



2022



PROVIDING SAFE AIR TO SCHOOLS NATIONWIDE



**A West Virginia
Headquartered Company**

CONTACT

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Your room's air can be up to 5 times more polluted than outside air*

30-40%
OF STUDENTS HAVE ALLERGIES

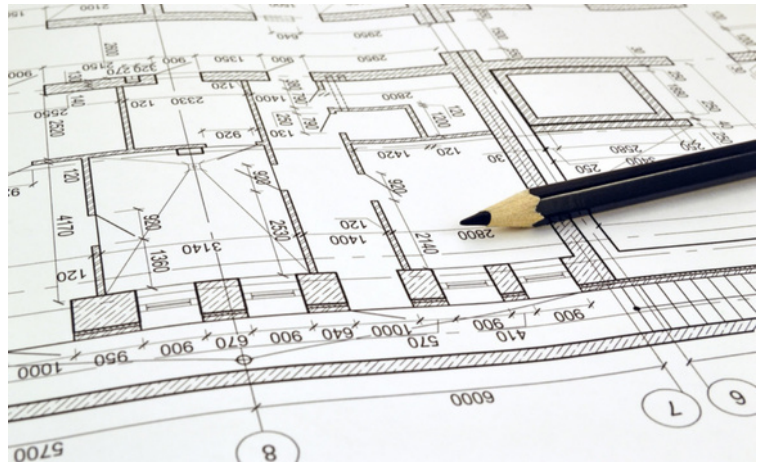
About 6 million children in the US ages 0-17 years have asthma.



Children spend an average of 1300 hours inside school buildings during each school year, with teachers spending even more.

The United States Environmental Protection Agency (EPA) States That indoor air can be up to 5 times more polluted than outside air, May 2016 *Please note Kronos Advanced Technologies air purifiers are designed to use for rooms up to a certain size depending on the model. A single unit is not designed to filter the air throughout the entire building.


















Kronos is a leading air purifier company founded by a group of technology experts & entrepreneurs. Our team is passionately driven to develop innovative technologies that focus on ZONE Air Purification.



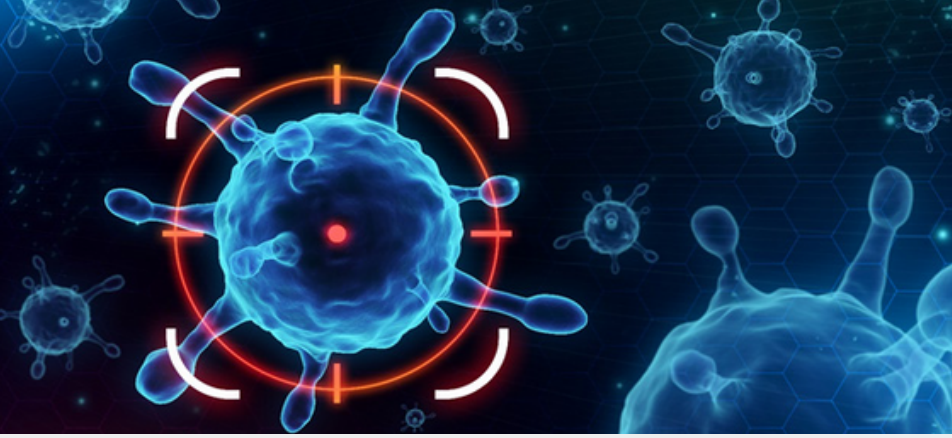
International Awards









Professional Lab Tests & Certificates

 <p>CALIFORNIA AIR RESOURCES BOARD The Clean Air Agency certifies this air purifier as safe for use.</p>	 <p>SGS Suppression Effect of Formaldehyde >99.1%</p>	 <p>SGS Suppression Effect of the Total Volatile Organic Compounds >99.9%</p>	 <p>SGS Suppression Effect of PM2.5 >99.9%</p>	 <p>SGS Suppression Effect of Total Bacteria Counts >99.9%</p>	
 <p>TÜVRheinland Performance on Clean Air Delivery Rate (CADR) in terms of PM2.5 Removal 185.4 Cubic Feet/Minute (CFM) for X5</p>	 <p>TÜVRheinland Ozone Emission <0.01 PPM, Undetectable</p>	 <p>CVC CADR particle: 219.5 CFM CCM particle > 33000mg</p>	 <p>SQEP CADR formaldehyde: 72.9 CFM CCM formaldehyde > 1500mg</p>		
 <p>ETL in process</p>	 <p>MA 16000822171 Remove ultrafine particles down to 14.6 nanometer</p>		 <p>中国认可 国际互认 检测 TESTING CNAS L0095</p>		
					

