

UVGI Solutions



BENEFITS

If you want to make the air in your indoor spaces cleaner and safer, consider using a powerful germ-reducing system that harnesses high-intensity Ultraviolet C-Band UVGI technology. This technology is recommended by the Centers for Disease Control and Prevention (CDC) as a reliable method for reducing the spread of airborne microorganisms. The American Society of Heating and Air Conditioning Engineers (ASHRAE) advocates for multiple approaches to address the transmission of contagious viral diseases, including dilution, introducing fresh air through ventilation, employing effective filtration systems, and, of course, the use of UVGI technology. These combined methods can significantly enhance the quality of the air you breathe indoors, ensuring a healthier and safer environment for everyone.

PRODUCT TECHNOLOGIES

- Portable Air Purifiers: UVC, PRO-Cell™, and H13 HEPA Filtration
- UV-Aire Induct Air Purifiers: UVC Air Purification
- FlexMountUV Induct Air Purifiers: UVC Air Purification
- TADIRAN Airow3™: H₂O₂ Air Purification
- DUO Whole House Air Purifiers: UVC, PRO-Cell™, AirFresh™ Carbon Odor Adsorption
- TRIO: UVC, PRO-Cell™, MERV 13 Filtration
- Cube: UVC, PRO-Cell™, MERV 13 Filtration
- CommercialUV: UVC Air Purification

TRIO™ Portable Air Purifiers

For Added Protection In Any Room

The TRIO family of portable air purifiers incorporates advanced filtration technology, UVGI, and PRO-Cell™ for optimal performance. These air purifiers are highly recommended for a wide range of settings, including residential and commercial applications, as well as institutions such as schools and daycares.



UV-Aire™

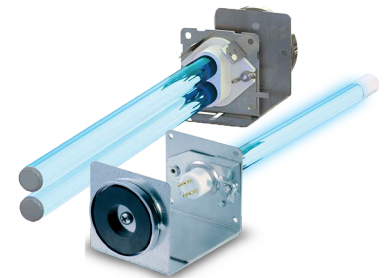
Proven Powerful In-Duct Air Purifiers

The UV-Aire purifiers offer seamless integration into any forced air ducted system, effectively harnessing the power of UVGI light to consistently diminish airborne mold, bacteria, and viruses while air circulates through the HVAC ducts.

FLEXMOUNTUV™

In-Duct Air Purifier and Coil Irradiation

The FlexMountUV is engineered for swift, adaptable, and uncomplicated installation within virtually any forced air ductwork, with the primary goal of optimizing germs, bacteria, and mold spores within the home.



TADIRAN AIROW 3™

Hydrogen Peroxide Air Cleaner

The TADIRAN AIROW 3™ eliminates biological pathogens, including bacteria, viruses, and mold to create a healthier indoor environment. This revolutionary solution is designed for ductless mini split air conditioners, ceiling cassettes, and VRF ductless split systems.



DUO™

In-Duct Air Purifiers

The DUO incorporates an ultra high-intensity UVGI solution that provides extended exposure within the treatment zone, leading to rapid and effective reduction of germs. Additionally, it features PRO-Cell™ technology, a process specifically designed to break down intricate toxic organic compounds and chemicals into harmless carbon dioxide and microscopic water vapors.

TRIO™

Whole House In-Duct Air Purifier and Air Cleaner

The TRIO 3-in-1 whole house air purification system goes beyond particle removal; it also effectively reduces the presence of viruses, germs, and harmful gases. In contrast, other air cleaners and media air cleaners are primarily designed for particle capture.



CUBE™

Commercial Air Purification System

The Cube is a robust 3-in-1 air purification system, offering a commercial solution. It employs six UVC germicidal lamps to combat germs, features PRO-Cell™ technology for breaking down toxic gases, and utilizes a MERV 13 filter to capture ultra-fine particulates. For larger systems, you can conveniently bundle multiple Cubes together.

