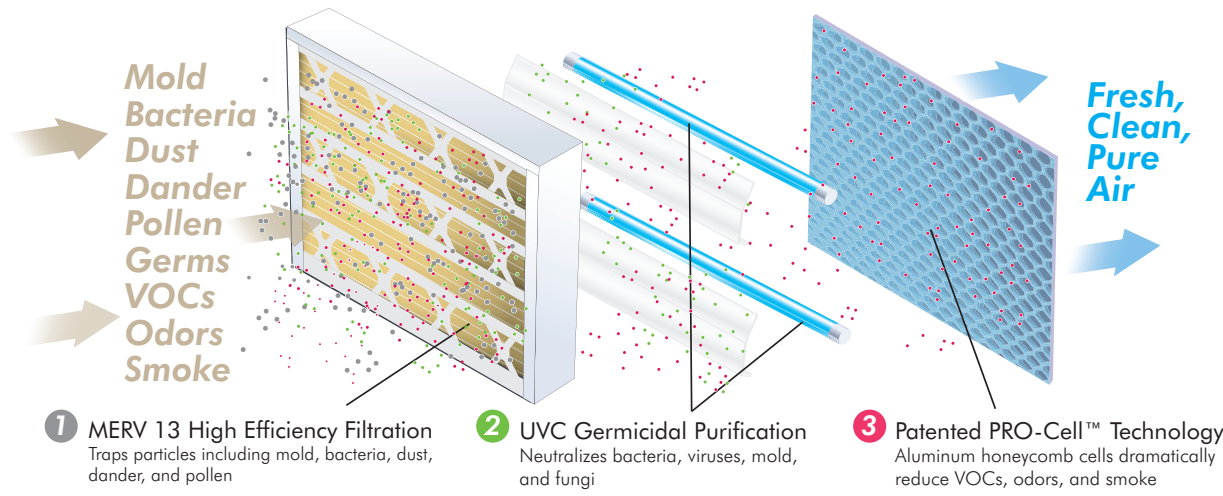
For installation options, see page 30.

How it Works

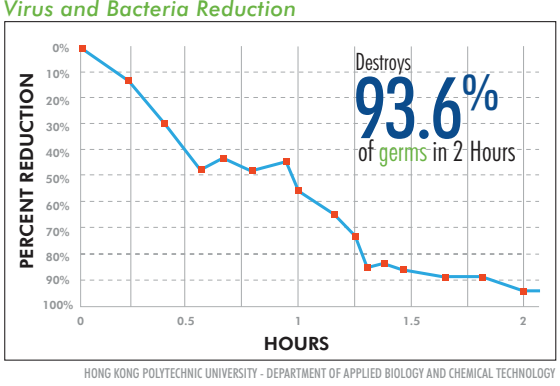
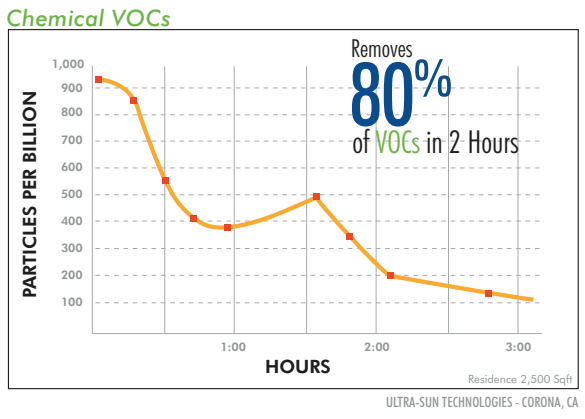
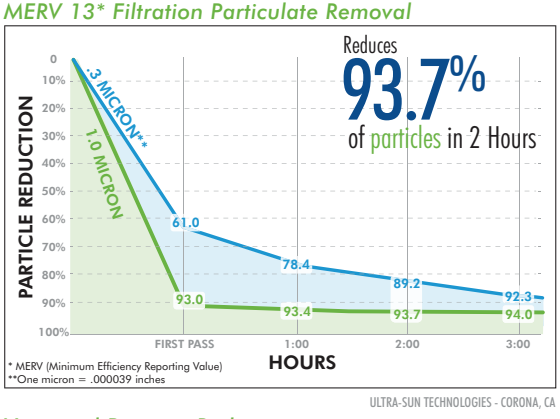
As air enters the Trio, it is filtered with a MERV 13 filtration media. This pleated 4 inch filter traps particles as small as .3 micron including mold, bacteria, dust, dander, and pollen. After the filter, the air must pass through an ultraviolet C (UVC) germicidal treatment zone and two powerful 24" UVC germicidal lamps. These lamps neutralize airborne microbes such as bacteria, viruses, mold, and fungi.

The final phase uses patented PRO-Cell™ technology, our exclusive Photo Catalytic Oxidation process. When the patented aluminum honeycomb cells are exposed to the UVC germicidal light, the PRO-Cell's extensive surface area transforms odors and volatile organic compounds (VOCs) into harmless, odorless water vapor and carbon dioxide.