* Provided By Our Manufacturer



Beyond traditional ionic technology, Kronos's patented technology is tested as the most effective clean air solution on the market. Kronos is a waste free clean air solution. The unique ionic field is proven to effectively kill & remove 99.9% of flu virus & bioaerosols.

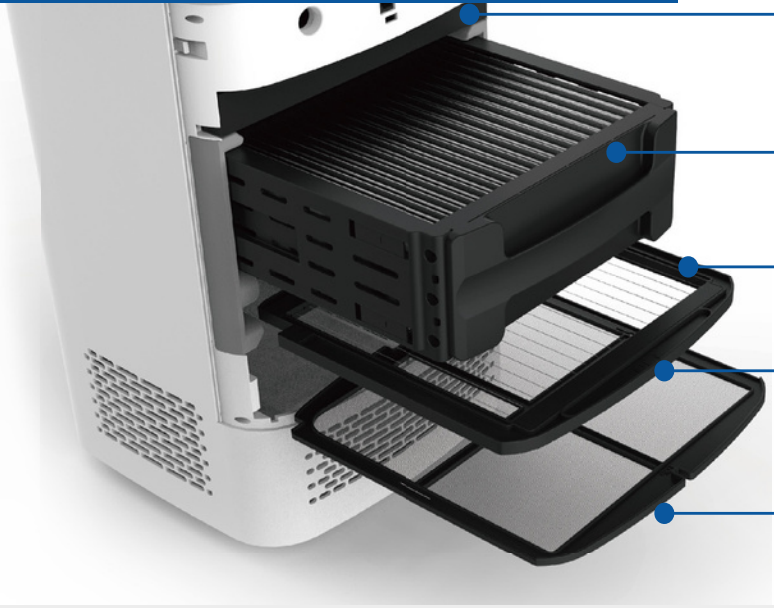
- 
Viruses
- 
Fungus
- 
Germs
- 
Pollen
- 
Dust
- 
Formaldehyde

- 
Mite
- 
Dander
- 
PM2.5
- 
Smoke
- 
TVOCs
- 
Odor

- 99.9% Removal of Indoor Smoke.
- 99.9% Removal of Flu Viruses and Bio-Aerosols.


- 99.9% Removal of PM2.5 and Ultra-Fine Particles Down to 14.6nm.
- 99.9% Removal of Total Volatile Organic Compounds.

JOURNEY TO CLEAN AIR




- Step 5**
Catalyst Filter
The final step in the purification process removes unpleasant odors keeping your air fresh and pure.
- Step 4**
Collecting Plate
Charged particles stick to the collecting plates to remove dangerous toxins from the air.
- Step 3**
Ionic Field
Annihilates bacteria and germs. Charged particles are destroyed.
- Step 2**
Wire Frame
Creates an Electro Field that zaps dangerous particles that would be traveling into our lungs.
- Step 1**
Pre-Filter Screen
Air flows from the bottom and into the Pre-Filter Screen to collect hair, pet dander, etc.


HIGHLIGHTS


Ultra-Fine Particles
Removal of ultra-fine particles down to an amazing 14.6nm! Compare Kronos to HEPA limits of only 0.3 microns, which means Kronos cleans 20X more than HEPA!


Waste-Free Design
Washable and reusable collection plates.


Easy Operation
One button operation.


Smart Mode
The front panel displays air quality index (AQI) and self-adjusts air flow rate according to the ambient AQI levels.


Quiet Operation
Optimized aerodynamic design and reduced air flow resistance.


Global Tests Validated
Kronos's performance was strictly tested and proven in authoritative test labs.


Eco-Friendly
No disposal of non-biodegradable HEPA filters helps save our planet.


Ozone Safe
EPA-compliant and California Air Resources Board (CARB) certified ozone safe.

DITCH THE HEPA FILTER

Imagine a world with no filter replacements...

