



INDOOR AIR QUALITY

PRODUCT GUIDE

www.mingledorffs.com

FRESH-AIRE UV
The Indoor Air Quality Expert



All information provided in this catalog is for informational purposes only and is subject to change without notice. While we strive for accuracy, we do not guarantee the completeness, reliability, or currentness of the content. Product dimensions and technical data should be verified with the manufacturer or sales team prior to ordering.

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AIRBORNE DISINFECTION

[Click for more info on Blue-Tube XL](#)

BLUE-TUBE XL | TUV-BTXL

Biological fouling (usually caused by mold) is a common problem in commercial air handlers. The cool, moist interior of the air system is an ideal breeding-ground for mold. A biofilm of only 0.002" can reduce efficiency by 37%! Unfortunately the conventional cleaning procedures used to kill mold are expensive, labor intensive, and use harsh chemicals which are themselves a source of environmental contamination and a health risk to maintenance workers.

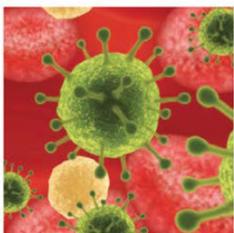
The good news is that UVGI is proven to sterilize cooling coils continuously, 24/7, safely, and cost-effectively. The Fresh-Aire UV Commercial Series Standard "L" System, Tubular Rack System, and APCO Rack System are all designed to stop biological fouling on the coils and will quickly pay for themselves in energy and maintenance savings.

The Fresh-Aire UV Commercial Series Standard "L" System and Tubular Rack System are both ideal for coil disinfection. The APCO Rack System reduces odors and VOCs in addition to disinfecting coils. Smaller commercial air systems (up to 7.5 tons) can use one of our AHU Series 1 products for coil disinfection.

This system is designed to save energy and maintenance costs associated with commercial HVAC. A biofilm of only 0.002" can reduce efficiency by 37%! Ultraviolet germicidal irradiation (UVGI) is the most cost-effective and practical solution. Blue-Tube XL offers easy and flexible installation. It includes an advanced multi-voltage water-resistant power supply. All parts (except lamps) are covered by a lifetime warranty. This system also improves indoor air quality by sterilizing airborne bacteria, viruses, and allergens.



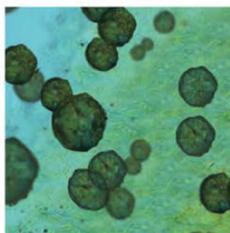
STERILIZES BIOLOGICAL PATHOGENS



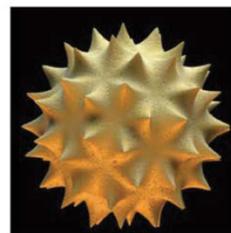
VIRUSES



BACTERIA



MOLD



ALLERGENS

AIRBORNE DISINFECTION

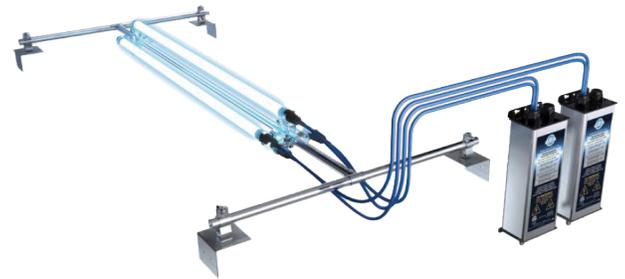
[Click for more info on HVAC Duct Mounts](#)

AIRBORNE DUCT SYSTEM | TUV-C-ADS

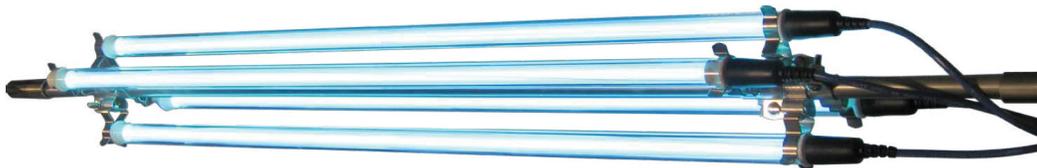
Airborne infectious diseases are one of the most serious threats to health related to HVAC equipment. In settings such as hospitals, clinics, yoga studios, elder care and veterinary facilities airborne pathogens can be spread by the air system threatening the health of patrons and exposing facility owners to liability risks.