Three Stage Process



Independent Testing



Healthy Home Trio Model Specifications										
Model	PRO-Cell™ Surface Area (sq. in.)	Sizing (tons)	Voltage	Lamp Wattage	Lamp Intensity (μW/cm²@1m)	Static Pressure Performance	MERV 13 Filter (inches)	MERV 13 Efficiency Particulate Reduction at .30 microns	Dimensions (inches)	Lamp Life Efficiency
Trio-1200	8,065	1.5 to 3.0	120	2 at 25	2 at 70	.30 in WC @1,200 cfm	16H x 25W x 4D	92.30%	17H x 25W x 10D	2 years
Trio-2000	10,080	2.5 to 5.0	120	2 at 25	2 at 70	.32 in WC @1,600 cfm	20H x 25W x 4D	92.30%	21H x 25W x 10D	2 years

FRESH

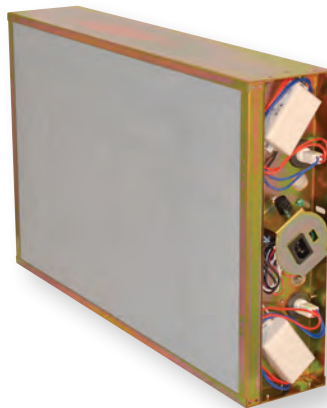
TRIOMAC MEDIA AIR CLEANER WITH PRO-CELL™ UPGRADE

Media Air Cleaner with PRO-Cell™ Upgrade Kit

The TrioMAC is a whole house air filtration system that can be upgraded at any time with our PRO-Cell™ air purification module for maximum whole-house protection. The TrioMAC comes with a MERV 13 filtration media. This pleated 4 inch filter traps particles as small as .3 micron including mold, bacteria, dust, dander, and pollen.

Upgradable PRO-Cell™ Kit

Add the optional PRO-Cell upgrade kit to neutralize airborne microbes such as bacteria, viruses, mold, and fungi. After the filter, the air must pass through an ultraviolet C (UVC) germicidal treatment zone and two 24" UVC germicidal lamps.



The final phase uses patented PRO-Cell™ technology, our exclusive Photo Catalytic Oxidation process. When the patented aluminum honeycomb cells are exposed to the UVC germicidal light, the PRO-Cell's extensive surface area transforms odors and volatile organic compounds (VOCs) into harmless, odorless water vapor and carbon dioxide.

The PRO-Cell core is maintenance-free and never needs replacing. The TrioMAC can be installed over the A-Coil, in the return, or in the supply duct of any HVAC system.



Features

- Super Tight HeavySeal™
- Easy media filter replacement
- Installs into ducted central heating and air conditioning system
- Optional PRO-Cell™ Technology Upgrade Kit
- Robust heavy duty metal construction
- High efficiency MERV 13 filter traps particles as small as .3 micron, including pollen, dust, mold, and dander
- Perfect for any residential or commercial forced air heating or cooling system up to five tons

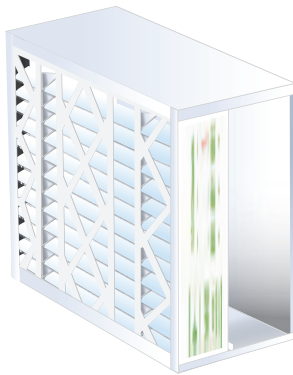


For installation options, see page 30.

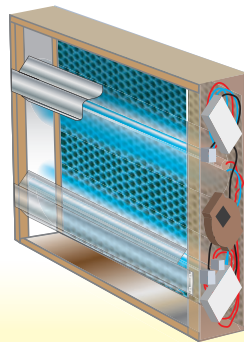
How it Works

The Field Controls TrioMAC Media Air Cleaner cabinet is installed in the return air duct of the forced air system prior to the furnace and air handler. As air passes through the system, airborne particles are trapped within the filter media. Unlike traditional filters, our Media Air Cleaner is able to trap up to 100 times more while maintaining efficiency and arrestance ratings in compliance with ASHRAE Standard 52.2. The PRO-Cell Module Upgrade Kit slides in beside the MERV 13 filter.

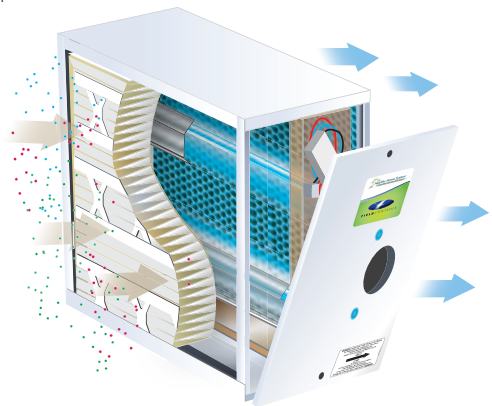
- 1** MERV 13 High Efficiency Filtration
Traps particles including mold, bacteria, dust, dander, and pollen



- 2** Patented PRO-Cell™ Technology
Two UVC germicidal lamps and magnifying reflectors for maximum microbial reduction. Maintenance-free PRO-Cell™ panel eliminates toxic VOCs and odors.



