safeT Workplace Products

Air Purification Systems
Education

REMOVE **99.998%** OF VIRUSES, BACTERIA & FUNGUS WITH A SAFE-T AIR PURIFICATION SYSTEM

Safe-T Air Purification products offer superior air purification through sophisticated filtration systems, high volume airflow capacity, and lower sound levels than any other premium air purifier on the market today.

The Air Purifier is a Premium Commercial Grade Air System capable of filtering 24,150 cubic feet per hour at the industry's lowest noise level. Higher volume airflow means fewer units are required, which results in higher efficiency and lower cost.

DON'T JUST FILTER POLUTANTS - DESTROY THEM

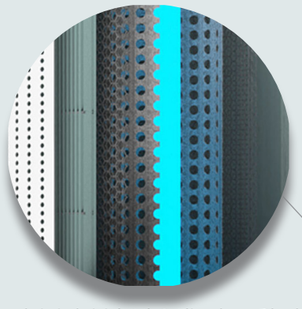
- Dust Particles
- Pollen
- Volatile Organic Chemicals
- Mold
- Allergens
- Viruses
- Odors
- Bio-Aerosols
- Nitrous Oxide
- Formaldehyde

HOW IT WORKS

The Air Purifier draws air in from 360 degrees around the device. As the air is drawn through the bottom of the unit, it passes through the HEPA-Rx Filter, the Activated Carbon Filter, and the Germicidal UV-C+ Photocatalytic Nano-TiO2 chamber.

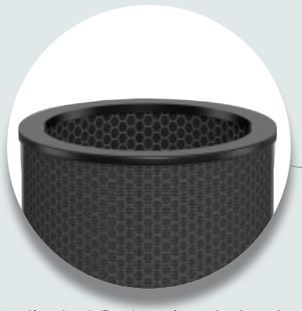
At the final stage, the purified air moves through the Revitalizing Negative Ion Generators near the air outlet and releases negative ions into the air.

VIRUS & BACTERIA DESTRUCTIONS



Ultraviolet Light (UV) & Titanium Dioxide Chamber (T102) degrades chemicals, damages bacterial membranes, inactivates viruses, and oxidizes VOC's

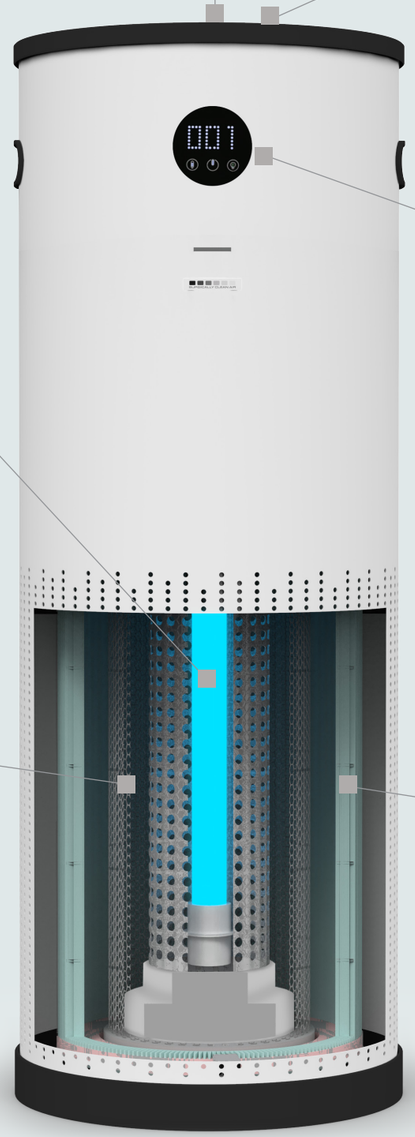
ABSORPTION PROCESS



Activated Carbon insert absorbs VOC's (Volatile Organic Compounds)

RE-ENERGIZE THE AIR

The negative ion generator makes indoor feel more pure, clean and energized to help combat fatigue



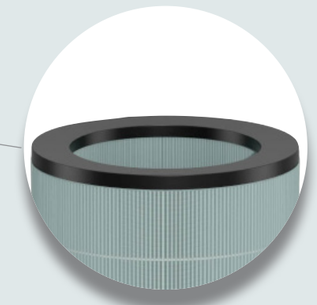
TOUCHLESS CONTROL

Hand Gesture Control Sensor helps prevent cross-contamination

DIGITAL DISPLAY

Shows levels of airflow, power, light, and UV indicator

PARTICLES CAPTURE



HEPA-Rx filter removes 99.998% of particles 0.1 microns in size that's the size of a typical virus

INDUSTRIAL STRENGTH, PREMIUM COMMERCIAL GRADE

PREMIUM COMMERCIAL GRADE

CLEANS & SANITIZES INDOOR AIR

Safe-T Air Purification products use a 4-step, 6- stage air purification process that doesn't just remove the smallest particulates of pollution; it DESTROYS them.