Fortunately Fresh-Aire UV has a solution. Our Airborne Disinfection System equipped with high-output UV-C lamps kills airborne pathogens 24/7.

This product is ideal for hospitals and other applications where airborne germicidal disinfection is a priority. It is installed in HVAC ducts to maximize exposure time with the air. Because exposure to surface materials is limited this system uses our high-output 32" UV lamps for maximum airborne kill. Choose grid or radial configuration. More lamps can be added as needed depending on duct size and length.



[LEARN MORE](#)



ODOR/VOC REDUCTION

[Click for more info on Exhaust Odor Control](#)

APCO RACK SYSTEM | TUV-APCO

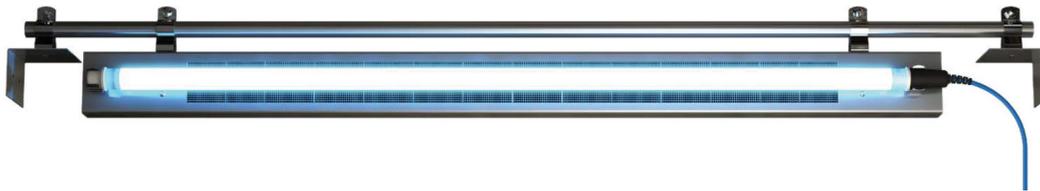
Volatile Organic Compounds (VOCs) are the source of nearly all odors. Unpleasant odors in a business, medical, or animal care facility can be a real problem. VOCs are not only the source of unpleasant odors, they can also be toxic. Chemicals like formaldehyde, acetone, and toluene are significant health risks and contribute to indoor air pollution.

APCO technology from Fresh-Aire UV, which was initially developed for residential whole-house duct mounted air purifiers, has been adapted for larger commercial systems with the APCO Rack System.

This award-winning technology uses a unique combination of UV-C light, activated carbon, and titanium dioxide to safely adsorb and neutralize VOC molecules in the air as it passes through the HVAC system. APCO technology produces no ozone. For smaller systems consider a duct-mounted APCO system [Residential APCO page](#).

APCO carbon cells trap and hold VOC molecules so they can be neutralized by a process called photocatalytic oxidation (PCO). The PCO reaction also keeps the cells clean so they should never need to be replaced.

Our most advanced commercial product adds our award-winning APCO gas-phase air purification technology to the Tubular Rack System. APCO cells contain activated carbon infused with titanium dioxide which reacts with UV-C light to capture and catalyzes odor-causing and potentially toxic VOCs. Proper use of the APCO Rack System can reduce the amount of outside air needed for ventilation according to ASHRAE Standard 62.1.



ROOM DISINFECTION

[Click for more info on Room Disinfection](#)

ESDS ROOM DISINFECTION SYSTEM

Another application for high-output germicidal UV light is sterilization of room surfaces. It is critical for facilities such as hospitals, veterinary clinics, and food processing centers to limit the spread of biological contaminants as much as possible. The Environmental Surface Disinfection System (ESDS) from Fresh-Aire UV Commercial Series addresses the need for surface disinfection in spaces that are prone to biological contamination or where biohazards must be kept to an absolute minimum.

The Environmental Surface Disinfection System uses germicidal UV-C light to disinfect room surfaces when the area is unoccupied. The UVGI system features overhead mounted high-output germicidal UV-C light fixtures. Each unit comes with an internal electric power supply and door interlock safety switches. The Fresh-Aire UV lamps included with ESDS are of the highest quality hard quartz and are encased in a shatter-proof Teflon safety coating. Features a metal fixture with enclosed 120 or 230 VAC power supply, 1 or 2 high-output 12,000 hour UV-C lamps. 1 or 2 lamp models are available.



[LEARN MORE](#)

SMALL SYSTEMS

[Click for more info on Small Systems](#)

TIGHT-FIT KIT

Not all commercial HVAC applications are large. We also make germicidal UV systems for PTACs, Fan Coils, Mini-splits, and smaller air handlers. Our magnet-mounted Tight-Fit Kit is ideal for PTACs and Fan Coils and our Mini UV is designed specifically for Mini-split AC systems. Furnaces and air handlers up to 7.5 tons can benefit from an APCO, AHU Series 1, or BlueTube UV system. The APCO Mag System is particularly well-suited for roof-top package units.