With our Auto Mode button you can allow the Kronos Air Purifier to run 24/7 all by itself! Auto Mode automatically adjusts the fan speed according to the pollution levels that the AQI (Air Quality Index) is reading. This feature not only makes monitoring your room's air quality easy to do, it also saves you money on energy bills and gives you peace of mind!

Saves Money

Since mold and bacteria like to grow on HEPA filters, you need to replace the filters every 6 months. Spending money on HEPA filters can easily cost \$500 per year, and the better quality HEPA filters cost even more. Kronos Air Purifier for mold takes the hassle out of buying replacement filters which makes Kronos the most economical option for clean air.

What Makes Kronos Different?

No deterioration in performance as a result of a clogged filter.

Kronos Terminates VS Collects

HEPA traps pollutants such as pollen and dust, while Ionic technology destroys these toxins and eliminates them from our air. Often times HEPA air purifiers will stop working when the filter isn't changed regularly. Pollutants that were once collected can escape back into the air! Furthermore, when the temperature is warmer and humidity is in the air, mold and bacteria grow on the HEPA filter causing bad odors and hazardous waste generated during the process. Kronos's washable collecting plate solves this problem by creating an easy clean system that is safe and effective. Just wash with detergent and warm water or put in a Kronos provided cleaner.

More Effective

CCM (cumulative cleaning mass) is the technical term for how much filth a HEPA could trap before it loses 50% efficiency. In an easy-to-understand experiment, lab researchers have quantified that as little as 45 cigarettes would yield such failure in a typical HEPA air purifier. To add some perspective, after 440 cigarettes, about 10 times more than the HEPA's 45, the cleaning capacity of Kronos' Air Purifier is only reduced by 0.2%. This means that Kronos can filter 10 times more smoke while retaining 250 times more cleaning capacity!

Waste-Free

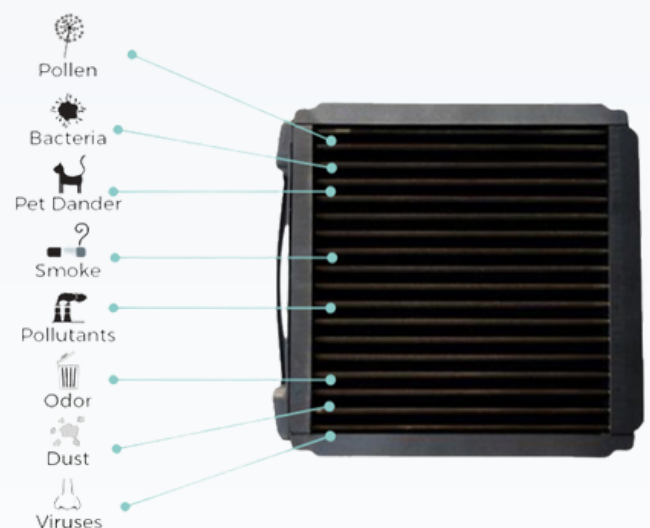
With the waste crisis on earth, it is vital that we do our part to contribute to a better planet and a better future. HEPA filters are made of dangerous fiberglass material that is damaging to our environment.

Clean Collecting Plate



Easily cleanable by janitorial staff with Zero recurring expenses. Resulting in Kronos's CAPEX being repaid every 14 months when compared to competitors' replacement filter cost.

Collecting Plate After 1 Month



THE ULTIMATE TEACHER EXPERIENCE

Smart Control

With our Auto Mode button, you can allow the Kronos Air Purifier to run 24/7 all by itself! Auto Mode automatically adjusts the fan speed according to the pollution levels that the AQI (Air Quality Index) is reading. This feature not only makes monitoring your room's air quality easy to do, it also saves you money on energy bills and gives you peace of mind!

One Button Operation

There is no need to waste time on operating a complex machine. Instead, Kronos operates effectively with a push of a button. This feature makes monitoring the classroom's air quality easy to do. Either way, simplicity and convenience is paramount in our Kronos's Model 5 and Model 8 design.

Child Lock

Prevents students from playing with the settings.

Night Mode

This feature allows the user to maintain an active air purification cycle after hours without having a shining operating light source identifying its position to unwanted eyes.