Clean, Pure Air

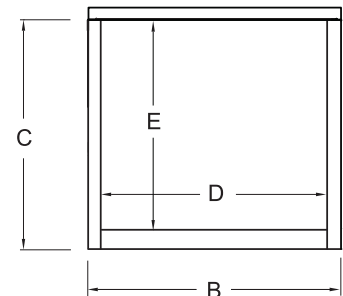
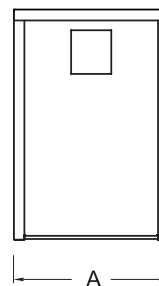


OPTIONAL

Add the TrioMAC PRO-Cell™ Upgrade Kit to maximize whole-house purification performance.

Cabinet Dimensions (inches)

Model	A	B	C	Duct Opening	
				D	E
TrioMAC-1625M13	10	25	17	22 7/8	15
TrioMAC-2025M13	10	25	21	22 7/8	19



TrioMAC Media Air Cleaner Model Specifications

Model	Part #	Media Size (inches)	Rated Air Flow (cfm)	MERV Rating	Replacement Media Model	Replacement Media Part #
TrioMAC-1625M13	60520002103	15½ H x 24½ W x 3¾ D	600 - 1,200	13	TrioRM13-1625	46636600
TrioMAC-2025M13	60520002203	19½ H x 24½ W x 3¾ D	600 - 2,000	13	TrioRM13-2025	46636500

Optional TrioMAC PRO-Cell™ Module Upgrade Kit

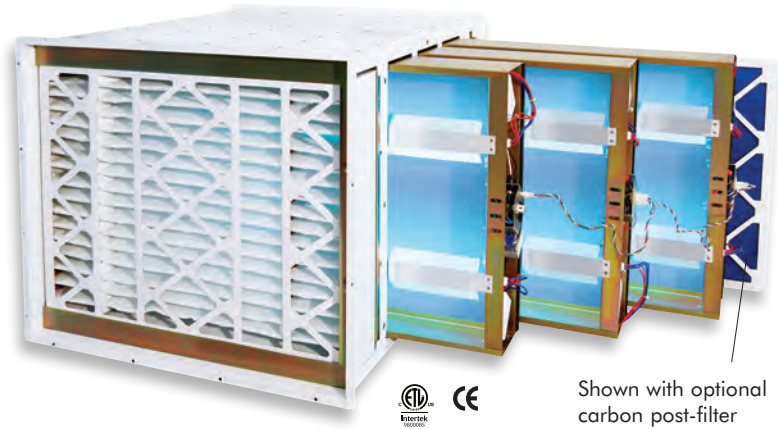
Model	PRO-Cell™ Surface Area (sq. in.)	Sizing (tons)	Voltage	Lamp Wattage	Lamp Intensity (µW/cm²@1m)	Static Pressure Performance	Lamp Life Efficiency
TrioMACM-1625UK	8,065	1.5 to 3.0	120	2 at 25	2 at 70	.30 in WC @1,200 cfm	2 years
TrioMACM-2025UK	10,080	2.5 to 5.0	120	2 at 25	2 at 70	.32 in WC @1,600 cfm	2 years

FRESH

CUBE: PACKAGED & CUSTOM AIR TREATMENT SOLUTIONS

Commercial Air System

The Cube is designed for use in any environment where harmful odors, volatile organic compounds (VOCs), viruses or other airborne contaminants are a concern. The Cube's effectiveness is multiplied in recirculating HVAC systems where the air quality improves with each pass. Standard configuration includes one MERV 13 high efficiency filter, three patented PRO-Cell™ PCO modules, and one additional slot for an additional post-filter.