We also make Ice UV systems for ice machines of all sizes.

The Fresh-Aire UV Tight-Fit Kit makes it possible to realize all the benefits of germicidal UV light in limited space applications including most of the fan coil units and PTACs found on the market today. The kit provides a means for locating the UV light within these units for optimum UV exposure particularly where space is limited.

[LEARN MORE](#)



PURITY SYSTEMS

[Click for more info on Commercial Purity Systems](#)

PURITY ULTRA HEPA/UV SYSTEM STANDALONE AND WALL MOUNT

Purity Ultra address biological and particulate contaminants in indoor air. This versatile unit can be integrated into the HVAC system or operate as a stand-alone or wall-mounted system. Purity Ultra delivers hospital-level disinfection and submicron (PM 2.5) particulate removal. It is designed to significantly improve indoor air quality where it is most critical. Purity Ultra includes HEPA filtration and patent-pending onboard and remote sensors. Standard wall plug 120V/220V, 50/60Hz.

HOUSING

- Premium, easy-to-clean stainless steel

SMART LCD DISPLAY

- Fan speed indication
- Air quality indication
- Room oxidation levels
- Chamber pressure
- Lamp status
- Days left counter for replacement parts
- Visual and audible alarms

FEATURES

- Stainless steel housing
- 450 CFM blower
- Includes award-winning APCO® technology
- HEPA filtration
- Pressure sensors
- Air quality sensors allow for real-time IAQ monitoring
- Multiple high-output UVC germicidal options
- Multiple safety features & interlocks
- Quiet operation
- Medical/Industrial grade



CALL FOR QUOTE

Smart LCD Display



UVGI INSTALLATION & ROI ESTIMATE

[Click for more info on BlueCalc](#)

BLUECALC ESTIMATE

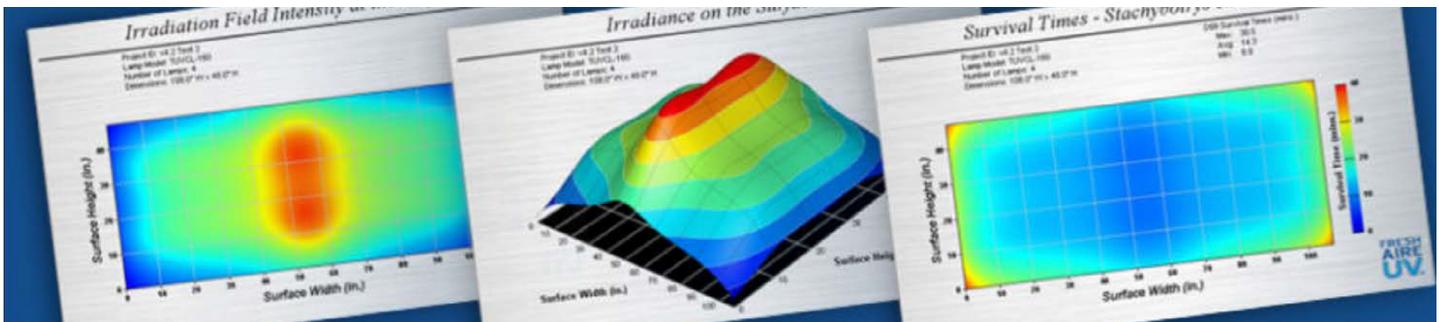
Fresh-Aire UV consultants will work with you throughout the design and installation of your commercial UVC system. This will provide you with all the information necessary to configure the best possible UVGI solution for your project. Our knowledgeable staff will examine the parameters of your application and analyze them using our proprietary BlueCalc Software.

The free analysis & report generated by our BlueCalc Software contains a description of the precise number and placement of UVC lamps needed to achieve the goals listed in the BlueCalc Analysis & Report Request Form. For HVAC applications it also contains graphic representations of the estimated pattern of irradiation on the cooling coils or air stream.

Select the type of UVGI application you are interested in by calling 800-741-1195.