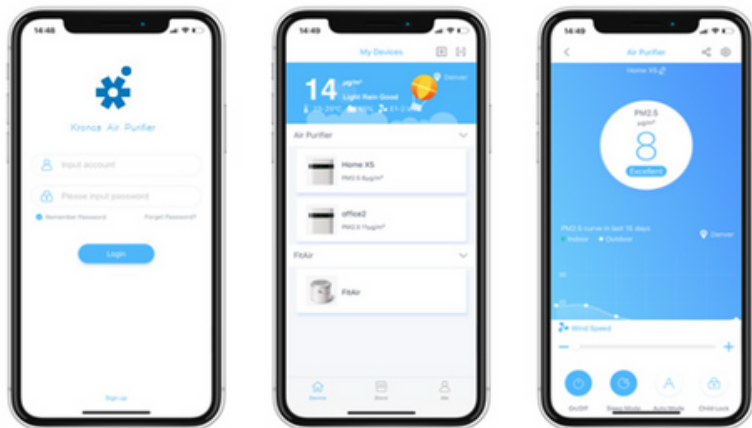
WHISPER QUIET

You will hardly know it's there. Kronos's noise level ranges from 22 dB (sleep mode) to 57 dB (turbo mode), an average of 34 dB which is half of traditional air purification systems. This is about as quiet as a soft hum.

SMART APP & REAL TIME AQI

Based on the World Health Organization's standards of air quality, Kronos's Air Quality Index (AQI) ranges from 0-500 and is built into the digital display! The indicator light changes from red to orange, to yellow, to green, and allows you to easily monitor your room's quality of air. This feature provides the teacher direct control and real-time monitoring capabilities, the unit itself is Smart App compatible.

Connect your Kronos device to your phone with Kronos Smart App that displays real time AQI, and acts as a remote control.



With the Kronos Model 5 SMART APP

Use your phone as a remote control. Turn unit on, off, set to sleep mode, set child lock, or adjust filtration settings. Track real-time air quality in your classroom or office and notice how it stacks up to outdoor air quality.





Kronos Air 5G Model 5

Our flagship product is for superior air purification. Our revolutionary washable collection plates are more effective, more affordable, and better for the environment. Ideal for single use in administration offices or used in multiple configurations in larger classrooms providing the ultimate in Zone Air Purification.

FEATURES



Higher Efficiency



Real-time Data



Child Lock



Budgets



Low Noise



Automatically



No Filters



App Controlled(Optional)

PRODUCT SPECS

Applicable Area	400 ft2 40 m2
CADR PM2.5 Particle	185 CFM 310 m ³ /h
CADR Formaldehyde	90 CFM 150 m ³ /h
CCM Particle/Formaldehyde	P4/F4



Ozone	≤10 ppb(Standard:50 ppb)
Noise	≤65 dB(A)
Size (in)	26(H)*12(L)*12(W) 65cm*31.6cm*30.6cm
Power	60 W
N.W.	24 lb 10.7 Kg




Kronos Air 5G Model 8

Our advanced engineered air purification technology is now available for the largest spaces.

FEATURES

14.6_{nm} Clean Down to 14.6nm

 Disassemble Test Module

39_{db} Low Noise



Independent Lighting Control



Washable Filter



APP Remote Control

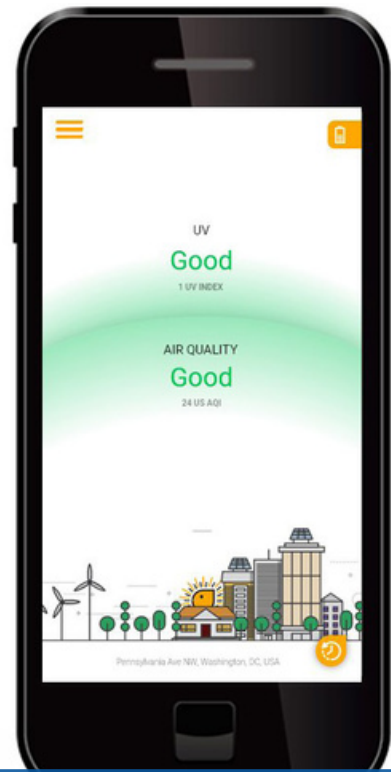
PRODUCT SPECS







Applicable Area	1000 ft ² 92 m ²
CADR PM2.5 Particle	500 CFM 800 m ³ /h
CADR Formaldehyde	190 CFM 320 m ³ /h
CCM Particle/Formaldehyde	P4/F4

