



AirGenie™ Sanitizer Specification Sheet

Model AG-2300

Continuously Provides 99.9%
Virus-Free Air For Classrooms



6 Air Treatments per Hour (ATH) = Most Air In The Room Is
or 50% More than minimum CDC Sanitized Every 10 Minutes*
guidance would suggest!

Features & Benefits:

- Patent Pending UV-C design for virus destruction in aerosolized droplets
- High volume low speed air flow for maximum effectiveness and comfort
- Minimal 64”L x 15”D x 43.5”H
- Specifically designed for K-12 classrooms
- Ozone-free UV-C at 254 Nanometer wavelength that is proven highly lethal to virus and bacteria
- Designed for use in occupied spaces
- Quiet operation - 54dB
- UV-C lamps rated for up to 10,000 hours max over entire life-cycle = 6.9 years in typical classroom setting (8-hrs/day; 180 days/year)
- Heavy-duty stainless steel and aluminum construction

Easy Operation: Plug-n-Play

- Works with existing outlets - No special electrical required
- 120 volts, 9.2 amps with 6 foot cord -NEMA 5-15 plug.
- Mobile unit with casters and stabilizer cables
- Replaceable Electrostatic MERV filters available, optional

Manufacturing Expertise:

- 15 years of manufacturing experience with UV applications
- Designed and manufactured in USA

CDC Guidance confirms: 15 minutes collective exposure can transmit Covid-19 through aerosols.
Treat air at least 4 times per hour with UV-C treatment in enclosed classroom spaces to sufficiently impact Indoor Air Quality (IAQ) and deactivate SARS-CoV-2



How do we know the AirGenie™ works?

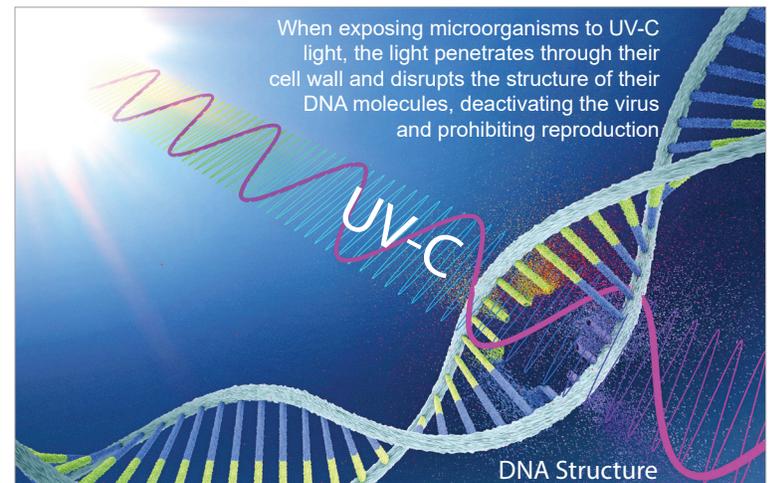
Fans pull air through the unit past UV-C bulbs at a treatment rate greater than twice the lethal dose rate for SARS-CoV-2.

What is Ultraviolet C (UV-C)?

Ultraviolet light can kill or inactivate microorganisms to prevent them from reproducing. UVC light at 253.7 nanometers provides the greatest germicidal effect. This process is known as Ultraviolet Germicidal Inactivation (UVGI).

The AirGenie™ delivers 62,000 mJ/M² UV-C irradiance (6.2 mJ/cm²) – minimum, inside unit.

- Airflow: 985 cubic feet per minute (59,100 cubic feet/hour)
- Treats the air in an occupied room by pulling it through the unit continuously, with all air being treated every 10 to 15 minutes, depending on room size.