The Pre-Filter & HEPA-Rx Filter stage captures ultra-fine particulates, 99.998% of particles at 0.1 microns and 99.2% of particles at 0.0025 microns.

Covid-19 virus is at 0.12 microns.

HIGH-VOLUME AIR FLOW

To achieve the best indoor air quality in a commercial space, it is advised to reach 3-6 air changes per hour (ACH). Safe-T Air Purification products move 24,150 cubic feet per hour at medium speed at the industry's lowest noise levels.

To calculate the correct number of air purification units, the following factors are taken into consideration: air changes per hour (ACH), airflow rate - Cubic Feet per Minute (CFM) with a fan working at low, medium, high, or turbo speed, and a space size - ceiling height, room length, and width.

4 SPEED OPTIONS

Safe-T Air Purification features 4 fan speed options to purify your indoor air. The speed affects the force of air pushed through the filter to capture and destroy harmful particles. It also affects the sound level produced by a running fan.

AIR VOLUME FLOW IN
CUBIC FEET PER MINUTE (CFM)

Low Speed: 153 | Medium Speed: 230 | High Speed: 312 | Turbo: 406

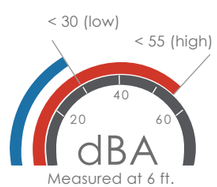
TOUCHLESS CONTROL

Wave a hand above the air purifier to turn it on and off and to switch between the work modes to ensure safety and avoid cross-contamination.

AIR PURIFIER STANDS

Raise air intake to mouth level to ensure that harmful exhalations and floating air pollutants are captured before spreading around. The two heights are designed to draw air in from 360 degrees around the air purification device in a standing or seated position. Mobile stand features heavy-duty locking casters that can easily transport the air purification unit to another area

WHISPER QUIET



Measured at 6 ft.

Noise-canceling sound dampening design keeps the sound volume at very low levels. Noise level at low fan speed is 30dBA; high fan speed is 55dBA.

AIR PURIFICATION SUITABLE FOR ANY SPACE OR APPLICATION

PREVENTING THE SPREAD OF VIRUSES BY INCREASING AIR CIRCULATION

Viruses can spread from person to person in tiny particles of water and aerosols. These microscopic aerosols are released when we breathe, talk, yell, or sing. Larger droplets quickly fall to the ground, while aerosols may stay floating in the air for hours and can travel long distances. Harmful aerosols can build up if the indoor air is not circulated properly.

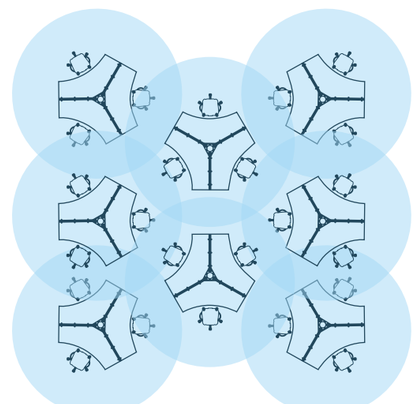
Correct air circulation inside offices, schools, and homes will reduce the spread of harmful viruses in aerosols.

One way to measure air circulation is to calculate how often the air is completely replaced in a space. This is called Air Changes per Hour (ACH). In a 30-foot by 30-foot classroom with 25 students, the air should be replaced at least every 15 minutes, which equals an ACH of 4. If the air is replaced at least every 10 minutes, there is a higher ACH of 6, which is much better. The higher ACH lowers the risk of disease spreading through the air.

Ventilation with recirculated air like standard HVAC systems will not reduce the risk of virus spread. The air must be recirculated through a High Efficiency Particulate Absorbing (HEPA) filter. Common standards require that a HEPA filter must remove at least 99.97% of particles whose diameter is at least 0.3 microns.

