

UVC Mobile Air Purifier 1800

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

SERIES M
UVC Mobile Air Purifier 1800
Model SM18



PRODUCT DESCRIPTION

The Safeology UVC Mobile Air Purifier 1800 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

Only Safeology offers a proprietary Software Suite featuring a cloud-based web solution for back-end systems management, including real-time tracking and control, remote software updates, lamp efficacy and maintenance data, and remote scheduling.

SPECIFICATION STATEMENT

Solution shall consist of a UVC Mobile Air Purifier that uses 253.7 nm UVC light to inactivate pathogens such as SARS-CoV-2 and other viruses, bacteria and spores. Purifier shall use high-grade HEPA filter to remove pathogens from the air, and an activated carbon filter to reduce airborne odors and chemical disinfectant particulates. UVC dosage recommendation should be based on 6 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. Purifier must effectively deliver a Log 3 (99.9%) reduction of SARS-CoV-2. Solution must include cloud-based web and mobile software² for management, authentication, and reporting.

The most complete UVC air purification solution available.

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FIXTURE

- Dimensions: 26.0" w x 25.5" d x 48.0" h
- Weight: 265 lbs.
- German-engineered 40,000-hour centrifugal fan and motor
- Quiet operation due to optimized airflow design
- Optimized static pressure performance
- Four 4" multi-directional casters, including a pair of total-lock casters for secure storage
- Durable white powder coated metal construction
- Easy access filter replacement
- Made in America with U.S. and global components

AIRFLOW

- Delivers 6 to 10 Air Changes per Hour (ACH) in 2,000 ft² and 1,200 ft² rooms with 9' ceiling, respectively (at turbo speed)³
- Low speed: 30,000 CFH / 500 CFM / 46dB⁴
- Medium speed: 60,000 CFH / 1,000 CFM / 58dB
- High speed: 90,000 CFH / 1,500 CFM / 64dB
- Turbo speed: 108,000 CFH / 1,800 CFM / 72dB

UVC LAMPING

- Two Philips 60-watt 253.7 nm UVC lamps
- Up to 9,000 hours lamp life at 85% UVC intensity

ELECTRICAL

- 120V AC, 50/60Hz
- Low speed: 517 watts / 4.4 amps
- Medium speed: 864 watts / 7.4 amps
- High speed: 952 watts / 8.0 amps
- Turbo speed: 1,410 watts / 11.8 amps
- 15' hospital grade three-prong power cord (easily replaceable)⁵
- Master full-power on/off switch
- Control buttons and indicator lights for airflow levels

FILTRATION

- High-grade HEPA filter removes 99.97% of particles $\geq .300 \mu\text{m}$
- Activated carbon filter with pre-filter increases filter life and reduces airborne odors and chemical disinfectant particulates

TECHNOLOGY²

- Imbedded computer for Wi-Fi wireless cloud-based control and monitoring
- UVC lamp remote monitoring
- USB upgradeable software input

SOFTWARE²

- Cloud-based back-end management
- Easy wireless provisioning
- Programmable start and stop times
- Remote auto on/off
- Room-based cleaning validation
- Real-time tracking
- Centralized monitoring and control
- Remote software updates
- Lamp monitoring
- Filter end-of-life monitoring

SAFETY

- Auto off switch for safe lamp replacement
- Auto off switch for safe filter replacement
- No ozone

CERTIFICATIONS

- EPA-registered manufacturing facility
- Certified to UL Standards
- FCC compliant
- Patent pending

SUPPORT

- 3-year warranty
- Implementation training
- Maintenance and Software service plans
- Remote access customer service²
- Field service
- Technical support

Important Information

The Mobile Air Purifier's effectiveness in the deactivation of certain viruses, bacteria, protozoa, fungi or other harmful micro-organisms is as described above. Safeology does not warrant or guarantee that the use of the product will protect any user from or prevent infection and/or contamination with any viruses, bacteria, protozoa, fungi, illness or disease. The units are not approved as medical devices by the FDA. As such, the Mobile Air Purifier is not used to disinfect medical devices. Safeology shall not be liable for any claim or damage that may arise from or relate to any use of this product outside its intended use or contrary to operation instructions, user manuals or mounting instructions.

Safety Warning

DANGER: UVC lamps must be installed and used in the correct manner. Direct exposure to UVC can be dangerous and result in serious damage to the skin and corneas (eyes). UVC lamps must be installed in the Mobile Air Purifier in strict accordance with the requirements stated in the user manual or instructions. Safety switches should never be disabled. Unit should not be operated with the top off or with the filters removed. The Mobile Air Purifier must only be sold and installed by professionals.

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.

² Available with annual service plan, sold separately.

³ ACH calculation: CFH / cubic footage of space. Eg. 108,000 CFH / 18,000 ft³ room = 6 ACH.

⁴ Decibel (dB) comparisons: 40 dB = quiet room in home, refrigerator; 50 dB = private office, moderate rainfall; 60 dB = normal conversation, business office; 70 dB = dishwasher, inside running car.

⁵ Fixture not compatible with Ground-Fault Circuit Interrupter (GFCI) outlet.