**FREE BLUECALC
Analysis & Report**



ICE MACHINES—ICE UV

[Click for more info on Ice UV](#)

THE ORIGINAL GERMICIDAL UV LIGHT FOR ICE MACHINES

Now ice machine maintenance is easier, safer, and more cost-effective thanks to the award winning ICE UV germicidal UV light system from Fresh-Aire UV. ICE UV works continuously to kill germs before they become established, reducing the need for frequent cleanings. The UV-C lamp is designed to produce just the right amount of UV-C light; enough to kill germs inside the ice machine without damaging plastic materials inside.

BENEFITS

- UV-C lab test confirms 90% microbes killed after 10 minutes; 99.9% after 24 hours
- Saves money on ice machine maintenance
- Works continuously to keep ice machines clean
- Effective against mold, bacteria & viruses
- Reduces health risks from dirty ice
- Cleaner, clearer ice

FEATURES

- UV fits in all types of ice machines
- 3 & 4 lamp systems available
- 32" lamp systems available
- 2-Year water-resistant germicidal UV-C lamp
- Shatter-resistant Teflon® lamp coating
- Lifetime warranty on all parts except lamp
- 110-277 VAC electronic power supply
- Movable mounting bracket and shield
- Multi-lamp configurations for large systems

No Worries!

We are so confident in the quality of our design and manufacturing that this product comes with a lifetime warranty on all parts except the UV lamp (which needs to be replaced every one or two years depending on model).



[BUY NOW](#)



ICE MACHINES – ICE UV

[Click for more info on Ice UV](#)

WHAT ICE UV DOES:

Save Money by Reducing Maintenance Costs

In the past, frequent applications of cleansers and chemicals were required to keep the inside of ice machines sanitary. This process is costly and time consuming.

Safe, Easy, Cost-Effective

With the Ice UV germicidal ultraviolet light system, ice machine maintenance has become easier, safer, and more cost-effective. Ultraviolet light kills mold and other microbes before they become established reducing the need for machine maintenance.

HOW ICE UV WORKS:

Germ-Killing Power of UV-C Light

For over a century scientists have known about the germ-killing properties of UV-C light. Because this frequency of light is filtered out by the Earth's atmosphere microorganisms have no defense against it. It works by scrambling their DNA which prevents them from reproducing.

DNA Scramble

UV-C light works by penetrating the cell walls of microorganisms and scrambling their DNA. This prevents them from reproducing.

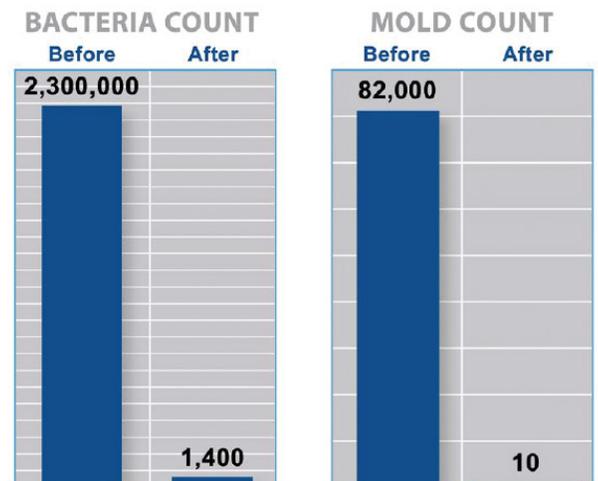


[LEARN MORE](#)

ICE UV MODELS:

- TUV-ICE-ST
 - Germicidal UV light for ice machines
 - 110 – 277 VAC
 - 2 year UV-C lamp
- TUV-ICE-DT
 - Germicidal UV light for ice machines
 - 110 – 277 VAC
 - Dual 2 year UV-C lamp

MICROBE INACTIVATION AFTER 9 WEEKS OF EXPOSURE

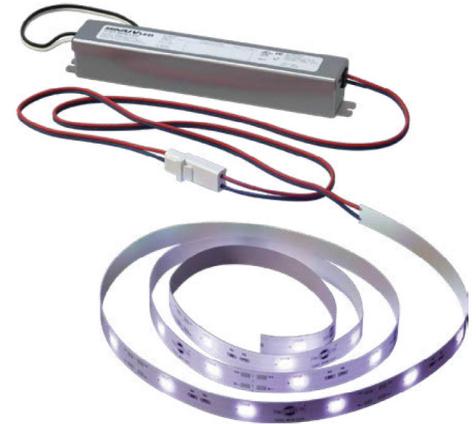


UV LIGHT LED SYSTEM FOR MI-SPLITS

[Click for more info on Mini UV LED](#)