PROTECT YOUR BUILDING WITH A BLANKET OF CLEAN AIR

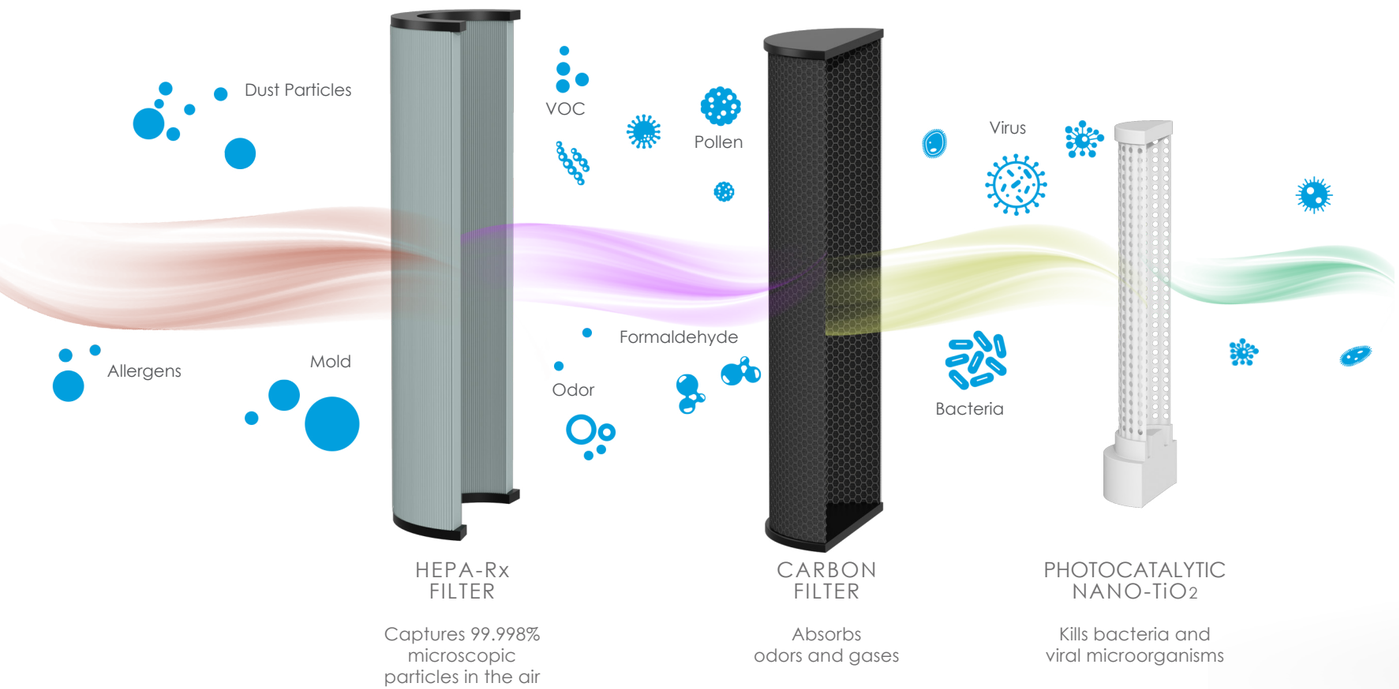
Safe-T Air Purification products are suitable for, private offices, break rooms, conference rooms, or open areas. Our experts will design a perfect solution for you.



6 STAGES OF AIR PURIFICATION

Safe-T Air Purification systems utilize multi-stage air purifying technologies that work together to clean, purify, and re-energize the indoor air.

MEETS MERV (13-16) CATEGORIZATION OF ANSI STANDARD 52.2



HEPA-Rx FILTER

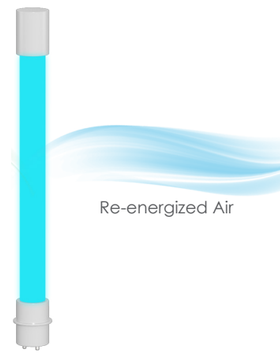
Captures 99.998% microscopic particles in the air

CARBON FILTER

Absorbs odors and gases

PHOTOCATALYTIC NANO-TiO_2

Kills bacteria and viral microorganisms



GERMICIDAL UV-C+ LIGHT

The high-intensity Germicidal UV-C+ ruptures the DNA of viruses and bacteria, effectively destroying them.

MERV

- A filter's Minimum Efficiency Reporting Values (MERV) is used to measure how well filters remove different sized particles in the air.
- A MERV rating of 13 or higher (MERV 13 +) means that the filter gets rid of at least 90% of the particles the size of virus-containing aerosols.
- High-Efficiency Particulate Air (HEPA) filters are designed to exceed the highest MERV rating.