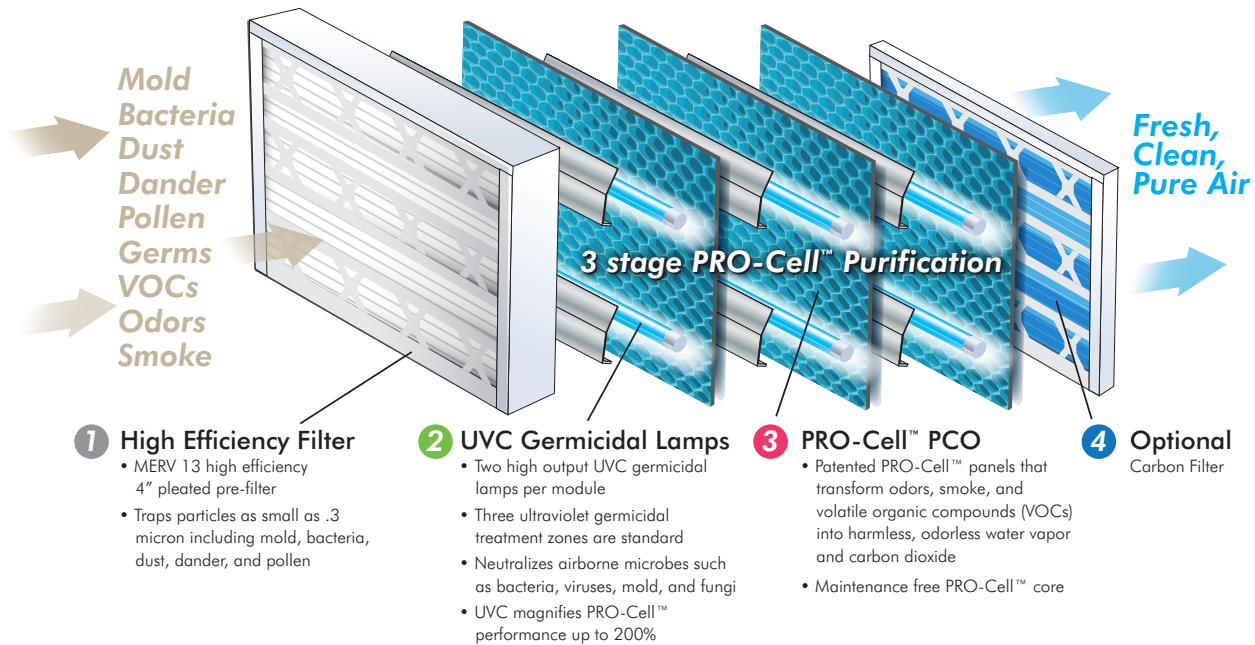
System Options

Recirculating systems can be outfitted with an optional post filter to trap targeted gases or with an all-purpose charcoal filter to further control odors.

Exhausting systems can be outfitted with a third PRO-Cell™ module to eliminate odors emitted outside the building.

Typical commercial applications include:

- Printing Companies
- Nail & Hair Salons
- In Vitro Fertilization Clinics
- Schools
- Clean Rooms
- Laboratories
- Medical Clinics
- Pet Stores
- Vet Hospitals
- Fabric and Carpet Stores
- Health Clubs
- All Environments with Inks, Solvents, and VOC-Generating Chemicals



Packaged Solution Model Specifications

Model	PRO-Cell™ Surface Area (sq. in.)	Sizing (tons)	Voltage	Lamp Wattage	MERV 13 Filter (inches)	MERV 13 Efficiency Particulate Reduction at .30 microns	Dimensions (inches)	Lamp Life Efficiency
Cube	600 - 1,400	6.0	120	6 at 25	20 H x 25 W x 4 D	92.30%	23 H x 31 W x 29 D	2 years



Portable Indoor Air Protection

The Trio Portable includes multi-stage filtration and PRO-Cell™ Technology, odor and VOC reduction. The Trio Portable is ideal for bedrooms, nurseries, dorm rooms, living spaces, offices or any room where extra protection is needed.

- Four stages of filtration, including HEPA, trap dust, dander, pollen, and other airborne particles.
- High intensity UVC germicidal lamp neutralizes and reduces airborne mold, bacteria, and viruses.
- Patented PRO-Cell™ Technology transforms odors and VOCs into fresh, breathable air.
- VOC sensor automatically increases the fan speed when harmful gases are present.



Trio Portable
TRIO-1000P

Reduces up to
99.9%
of particles on
first pass

93.6%
Bacteria reduction
in 2 hours

98.2%
VOC Reduction
in 3 hours



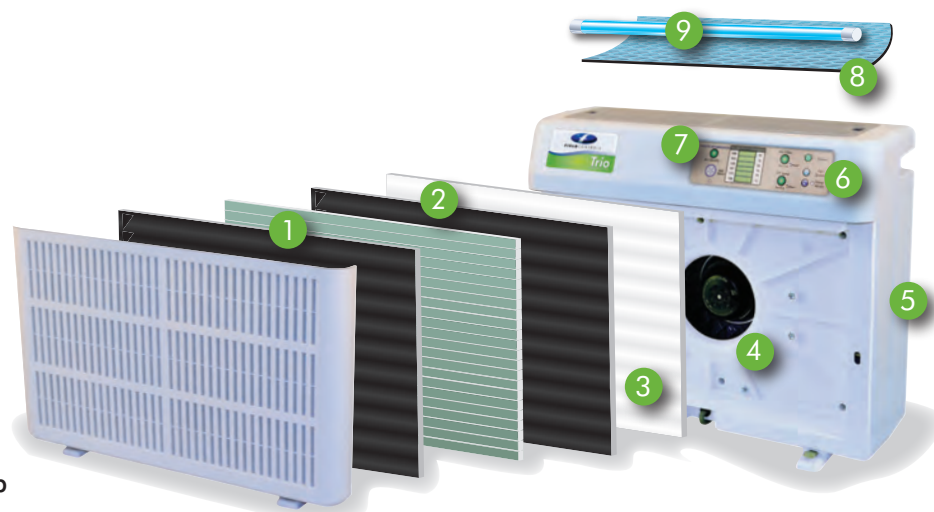
How it Works

The Trio includes four stages of filtration to ensure air is clean. The pre-filter collects particles as small as 5.0 microns, while two layers of charcoal activated filters remove odors and smoke. The final stage of filtration is hospital grade HEPA media that traps tiny microscopic particles as small as 0.3 microns such as dust, dander, and pollen.