MINI UV LED-UV LIGHT LED SYSTEM FOR MINI-SPLITS UV LIGHT LED SYSTEM FOR MI-SPLITS

Mini UV LED is the first-of-its-kind UV light LED system for mini-splits and similar limited space applications. Like all A/C systems, mini-splits are prone to internal mold growth and microbial contamination, particularly on and near the blower wheel. The LED light strip in Mini UV LED is designed to sterilize surfaces while having no impact on plastic materials.



[BUY NOW](#)

BENEFITS

- Maintains a clean mini-split system
- Fights mold on blower wheel
- Reduces maintenance costs
- Extends life of mini-split system
- Improves indoor air quality

FEATURES

- Fits mini-split & ceiling cassette A/C systems
- UV LED spectrum is safe for eyes & plastics
- Adhesive LED strip is trimmed to length
- 120 –277 VAC power supply
- 50,000 hour+ expected LED life
- 5 year warranty on all parts

SPECIFICATIONS | MANUAL | MINI UV LED ASSETS

Dimensions	LED strip: 40" L x 0.375" H
Weight	1 lb
Electrical	120, 230, 277 V ~ 0.47 A, 50/60 Hz PF ≥ 0.9, THD ≤ 20%
Kit Includes	LED strip, LED driver, #8 pan screws, panduit straps, warning stickers, manual
Warranty	All parts 5 years





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3. Start placing orders online

What can SingleSource® do for you?

24/7 ACCESS

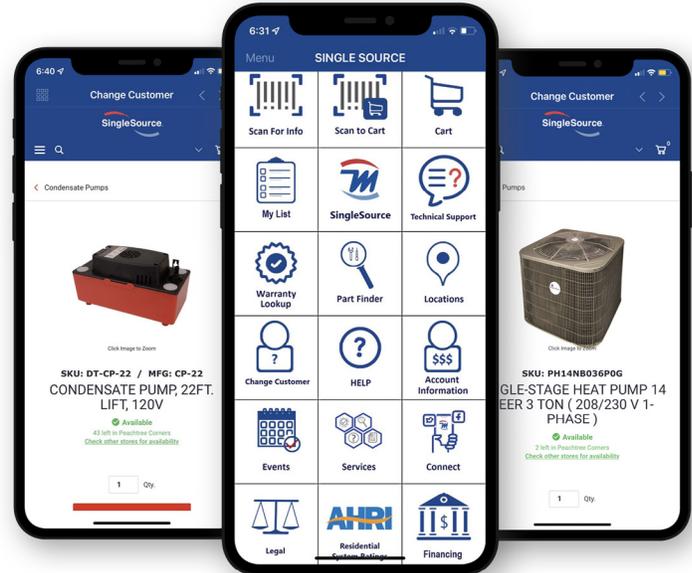
- Place orders anytime, anywhere
- Check local inventory and pricing without making a phone call
- Never wait on hold

PRODUCT DATA

- Fast and easy product look-up
- Access product manuals, replacement part lists, and technical specifications
- Search all parts, supplies and equipment with ease

JOB COSTING

- Attach purchase order numbers to web orders and keep your jobs organized under your account
- Create new wishlists for items you order all the time
- Upload your orders as spreadsheets
- Search order history fast and easy



DOWNLOAD THE APP



MOBILE ACCESS

- Built for desktop, mobile and tablet compatibility
- Optimized for any device to drive your business on the go
- Search local inventory based on your geolocation

RELIABILITY & CONTROL

- Tested to enhance your business work-flow
- Create admin accounts for your employees based on their role and control their individual access

LOGISTICS

- Know what you're getting, where it's coming from, and when you'll get it
- See product availability at all Mingledorff's locations
- Avoid shipping fees with in-store pickup options or request delivery during checkout

41 LOCATIONS THROUGHOUT THE SOUTHEAST TO SERVE YOU

Pricing, availability and product information available 24/7 at singlesource.mingledorffs.com.