CAPTURE
- Particulates
- Ultra-fine Particulates

ABSORPTION
- Gases
- VOCs

DESTRUCTION
- Viruses
- Bacteria

RE-ENERGIZE
- Re-energize the air

Safe-T Air Purification systems with HEPA Rx ultra-fine particulate filter captures 99.998% of particles that are even smaller than aerosols. Any remaining particles, odors, or viruses that pass through the HEPA Rx filter are absorbed by a dual-stage Carbon filter or destroyed by super oxidizing Photocatalytic Nano-TiO2 chamber.

At the final stage of air filtration, negatively charged ions make the air feel more pure, clean, and energized to help combat common fatigue.

* Independent studies available

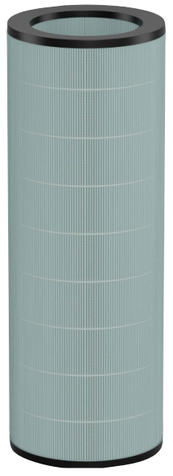
SCA AIR PURRIFICATION SYSTEMS

PRODUCT SPECIFICATIONS

MODEL NAME	SCA-B / SCA-W	SCA-X-B / SCA-X-W
DIMENSIONS	26"H x 12"W	33.5"H x 12"W
WEIGHT	25.4 lbs	30.6 lbs
FAN SPEED	4 Speeds, Auto Mode	4 Speeds, Auto Mode
SOUND LEVEL (MEASURED AT 6FT)	Low <30dBA | High <55dBA	Low <30dBA | High <55dBA
ULTRAFINE PARTICLE FILTER	HEPA-Rx	HEPA-Rx
ACTIVATED CARBON FILTER	√	√
GERMICIDAL UV-C+ BULBS	√	√
HYDROXYL RADICAL REACTIVITY CHAMBER	√	√
REVITALIZING NEGATIVE ION CHAMBER	√	√
AUTO FUNCTION	√	√
AIR QUALITY SENSORS	√	√
CONTROL PANEL	Hand Wave Sensor	Hand Wave Sensor
POWER	120V, 60HZ	120V, 60HZ

* Both Models available in Black or White

WHEN DO THE FILTERS NEED TO BE CHANGED?



The HEPA-Rx filter needs to be changed once a year (running 24/7)

The Activated Carbon filter needs to be changed 2-3 times a year (running 24/7)

The Germicidal UV-C+ bulb needs to be changed just under one year (running 24/7)

GUARD UV UPPER ROOM GERMICIDAL AIR PURIFIER
FOR COMMERCIAL & INSTITUTIONAL APPLICATIONS

MADE IN
THE USA

SAFE & EFFECTIVE ULTRAVIOLET AIR DISINFECTION FOR OCCUPIED SPACES

Safe-T GuardUV Germicidal Ultraviolet Air Purifier destroys airborne pathogens by generating a controlled region of germicidal UV light in the upper regions of a room. Pathogenes are drawn through the UV lamp chamber, exposing them to high-intensity germicidal UV light and then released into the upper air of the room where they are exposed to additional focused UV light. The UV light disinfection field is restricted to the upper area of the room (must be installed at least seven feet from the floor).

GUARDUV WALL OR CEILING MOUNT MODELS

STG-22F Wall Mount
STG-22F-CR Ceiling Mount
26 1/8" wide

STG-33F Wall Mount
STG-33F-CR Celing Mount
37 5/8" wide

Bi-directional Ceiling Mount

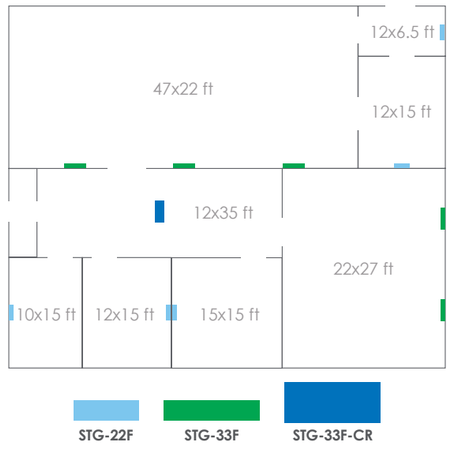
IMPORTANT: THE 7-FOOT MINIMUM INSTALLATION HEIGHT REQUIREMENT MUST BE OBSERVED TO ASSURE THE SAFETY OF THE OCCUPANTS.