Bacteria, viruses, mold, and fungi are neutralized by a high output UVC germicidal lamp. Before exiting the Trio, air passes through the patented PRO-Cell™ and transforms odors and VOCs into harmless, odorless water vapor and carbon dioxide, making the Trio Portable one of the most effective air purifiers on the market.

Features

- 1 First gas absorption layer
- 2 Second gas absorption layer
- 3 Hospital grade HEPA filter
- 4 High efficiency, ultra quiet, variable speed fan
- 5 High impact ABS plastic
- 6 Particle sensor
- 7 VOC sensor
- 8 PRO-Cell™ Photo-catalytic converter
- 9 High output UVC germicidal lamp



Trio Portable Model Specifications

Model	Sizing (sq. ft.)	Voltage	Lamp Wattage	Lamp Intensity ($\mu\text{W}/\text{cm}^2$ @ 1m)	Dimensions (inches)	Lamp Life Efficiency
TRIO-1000P	1,000	120	8	45	18H x 21½W x 8D	1 year

REPLACEMENT PARTS

IAQ SYSTEMS

UV-AIRE® AIR PURIFICATION BALLAST

MODEL	DESCRIPTION	PART #
UV-12	Ballast Assembly	46365508
UV-18	Ballast Assembly	46365509
UV-28	Ballast Assembly	46365513
UV-18X	Ballast Assembly	46365503
UV-E	Ballast Assembly	46365506
UV-C/HPC	Ballast Assembly	46365510
UV-HP	Ballast Assembly	46365513
UV-1500C	Ballast Assembly	46365514
UV-C	Circuit Board	46436300
UV-16/24	UV-16/24 Transformer	46529500
UV-13FM	Ballast Assembly	46635900
UV-17FM	Ballast Assembly	46635900

Ballast Assembly



Circuit Board



UV-16/24 Transformer



Ballast Assembly UV-13FM, 17FM



UVC Germicidal Lamp



Annual Replacement Kit UV-1500



Annual Replacement Kit UV-500



4 Pack Filter Kit UV-1500



4 Pack Filter Kit UV-500



Replacement Filter Set Trio-1000P



UVC Germicidal Lamp, Trio-1000P



Stage 1 Pre- Filter, Trio-1000P



Stage 2 HEPA Filter, Trio-1000P



Germicidal Lamp & Filter Set, Trio-1000P



UV-AIRE® AIR PURIFICATION LAMPS

MODEL	DESCRIPTION	PART #
UV-12, UV-1500C	UVC Germicidal Lamp 12"	46365401
UV-16/120, UV-16/24	UVC Germicidal Lamp 16"	46511200
UV-18	UVC Germicidal Lamp 18"	46365402
UV-28	UVC Germicidal Lamp 28"	46365403
UV-500C	UVC Germicidal Lamp 8"	46508000
TRIO-1000P	UVC Germicidal Lamp 11"	46649700
UV-13FM	UVC Germicidal Lamp 13"	46632513
UV-17FM	UVC Germicidal Lamp 17"	46632517

PORTABLE UV-AIRE® REPLACEMENT KITS

MODEL	DESCRIPTION	PART #
UV-1500RK	Annual Replacement Kit	46453600
UV-500RK	Annual Replacement Kit	46474500
UV-1500RF	4 Pack Filter Kit	46508300
UV-500RF	4 Pack Filter Kit	46507900
TRIO-1000P	Replacement Filter Set	46649600
TRIO-1000P	Stage 1 Pre-Filter	46649800
TRIO-1000P	Stage 2 HEPA Filter	46649900
TRIO-1000P	UVC 11" Germicidal Lamp & Filter Set	46650100



REPLACEMENT PARTS

IAQ SYSTEMS

HEALTHY HOME DUO

MODEL	DESCRIPTION	PART #
17.5LAMP	50w 18" Germicidal Replacement Lamp	46636300
BL013	High Output Temp. Compensating Ballast	46637100

Germicidal Replacement Lamp, Duo



Compensating Ballast



HEALTHY HOME TRIO

MODEL	DESCRIPTION	PART #
TrioRM8-1625	16" x 25" x 4" (3.75") MERV 8 Replacement Media for Trio 1200, 6 Pack Filter Kit	46678400
TrioRM11-1625	16" x 25" x 4" (3.75") MERV 11 Replacement Media for Trio 1200, 6 Pack Filter Kit	46636800
TrioRM13-1625	16" x 25" x 4" (3.75") MERV 13 Replacement Media for Trio 1200, 6 Pack Filter Kit	46636600
TrioRM8-2025	20" x 25" x 4" (3.75") MERV 8 Replacement Media for Trio 2000, 6 Pack Filter Kit	46678300
TrioRM11-2025	20" x 25" x 4" (3.75") MERV 11 Replacement Media for Trio 2000, 6 Pack Filter Kit	46636700
TrioRM13-2025	20" x 25" x 4" (3.75") MERV 13 Replacement Media for Trio 2000, 6 Pack Filter Kit	46636500
22LAMP	28w 22" Germicidal Replacement Lamps (two required)	46636400
BL014	Electronic Ballast	46636900
BL007	12 Volt Transformer	46637000
AL004	TiO2 Anatase PCO Honeycomb Catalyst for Trio 1200	46638300
AL006	TiO2 Anatase PCO Honeycomb Catalyst for Trio 2000	46638400

