

UVC Mobile Air Sanitizer

Harnessing the power of light to protect the world from coronavirus.

**Model 350**

21,000 CFH/350 CFM
air flow capacity

Model 2900

174,000 CFH/2,900 CFM
air flow capacity

Model 1200

72,000 CFH/1,200 CFM
air flow capacity

All models include the following features:

High-output UVC germicidal lamps

Medical-grade ULPA Filter (removes 99.999% of particles $\geq 0.12 \mu\text{m}$)

Activated carbon filter (reduces airborne odors and chemical disinfectant particulates)

8 to 10 ACH (Air Changes Per Hour)

Wi-Fi wireless cloud-based control and monitoring (upgrade)

Anti-microbial powder coat finish

Steel construction

Commercial grade

Quiet operation due to optimized airflow design

High-performance centrifugal fan and motor

Internal reflectors for maximized UVC intensity

Made in the USA

Safe, fast and effective UVC disinfection to eliminate airborne transmission of SARS-CoV-2 in commercial spaces.

COMMERCIAL EXPERTISE.

Safeology™ UVC sanitizing and disinfecting products are designed by a global manufacturer of lighting and technology products with a quarter century of experience serving the commercial industry. Leveraging the expertise built through years working with LED and lamp fixture technology, we've created UVC light products designed and engineered specifically for commercial use.

EVIDENCE-BASED SCIENCE.

It's well documented through clinical research and long-established medical disinfection practices that when exposed to UVC light, a cell's DNA and RNA are damaged, rendering the cell microbiologically dead and incapable of reproduction. The unique single-strand RNA makeup of SARS-CoV-2, the specific coronavirus that causes the COVID-19 disease, makes it highly susceptible to UVC light, and an effective target for UVC disinfection.



STATISTICAL GENOME MODELING.

Safeology's scientific experts have conducted a computational analysis of the SARS-CoV-2 genome to identify the specific UVC dosage required to achieve a Log 3 reduction and deactivate 99.9% of the virus. The overall effectiveness of airborne disinfection is based upon air's exposure to this dosage of UVC light.

ADVANCED AIR FILTRATION.

Safeology's Mobile Air Sanitizers use medical-grade Ultra-Low Particulate Air (ULPA) filters. More effective than traditional HEPA filters, ULPA filters are capable of removing at least 99.999% of airborne particles such as dust, mold, bacteria, and pollen from the air.

OPTIMAL AIR EXCHANGE.

In general, CDC guidelines call for 6 to 12 Air Changes per Hour (ACH) to ensure clean, safe air. Safeology's scientists recommend 8 to 10 ACH for typical-use spaces with some high traffic spaces requiring a higher number of air exchanges.

THE TRIFECTA OF AIR DISINFECTION.

Only Safeology combines a precise UVC dosage based on scientific modeling, Ultra-Low Particulate Air (ULPA) filtration, and high airflow capacity to ensure a Log 3 (99.9%) reduction of the airborne coronavirus.

PEACE OF MIND.

Safeology products help you create clean, pathogen-free spaces customers and employees will be comfortable in. Because Safeology offers proven protection against coronaviruses and other disease-causing pathogens¹, they'll have peace of mind knowing their health and safety is your top priority.

Unparalleled UVC air disinfection technology.

PRODUCT DESCRIPTION

The Safeology UVC Mobile Air Sanitizer offers peace of mind by leveraging the science of light to create clean, pathogen-free spaces. With Safeology, you can safely, quickly and efficiently eliminate up to 99.9% of airborne pathogens¹, helping you create a clean, worry-free environment.

SOFTWARE SOLUTION (upgrade)

Only Safeology offers a proprietary Commercial Software Suite (CSS), designed specifically for commercial applications*. Our CSS offers a cloud-based web solution for back-end systems management, including real-time tracking and control, disinfection validation, remote software updates, lamp efficacy and maintenance data, air quality monitoring, air filter monitoring, and remote on/off. Our mobile app provides a user-friendly interface for easy provisioning and cycle completion notification.

