

# AIRrow Light 2000

## uv-c air treatment system

Apache develops and delivers engineered products to reduce infinitesimally small risks at the greatest possible scale.

**We create safer spaces with advanced technical solutions.**



The AIRrow Light UV-C Filtration System relies on a two-stage High Efficiency Particulate Air (HEPA) filter and purification process followed by UV-C light treatment. The AIRrow destroys dangerous microorganisms in the air.

- Pulls air and contaminants toward the ground, away from breathing level, and into the air filtration system and UV-C treatment chamber
- Outer washable nylon mesh filter
- Inner second pleated media filter that captures smaller particles such as dirt and debris
- 2-inch thick High Efficiency Particulate Air (HEPA) filter captures 99.7% of airborne particles 0.3 micrometers in diameter.
- Optional carbon filter can capture smoke and other noxious odors
- UV-C Decontamination
- For use in classrooms, cafeterias, libraries, auditoriums, lockers rooms, and any shared spaces.
- Safe for use around people, pets, and plants

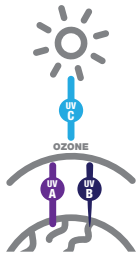


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[www.apachesafespacesolutions.com](http://www.apachesafespacesolutions.com)

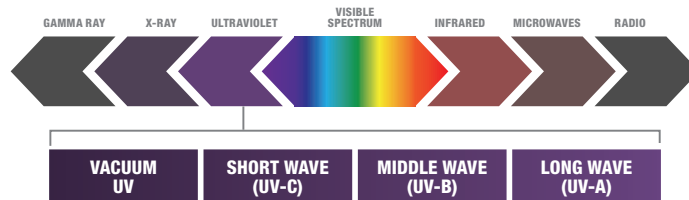
**apache** SAFESPACE SOLUTIONS

# UV-C Light Technology Explained

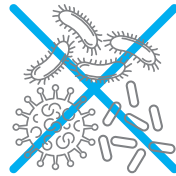
UV-C light is already being used in hospital and industrial settings to decontaminate equipment, rooms, and water. Learn more about what it is and how it works to destroy dangerous microorganisms:



UV-C light encompasses a wavelength range of 200 to 280 nanometers (nm), and at certain wavelengths (between 222 and 254 nm approximately), UV-C light is germicidal and proven effective in destroying dangerous microorganisms.



Exposure to UV-C light breaks down cell walls, reaches the cell's DNA and RNA, initially inactivating the cell from multiplying. With increased exposure, light continues to break down the organic material, destroying the cell entirely.



Studies have proven that UV-C light is effective in destroying viruses and bacteria (salmonella, E. coli, cold and flu strains), and molds, not only on hard surfaces but in the air as well.



Ultimately, UV-C decontamination is most effective when used in conjunction with standard cleaning protocols.

"UV light, specifically between 200-280nm[j] (UVC or the germicidal range), inactivates (aka, 'kills') at least two other coronaviruses that are near-relatives of the COVID-19 virus: 1) SARS-CoV-1 and 2) MERS-CoV." **[cdc.gov](https://www.cdc.gov)**

"UVC light is highly effective at killing bacteria and viruses by destroying the molecular bonds that hold their DNA together." **Columbia University Medical Center**

Numerous studies show that [UV] is effective at reducing hospital- acquired infections and combating so-called superbugs. In 2014, one Texan hospital used it in the clean-up after an Ebola case. More than 500 healthcare facilities, mostly in the US, have the machine. In California and Nebraska, it has already been put to use sanitizing hospital rooms where coronavirus patients received treatment. **BBC**