Replacement Media for Trio 1200 & 2000, 6 Pack Filter Kit



28w 22" UVC Germicidal Lamps, Trio



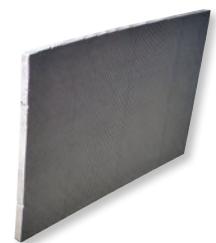
Electronic Ballast, Trio



12 Volt Transformer, Trio



PCO Honeycomb Catalyst for Trio 1200 & 2000

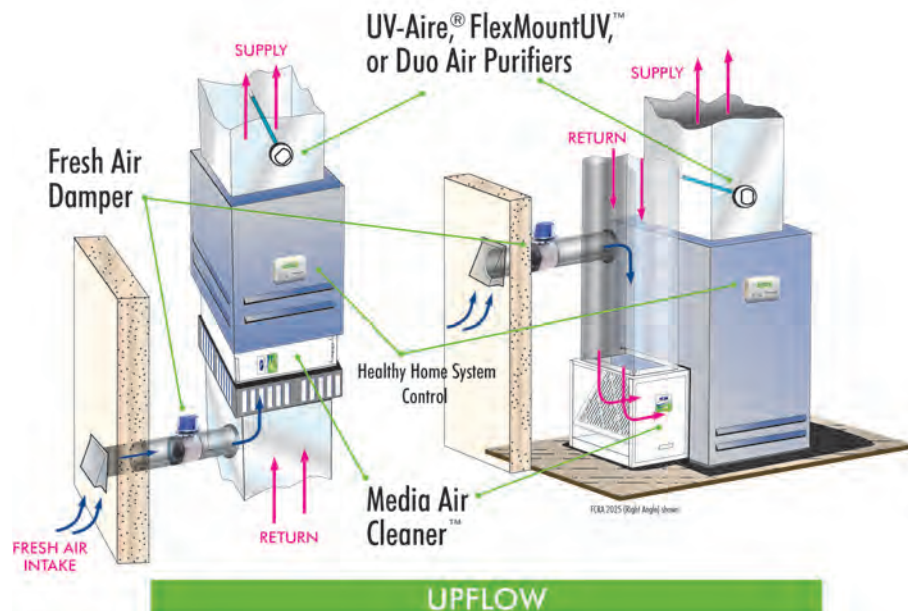
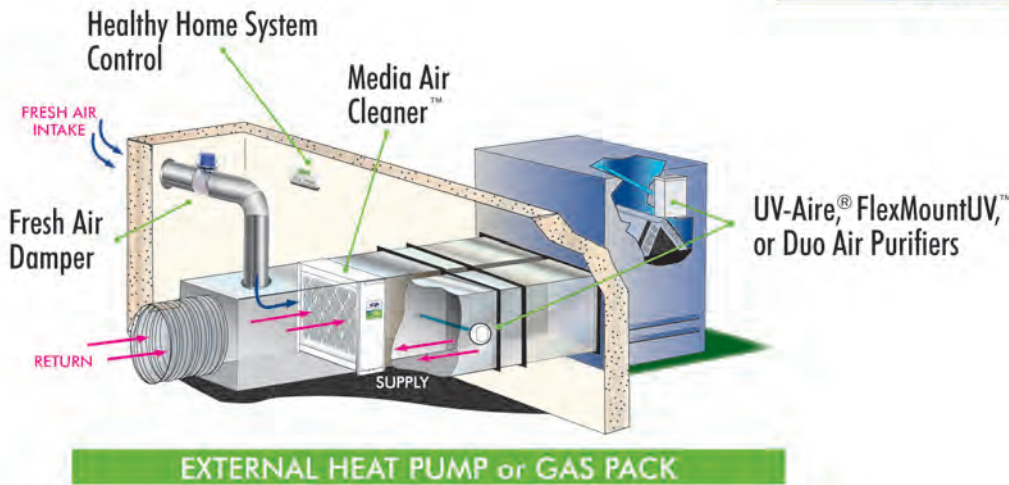
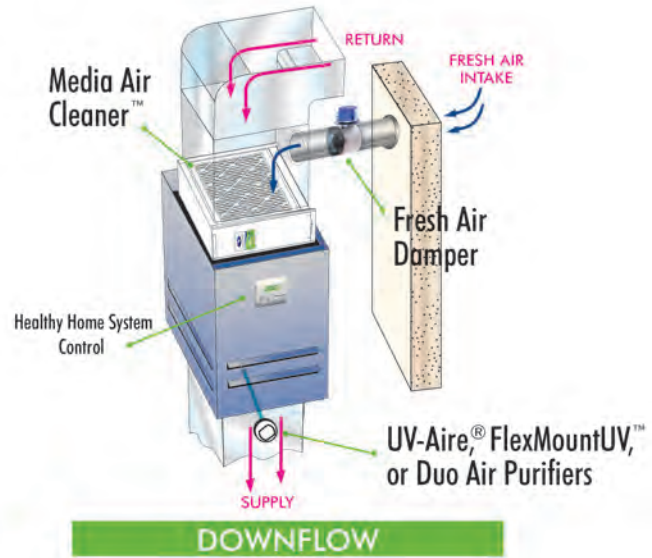