Location	Phone	Address
Albany	(229) 432-5254	205 Baldwin Dr. Albany, GA 31707
Anniston	(256) 241-3026	105 E. D St. Anniston, AL 36201
Athens	(706) 548-4019	105 Whitetail Way Bogart, GA 30622
Atlanta	(404) 875-7755	1290 Tacoma Dr. Atlanta, GA 30318
Auburn	(334) 734-8011	2295 1st Ave. Opelika, AL 36801
Augusta	(706) 651-1950	3618 Wrightsboro Rd. Augusta, GA 30909
Birmingham	(205) 250-7714	516A 31st St. N Birmingham, AL 35203
Braselton – MEC	(770) 967-3263	5456 Dalton Ct. Braselton, GA 30517
Brunswick	(912) 265-5193	275 Rose Dr. Brunswick, GA 31520
Columbus	(706) 322-3870	6201 West Hamilton Park Dr. Columbus, GA 31909
Conyers	(770) 918-9132	335 Gee's Mill Business Pkwy. Conyers, GA 30013
Cumming – MEC	(770) 781-5533	2570 Business Dr. Cumming, GA 30040
Dothan	(334) 836-1035	205 Wedgewood Dr. Dothan, AL 36303
Forest Park	(404) 361-2474	5158 Kennedy Rd. Suite B&C Forest Park, GA 30297
Fort Walton	(850) 244-2017	76 Beal Pkwy. SW Ft. Walton Beach, FL 32548
Gainesville	(770) 297-9335	2472 Hilton Dr. Gainesville, GA 30501
Gulf Shores	(251) 968-2660	820 Commerce Dr. Gulf Shores, AL 36542
Hardeeville	(843) 867-2143	132 Red Oaks Way Ridgeland, SC 29936
Hattiesburg	(601) 579-9670	1851 Lincoln Rd. Hattiesburg, MS 39402
Hilton Head	(843) 689-3404	21-A Hunter Rd. Hilton Head, SC 29926
Huntsville	(256) 859-2691	391 Nick Fitchheard Rd. Huntsville, AL 35806
Lawrenceville	(678) 442-1060	2111 Cedar Rd. Bldg. A Lawrenceville, GA 30043

Location	Phone	Address
Lawrenceville – MEC	(770) 963-6226	111-B Tanner St. Lawrenceville, GA 30046
Lithia Springs	(770) 948-3451	320 Thorton Rd. #106 Lithia Springs, GA 30122
Loxley	(251) 964-2707	30020 County Rd. 49 Loxley, AL 36551
Macon	(478) 474-8544	5527 Thomaston Rd. Macon, GA 31220
Marietta	(770) 426-0551	1060-D Triad Ct. Marietta, GA 30062
Marietta – MEC	(678) 354-1174	1050 Industrial Park Dr. Suite A Marietta, GA 30062
Mobile	(251) 476-6285	5522 W Commerce Blvd. Mobile, AL 36619
Montgomery	(334) 262-4855	861 Plantation Way, Bldg A Montgomery, AL 36117
Muscle Shoals	(256) 383-6904	107 Commerce St. Muscle Shoals, AL 35661
Newnan	(770) 239-2105	70 Enterprise Ct. Newnan, GA 30265
Ocean Springs	(228) 497-5090	5717 Suntech Dr. Sunplex Ind. Park Ocean Springs, MS 39564
Panama City	(850) 913-0585	800 W 13th St. Panama City, FL 32401
Peachtree Corners	(770) 239-2100	6675 Jones Mill Ct. Peachtree Corners, GA 30092
Pensacola	(850) 438-1005	4405 North Palafox St. Pensacola, FL 32505
Savannah	(912) 232-1228	103 Central Junction Blvd. Savannah, GA 31405
Statesboro	(912) 764-8841	251 West Parrish St. Statesboro, GA 30458
Tuscaloosa	(205) 632-7176	5030 Old Montgomery Hwy Tuscaloosa, AL 35405
Valdosta	(229) 245-8200	363 Connell Rd. Valdosta, GA 31602
Warner Robins	(478) 953-3727	110 Byrd Way Warner Robins, GA 31088

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