COMMERCIALUV™

Commercial In-Duct Air Purifier

The CommercialUV systems have been expertly engineered to combat the buildup of toxic biofilm on AC coils, leading to a significant reduction in airborne germs, viruses, and bacteria. This, in turn, contributes to the enhancement of indoor air quality. These systems address the common issue of unpleasant odors. Air conditioning coils can inadvertently become breeding grounds for mold and fungi, resulting in the formation of biofilm. This not only compromises operational efficiency but also worsens the quality of indoor air.



PRODUCT SPECIFICATIONS

TRIO™ PORTABLE AIR PURIFIER, AIR CLEANER, & AIR DETOXIFIER

TRIO can clean the air in a room up to 1500 square feet in one hour and 750 square feet in 30 minutes

Model	Dimensions W x H x D	Weight (lbs)	Noise (dB)	Airflow (CFM)	Coverage 3 Air Changes per Hour (ACH) Square Feet	Coverage Room Size @ 3 ACH	Coverage 5 Air Changes per Hour (ACH) Square Feet	Coverage Room Size @ 5 ACH	µW/cm²@ Surface
TRIO	21.5" X 18" X 9"	23	68	200	500	25 X 20	300	20 x 15	7,434

TRIO PLUS™ PORTABLE AIR PURIFIER, AIR CLEANER, & AIR DETOXIFIER

TRIO Plus can clean the air in a room up to 3300 square feet in one hour and 1650 square feet in 30 minutes

Model	Dimensions W x H x D	Weight (lbs)	Noise (dB)	Airflow (CFM)	CADR	Coverage 3 Air Changes per Hour (ACH) Square Feet	Coverage Room Size @ 3 ACH	µW/cm²@ Surface
TRIO Plus	17.3" x 28" x 9"	26.2	55	440	305	775	33 x 33	10,620

TRIO PRO™ PORTABLE AIR PURIFIER, AIR CLEANER, & DETOXIFIER

TRIO Pro can clean the air in a room up to 4940 square feet in one hour and 2470 square feet in 30 minutes

Model	Dimensions W x H x D	Weight (lbs)	Noise (dB)	Airflow (CFM)	CADR	Coverage 3 Air Changes per Hour (ACH) Square Feet	Coverage Room Size @ 3 ACH	µW/cm²@ Surface
TRIO Pro	30" x 15" x 19"	43.6	58	659	562	1648	40 x 41	8,850

FLEXMOUNTUV™ COIL CLEANER & AIR PURIFIER MODELS

Model	Sizing (tons)	Voltage	Lamp Length (inches)	Lamp Wattage	Lamp Configuration	Lamp Intensity		
						(µW/cm²@1m)	(µW/cm²@1in)	(µW/cm²@0in)
UV-12FM	1.5 to 3.0	24	11.9	15	Single Lamp	37	4,699	13,098
UV-13FM*	1.5 to 3.0	24	12.6	24	Twin Lamp	65	8,255	23,010
UV-14.5FM	1.5 to 5.0	24	14.1	17	Single Lamp	54	6,858	19,116
UV-17FM*	1.5 to 5.0	24	16.3	36	Twin Lamp	110	13,970	38,948

TADIRAN AIROW 3™ HYDROGEN PEROXIDE AIR CLEANER

Model	Power Supply Input Voltage	Power Supply Output Voltage	Power Consumption	Operation Temperature	Operation Humidity (Non-Condensing)	Air Flow Rating	Hydrogen Peroxide Concentration	Ozone Concentration
TADIRAN AIROW 3™	100 to 240 VAC	12 VDC ± 10%	1 W Max	-5°C to +55°C	20% - 85%	2720 m3/H	<=15 ppb	<=5 ppb

DUO™ WHOLE HOUSE AIR PURIFIER MODELS

Model	Sizing (tons)	Voltage	Lamp Wattage	Pressure Drop (in WC)	Bacterial Germicidal Reduction	Lamp Intensity		
						(µW/cm²@1m)	(µW/cm²@1in)	(µW/cm²@0in)
DUO-2000	1.5 to 5.0	120/230	50	.02	99%	135	17,145	47,790
DUO-16/120V	1.5 to 5.0	120	30	.02	99%	62	7,874	21,948
DUO-16/24V	1.5 to 5.0	24	30	.02	99%	62	7,874	21,948
DUO-14/24V	1.5 to 4.0	24	17	.017	99%	57	7,239	20,178
DUO-11/24V	1.5 to 3.0	24	15	.015	99%	43	5,461	15,222