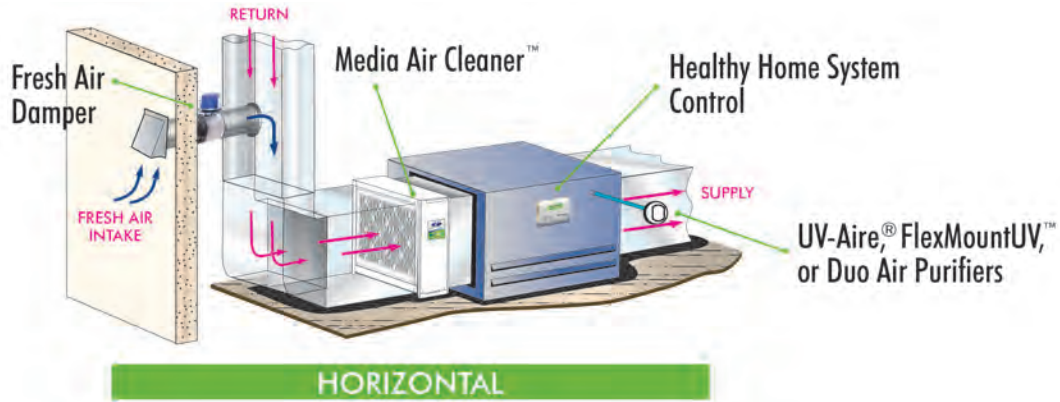
INSTALLATION

HEALTHY HOME SYSTEM®

The Healthy Home System works with virtually any forced air heating and cooling system. The Media Air Cleaner is installed before the air handler, and the UV-Aire, FlexMountUV or Duo is installed after or above the A-Coil. These illustrations show typical Healthy Home System component placement in the most popular types of forced air systems.

Note: For detailed installation instructions, refer to the Installation Manual for each component. Manuals are available online at fieldcontrols.com/manuals-diagrams.





UV-Aire In-duct Installation Options

The UV-Aire Air Purifiers can be installed in ducts nine inches and larger. Each unit comes with a duct board mounting kit and a patented angle bracket (except UV-16 models).

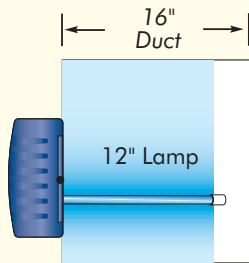
Note: When multiple lamps are used, spacing between lamps should be at least four inches. Angle option allows longer lamps to fit in smaller ducts.

Minimal Maintenance

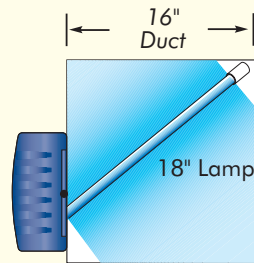
Even though a lamp will appear to be operating effectively because it still maintains the visible blue glow, ultraviolet output slowly decreases over time.

For optimal performance replace the UV lamp/bulb every year, at minimum every two years.

Good:
Standard installation

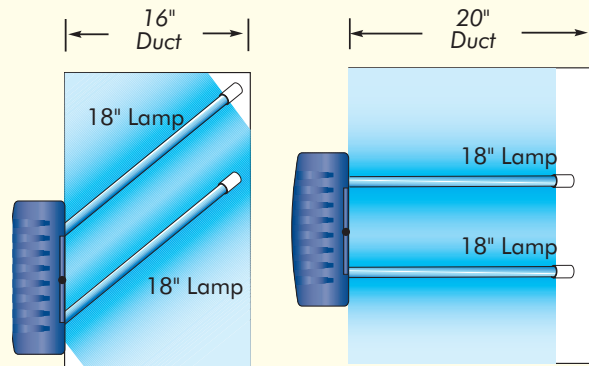


Better:
Patented angled installation single lamp



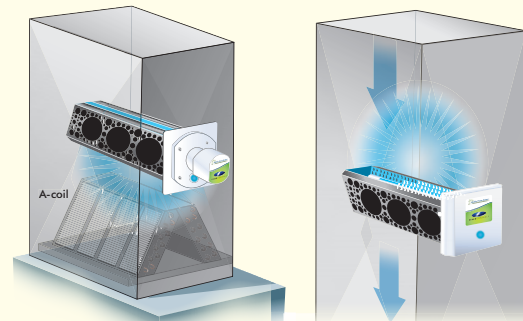
Best:

Two angled lamps or two lamps perpendicular



Duo Installation Options

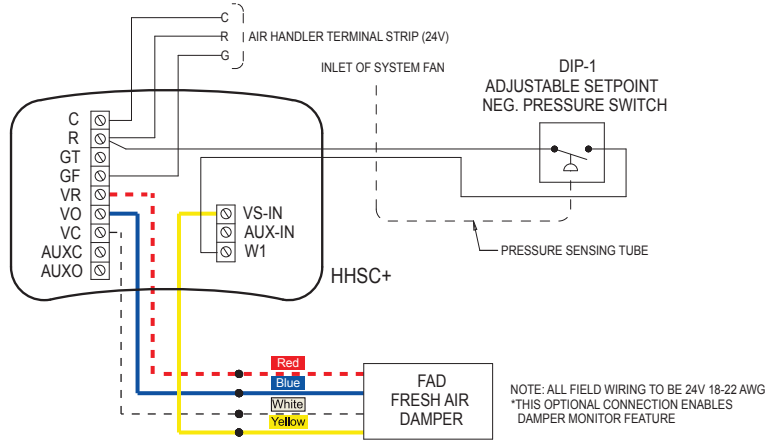
Healthy Home Duo models can be installed over the A-Coil or in the return or supply duct. Duo air purifiers are designed to fit into supply and return air ductwork as well as fit into HVAC systems. When selecting the installation location, verify sufficient room is available in system ductwork to accommodate the insertion length to maintain proper HVAC airflow.



WIRING DIAGRAMS

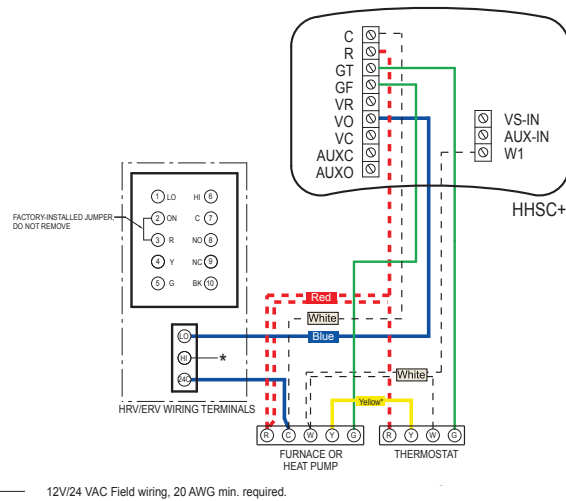
FOR FAS

FAD to Carrier Infinity® System or similar with communicating thermostat and variable speed motor



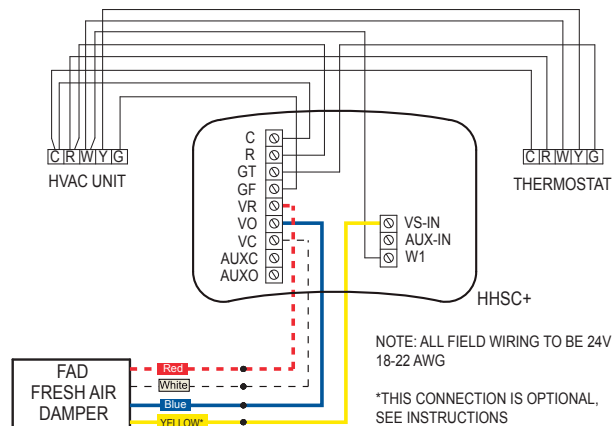
Other compatible systems:
 Bryant® Evolution®, Heil®
 Observer™ Systems, Tempstar®,
 Comfortmaker®, Arco Aire®.

HHSC+ to Energy Recovery Ventilator (ERV) and Heat Recovery Ventilator (HRV)



* V Terminal on the HHSC Control may be connected to the Hi Terminal (instead of Lo) if shorter ventilation periods are desired.

FAD-4, 5, 6, 7, 8, 10 to HHSC+



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Contractor Reference Guide

Since 1927, the focus of Field Controls has been the control and movement of air. We lead the industry in venting, combustion, and draft control. For the latest in venting, combustion, and draft control, ask for the Field Contractor Reference Guide. Your guide for product information, specifications, installation, wiring, and replacement parts.



Residential Ventilation Guide

Our full line of ventilation products offer controlled and balanced ventilation solutions for every home application. Included in the guide are models, specifications, and wiring diagrams for products ranging from ventilation controls and HRVs and ERVs, to Fresh Air Systems, whole house fans, and more. This guide provides home builders and HVAC contractors with reliable, practical, and proven ventilation solutions that meet code and satisfy homeowners' expectations for comfort, safety, and energy efficiency.

Healthy Hearth Guide

Field Controls expertise in air movement and control allowed us to develop the Flue Sentinel® line of products for a home's hearth. Flue Sentinel products operate automatically with any gas log system to ensure proper and safe venting. This guide will introduce you to our full one of hearth options.