SPECIFICATION STATEMENT

Solution shall consist of a UVC Mobile Air Sanitizer that uses 253.7 nm UVC light to inactivate pathogens such as SARS-CoV-2 and other viruses, bacteria and spores. Sanitizer shall use ULPA (ultra-low particulate air) filter to remove inactivated pathogens from the air, and an activated carbon filter to reduce airborne odors and chemical disinfectant particulates. UVC dosage must be based on 8 to 10 ACH (Air Changes Per Hour) and include SARS-CoV-2 genome modeling with computer-aided computation for time requirements for specific rooms sizes. Sanitizer must effectively deliver a Log 3 (99.9%) reduction of SARS-CoV-2. Solution may include cloud-based web and mobile software for management, authentication and reporting.

* An upgrade to air purifying systems



The most complete UVC air disinfecting solution available.

Model 350



FIXTURE

- Size: 14" w x 14" d x 30" h
- Weight: 50 lbs.
- Made in the USA
- German-engineered centrifugal fan and motor
- Quiet operation due to optimized airflow design
- Optimized static pressure performance
- Four smooth rolling casters (two are locking) for easy mobility
- Durable anti-microbial powder coated metal construction
- Easy access filter replacement

AIRFLOW

- High capacity: 21,000 CFH/350 CFM
- Delivers 8 to 10 air changes per hour (ACH) in 325 square foot room with 8.5' ceiling

UVC LAMPING

- Four 20-watt ultraviolet lamps
- Amalgam 253.7 nm UVC lamps
- Up to 12,000 hours lamp life at 85% UVC power rate
- Internal reflectors for maximized intensity

ELECTRICAL

- 120V AC, 50/60Hz, 2.0 amps
- 240 watts
- 10' hospital grade three-prong power cord (easily replaceable)
- On/off switch

FILTRATION

- Medical-grade ULPA filter removes 99.999% of particles $\geq .12 \mu\text{m}$
- Activated carbon filter reduces airborne odors and chemical disinfectant particulates

SAFETY

- Shatter-resistant lamps
- No ozone

CERTIFICATIONS

- EPA Registered
- Conforms to UL Standards
- FCC compliant
- Patent pending

SUPPORT

- 3-year warranty
- Implementation training
- Maintenance and Software service plans
- Remote access customer service
- Field service
- Technical support

TECHNOLOGY (Upgrade Option)

- Wi-Fi wireless cloud-based control and monitoring
- Imbedded computer automation for cloud-based management
- Air quality remote monitoring
- UVC lamp remote monitoring
- Variable wireless speed control for smaller spaces

SOFTWARE (Upgrade Option)

- Cloud-based back-end management
 - Programmable start and stop times
 - Remote auto on/off
 - Room-based cleaning validation
 - Real-time tracking
 - Centralized monitoring and control
 - Remote software updates
 - Lamp efficacy and maintenance monitoring
 - Air quality monitoring
 - Filter end-of-life monitoring
- Mobile application operations
 - Easy provisioning
 - Simple control
 - Cycle completion notification
- Computer-aided modeling
 - Air filter and UVC dosage analysis for various spaces

The most complete UVC air disinfecting solution available.

Model 1200



FIXTURE

- Size: 20" w x 16" d x 32" h
- Weight: 60 lbs.
- Made in the USA
- German-engineered centrifugal fan and motor
- Quiet operation due to optimized airflow design
- Optimized static pressure performance
- Four smooth rolling casters (two are locking) for easy mobility
- Durable anti-microbial powder coated metal construction
- Easy access filter replacement

AIRFLOW

- High capacity: 72,000 CFH/1,200 CFM
- Delivers 8 to 10 air changes per hour (ACH) in 1,000 square foot room with 8.5' ceiling

UVC LAMPING

- Four 36-watt ultraviolet lamps
- Amalgam 253.7 nm UVC lamps
- Up to 12,000 hours lamp life at 85% UVC power rate
- Internal reflectors for maximized intensity

ELECTRICAL

- 120V AC, 50/60Hz, 5.5 amps
- 660 watts
- 15' hospital grade three-prong power cord (easily replaceable)
- On/off switch