SPECIFICATIONS

Model	Coverage sq. ft.	Total UV-C output	UV lamp wavelength	UV lamp life	Power consumption	Width	Height	Depth
STG-22F Wall Mount	225 (15'x15')	10w	254nm	9,000 hrs	36.5VA	26.1"	6.1"	9.2"
						66.29cm	15.49cm	23.37cm
STG-33F Wall Mount	350 (16'x22')	16w	254nm	9,000 hrs	44.5VA	37.7"	6.1"	9.2"
						95.76cm	15.49cm	23.37cm
STG-22F-CR Ceiling Mount	450 (15'x30')	10w	254nm	9,000 hrs	36.5VA	26.1"	6.1"	13.5"
						66.29cm	15.49cm	34.29cm
STG-33F-CR Ceiling Mount	700 (16'x44')	16w	254nm	9,000 hrs	44.5VA	37.7"	6.1"	13.5"
						95.76cm	15.49cm	34.29cm

Power: All models auto-sensing 120-277 VAC, 50/60 hz.
Important: When installed, bottom of fixture must be at least 7 feet above the floor.

SAFE-T GUARDUV TYPICAL PLACEMENT FOR VARIOUS MODELS



Contact Safe-T for information on the number of units required based on room size, and for placement suggestions

FEATURES

- Wall mount and bi-directional ceiling fan models
- 22 and 33 inch UV lamp models
- Quiet 67 cfm fan (30 db)
- 9,000 hour UV lamp life - over 3-years running 8 hours per day
- Energy efficient
- Galvanized steel construction
- Powerful air movement with 67 cfm fan
- UV air disinfection is recognized and endorsed by ASHRAE, The American Society of Heating, Refrigerating and Air Conditioning Engineers
- 6' cord is included with an option to hardwire or plug-in

GUARD UV PORTABLE UV PHOTOMAX AIR PURIFIER
FOR COMMERCIAL & INSTITUTIONAL APPLICATIONS

MADE IN
THE USA

Cleaner, Healthier Indoor Air

Breaks down Odors, VOCs,
and Toxins, Kills Bacteria and Viruses
Reduces Allergens

ROBUST TECHNOLOGIES

UV LIGHT - NATURE'S DISINFECTANT

Since about 1930, UV light has been used to disinfect air, water, and surfaces. It penetrates microbes and disrupts their DNA/RNA. It has a technology recognized as effective by the American Society of Heating Refrigerating and Air-conditioning Engineers (ASHRAE), the CDC, and the EPA.

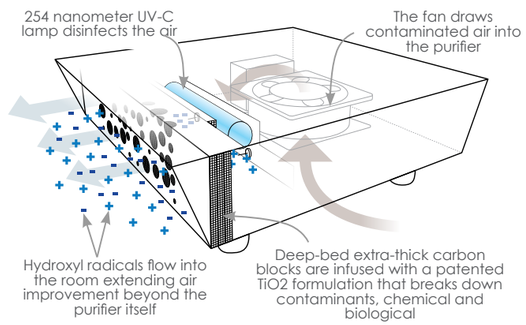
PHOTOCATALYTIC OXIDATION (PCO) AIR PURIFICATION WITH ACTIVATED CARBON

Contamination is captured by the activated carbon panel. The carbon is infused with a patented titanium dioxide (TiO2)) with silver and zinc formulation. The PCO process breaks down odors, volatile organic compounds (VOCs), and allergens while inactivating microbes.

POWERFUL | COMPACT | PORTABLE

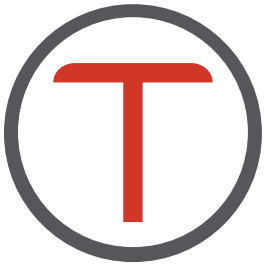
Goes beyond ordinary filtration to destroy air contamination at the molecular level

CONVERTS COMPLEX AIR CONTAMINATION BACK TO NORMAL AIR COMPONENTS



FEATURES

- Commercial-grade Stainless Steel outer cabinet with steel chassis
- Self cleaning, the carbon blocks are continually restored by the PCO process and need no maintenance
- No Ozone produced
- UL 2998 compliant
- Compact: 9"x 9" - 3" high
- Quiet fan
- Washable pre-filter
- Low power consumption
- Covers areas up to 800 sq ft
- Plugs into standard 110VAC outlet; hardwire available
- Wall mount option included
- Part # STG-UVP



SAFE-T WORKPLACE PRODUCTS

678.879.0777

Learn more online at SafeT.net