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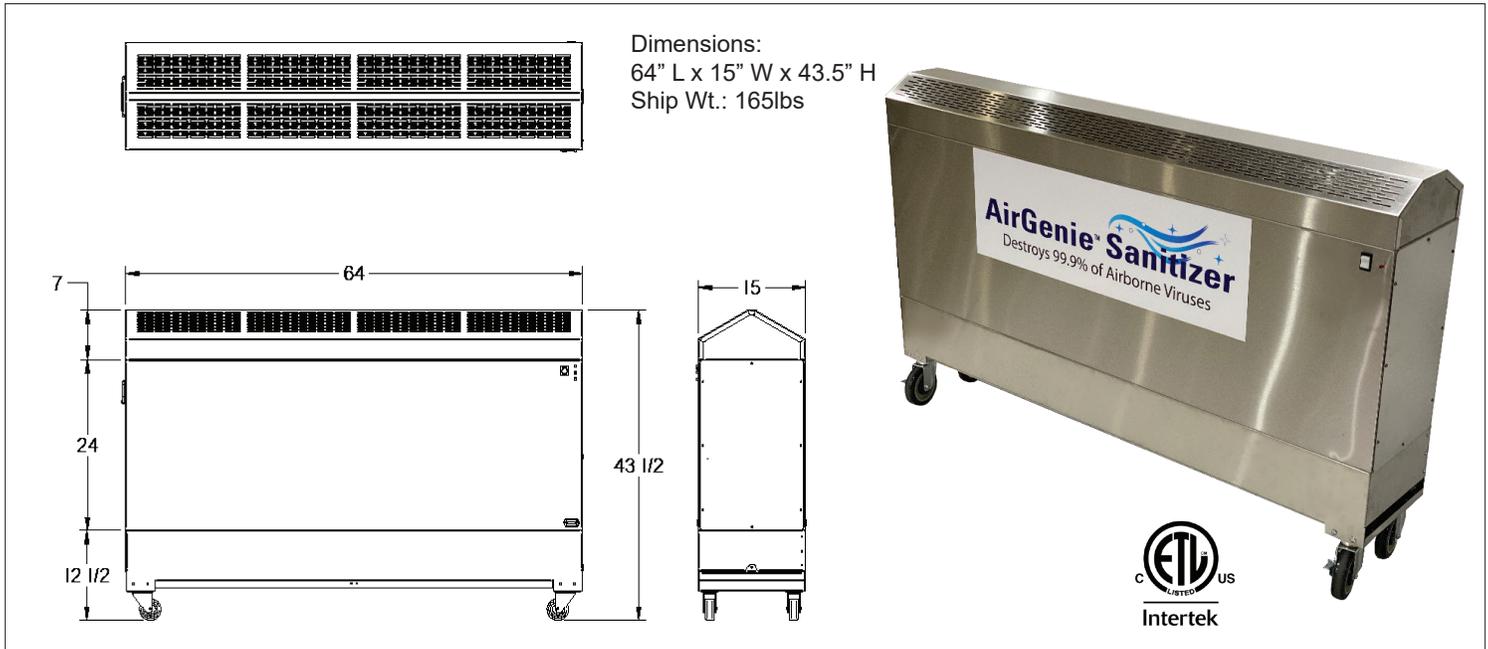
www.fs-sustainability.com

800.351.8875

*Average size classroom 30' x 35' x 9' tall, AirGenie™ is designed to handle up to 1,050 sq. ft. size classrooms at optimal performance with 6 ATH; smaller rooms will have even greater benefits. Larger rooms or ones with high ceilings may require more units to maintain same frequency of air exchange



7.29.2021



Why is this so important?

239 Experts With One Big Claim: The Coronavirus Is Airborne

Ventilation systems in schools, nursing homes, residences and businesses may need to minimize recirculating air and add powerful new filters. Ultraviolet lights may be needed to kill viral particles floating in tiny droplets indoors.

<https://www.nytimes.com/2020/07/04/health/239-experts-with-one-big-claim-the-coronavirus-is-airborne.html?smid=em-share>

The Centers for Disease Control and Prevention

On Wednesday expanded how it defines a “close contact” of someone with Covid-19 as it released new evidence showing the coronavirus can be passed during relatively brief interactions. Previously, the CDC described a close contact as someone who spent 15 minutes or more within six feet of someone who was infectious. Now, the agency says it’s someone who spent a cumulative 15 minutes or more within six feet of someone who was infectious over 24 hours, even if the time isn’t consecutive, according to an agency spokesperson. <https://www.statnews.com/2020/10/21/cumulative-time-covid-19-spread/>

World Health Organization

An aerosol is a respiratory droplet so small it may linger in the air. In its latest description of how the virus is spread, the agency said transmission of the virus by aerosols may have been responsible for “outbreaks of Covid-19 reported in some closed settings, such as restaurants, nightclubs, places of worship or places of work where people may be shouting, talking or singing.”

<https://www.nytimes.com/2020/07/09/health/virus-aerosols-who.html>

Spread of Delta variant marks ‘most dangerous’ time in pandemic for kids, may force schools to re-up safety measures, experts say

The highly contagious Delta COVID variant quickly spreading through the U.S. may force schools to double down on mitigation measures in order to reopen safely later this summer and into the fall, health experts say. It’s “one of the most dangerous time periods [in the pandemic] for people who aren’t vaccinated,” said Taylor Nelson, a University of Missouri medical doctor specializing in infectious disease. That includes large numbers of young people, she said.

<http://laschoolreport.com/spread-of-delta-variant-marks-most-dangerous-time-in-pandemic-for-kids-may-force-schools-to-re-up-safety-measures-experts-say/>