FILTRATION

- Medical-grade ULPA filter removes 99.999% of particles $\geq .12 \mu\text{m}$
- Activated carbon filter reduces airborne odors and chemical disinfectant particulates

SAFETY

- Shatter-resistant lamps
- No ozone

CERTIFICATIONS

- EPA Registered
- Conforms to UL Standards
- FCC compliant
- Patent pending

SUPPORT

- 3-year warranty
- Implementation training
- Maintenance and Software service plans
- Remote access customer service
- Field service
- Technical support

TECHNOLOGY (Upgrade Option)

- Wi-Fi wireless cloud-based control and monitoring
- Imbedded computer automation for cloud-based management
- Air quality remote monitoring
- UVC lamp remote monitoring
- Variable wireless speed control for smaller spaces

SOFTWARE (Upgrade Option)

- Cloud-based back-end management
 - Programmable start and stop times
 - Remote auto on/off
 - Room-based cleaning validation
 - Real-time tracking
 - Centralized monitoring and control
 - Remote software updates
 - Lamp efficacy and maintenance monitoring
 - Air quality monitoring
 - Filter end-of-life monitoring
- Mobile application operations
 - Easy provisioning
 - Simple control
 - Cycle completion notification
- Computer-aided modeling
 - Air filter and UVC dosage analysis for various spaces

The most complete UVC air disinfecting solution available.

Model 2900



FIXTURE

- Size: 22" w x 20" d x 36" h
- Weight: 100 lbs.
- Made in the USA
- German-engineered centrifugal fan and motor
- Quiet operation due to optimized airflow design
- Optimized static pressure performance
- Four smooth rolling casters (two are locking) for easy mobility
- Durable anti-microbial powder coated metal construction
- Easy access filter replacement

AIRFLOW

- High capacity: 174,000 CFH/2,900 CFM
- Delivers 8 to 10 air changes per hour (ACH) in 2,500 square foot room with 8.5' ceiling

UVC LAMPING

- Six 36-Watt Ultraviolet Lamps
- Amalgam 253.7 nm UVC lamps
- Up to 12,000 hours lamp life at 85% UVC power rate
- Internal reflectors for maximized intensity

ELECTRICAL

- 120V AC, 50/60Hz, 10 amps
- 1,200 watts
- 20' hospital grade three-prong power cord (easily replaceable)
- On/off switch

FILTRATION

- Medical-grade ULPA filter removes 99.999% of particles $\geq .12 \mu\text{m}$
- Activated carbon filter reduces airborne odors and chemical disinfectant particulates

SAFETY

- Shatter-resistant lamps
- No ozone

CERTIFICATIONS

- EPA Registered
- Conforms to UL Standards
- FCC compliant
- Patent pending

SUPPORT

- 3-year warranty
- Implementation training
- Maintenance and Software service plans
- Remote access customer service
- Field service
- Technical support

TECHNOLOGY (Upgrade Option)

- Wi-Fi wireless cloud-based control and monitoring
- Imbedded computer automation for cloud-based management
- Air quality remote monitoring
- UVC lamp remote monitoring
- Variable wireless speed control for smaller spaces

SOFTWARE (Upgrade Option)

- Cloud-based back-end management
 - Programmable start and stop times
 - Remote auto on/off
 - Room-based cleaning validation
 - Real-time tracking
 - Centralized monitoring and control
 - Remote software updates
 - Lamp efficacy and maintenance monitoring
 - Air quality monitoring
 - Filter end-of-life monitoring
- Mobile application operations
 - Easy provisioning
 - Simple control
 - Cycle completion notification
- Computer-aided modeling
 - Air filter and UVC dosage analysis for various spaces

¹ The term pathogens, as used in Safeology literature, refers to the broader category of disease-producing germs, including viruses, bacteria and spores. While UVC light has been proven effective in inactivating or eliminating various pathogens, the dosage of UVC exposure (UVC intensity over time) required to do so may vary by pathogen type. Pathogens, in general, require different levels of exposure for disinfection. Some can be inactivated relatively quickly, while others require longer exposure to UVC.