TRIO™ 3-IN-1 AIR PURIFICATION SYSTEM

Model	Sizing (tons)	Nano-Carbon MERV 13 Filtration	UVC Lamps (2) Total Wattage	Pressure Drop (in WC)		Lamp Intensity		
						(µW/cm²@1m)	(µW/cm²@1in)	(µW/cm²@0in)
TRIO-16	1.5 to 3.0	92.3%	60	.125 @ 800 cfm	.25 @ 1200 cfm	70	12,700	24,780
TRIO-20	1.5 to 5.0	92.3%	60	.18 @ 1200 cfm	.30 @ 1600 cfm	70	12,700	24,780

CUBE™ COMMERCIAL AIR PURIFIER, AIR CLEANER, & AIR DETOXIFIER

Model	Sizing (tons)	Nano-Carbon MERV 13 Filtration	UVC Lamps (6) Total Wattage	Pressure Drop (in WC)		Lamp Intensity		
						(µW/cm²@1m)	(µW/cm²@1in)	(µW/cm²@0in)
Cube	6.0	92.3%	180	.25 @ 1200 cfm	.53 @ 2000 cfm	100	12,700	35,540

COMMERCIALUV™ HVAC INDUCT AIR PURIFIERS

Model	Sizing (tons)	Air Flow Capacity	Duct Insertion Length (inches)	Maximum Coverage Area	Lamp Configuration
CUV-1118DN	Up to 6	2700 cfm	23	348 sq. in.	Twin Lamp
CUV-1123SN	Up to 5	2250 cfm	28	408 sq. in.	Single Lamp
CUV-1123DN	Up to 10	4500 cfm	28	816 sq. in.	Twin Lamp
CUV-1123SC	Up to 5	2250 cfm	28	408 sq. in.	Single Lamp
CUV-1123DC	Up to 10	4500 cfm	28	816 sq. in.	Twin Lamp
CUV-1128SN	Up to 6	2700 cfm	33	468 sq. in.	Single Lamp
CUV-1128DN	Up to 12	5400 cfm	33	936 sq. in.	Twin Lamp
CUV-128SC	Up to 6	2700 cfm	33	468 sq. in.	Single Lamp
CUV-1128DC	Up to 12	5400 cfm	33	936 sq. in.	Twin Lamp
CUV-1134SN	Up to 9	4050 cfm	39	540 sq. in.	Single Lamp
CUV-1134DN	Up to 18	8100 cfm	39	1080 sq. in.	Twin Lamp
CUV-1134SC	Up to 9	4050 cfm	39	540 sq. in.	Single Lamp
CUV-1134DC	Up to 18	8100 cfm	39	1080 sq. in.	Twin Lamp
CUV-1538SN	Up to 10	4500 cfm	43	588 sq. in.	Single Lamp
CUV-1538DN	Up to 20	9000 cfm	43	1176 sq. in.	Twin Lamp
CUV-1538SC	Up to 10	4500 cfm	43	588 sq. in.	Single Lamp
CUV-1538DC	Up to 20	9000 cfm	43	1176 sq. in.	Twin Lamp
CUV-1546SN	Up to 12	5400 cfm	51	684 sq. in.	Single Lamp
CUV-1546DN	Up to 24	10800 cfm	51	1368 sq. in.	Twin Lamp
CUV-1546SC	Up to 12	5400 cfm	51	684 sq. in.	Single Lamp
CUV-1546DC	Up to 24	10800 cfm	51	1368 sq. in.	Twin Lamp
CUV-1558SN	Up to 15	6750 cfm	63	828 sq. in.	Single Lamp
CUV-1558DN	Up to 30	13500 cfm	63	1656 sq. in.	Twin Lamp
CUV-1558SC	Up to 15	6750 cfm	63	828 sq. in.	Single Lamp
CUV-1558DC	Up to 30	13500 cfm	63	1656 sq. in.	Twin Lamp