Ozone	≤10 ppb(Standard:50 ppb)
Noise	≤65 dB(A)
Size (in)	30(H)*15(L)*15(W) 76cm*38cm*38cm
Power	110 W
N.W.	43 lb 19.7Kg

CANARIO SENSOR



PRODUCT SPECS, (WEARABLE DEVICE)

 Height: 56 mm
  Width: 46mm
  Thickness: 24mm
  Weight: 70g

The Canario personal air monitor alerts you to possible virus threats, pollutants, and UV radiation, helping you avoid areas that pose a risk. Developed by leading engineers and virologists, Canario's revolutionary, portable device scans the air 24/7, tracking the air quality of your environment and alerting you to the risk of saliva droplets (which may contain viruses), UV radiation, pollutants, and more.

HOW DOES CANARIO WORK IN 4 SIMPLE STEPS

▶ Sensor scans the air around you

An innovative sensor scans the air 24/7, identifies tiny saliva particles, measures Air quality and UV radiation.



▶ Detects droplet spray which may contain viruses

Identifies tiny saliva particles expelled by talking, coughing and sneezing, which may contain viruses and are the major infection cause of the Covid-19 pandemic.

▶ Analyzes data by an Artificial Intelligence-based system

Analysis of the data collected from the various devices about droplet spray, air pollution and UV radiation. Storage and analysis of events from the past and present, data management through an artificial intelligence machine learning system.

▶ The device flashes, vibrates and sends a mobile alert immediately upon Droplet Spray detection

Warning about the presence of droplet spray that may contain viruses, poor air quality, exposure to UV radiation and reporting of clean air. Ensures accurate Individual Contact Tracing based on Data Analytics.

ALL THE BENEFITS

- Identify droplet spray that may contain viruses Including Covid-19.
- Real-time mobile alerts
- Easy-to-use free app
- An artificial intelligence-based system
- Innovative and well-designed sensor



Eliminates pathogens by electrifying **Graphene Filter**. Proved 99.85% effective against Human coronavirus.



Social Distancing

Creates an **Invisible Air Screen** between areas and people to enforce social distancing.



Graphene Filter

First air purifier using the **Wonder Material Graphene** to deliver superior filtering results



Tabletop Device

Slick and portable device that can be placed on any table or counter area



Air Exchange Capacity

Recycles the air 8 x per hour in a 50 sq. ft protection bubble

VIRAL WALL

When placed between people the device creates an invisible Air-Wall preventing the spread of air droplets and airborne particles to create safe zones at work.

ViralWall™ Specifications

Graphite Black

Black body + gray front panels

→ **Product Size**

W 15.8 in (40 cm)
H 6.3 in (16 cm)
D 3.2 in (8.2 cm)

→ **Air cleaning levels**

3 levels

→ **Filter change indicator**

Low power consumption

→ **Power outlet**

115V/220V

→ **Air screen size**

4ft (1.2 m) wide x 5ft (1.6 m) high



→ **Air exchange capacity**

Level 3: 21CFM / 35 m³/h
Recycles the air 8 x per hour in a 50 sq. ft. protection bubble

→ **Warranty**

1 Year Limited Warranty

Why schools need Kronos

- Indoor air quality is no laughing matter in schools. It's actually a grave issue in this day and age.
- Did you know that children spend an average of 1,300 hours in school buildings during the school year? This means that indoor air quality is crucial to ensure the health and safety of students and staff.
- Air quality has an incredible impact on a student's success. When they're exposed to pollutants in the air, it can lead to asthma and other respiratory problems, as well as, reduce their mental focus and ability to concentrate.

More than 90 percent of the world's population breathes polluted air, with particulate matter concentrations above the safety threshold set by the World Health Organization. A research team led by Simon Fraser University (SFU) in Canada has investigated the benefits of using air purifiers to reduce the negative impact of air pollution on brain development in children.



The research suggests that children's verbal skills may be particularly sensitive to exposure to air pollution. Thus, reducing pollution during crucial brain development stages early in life could be an efficient way of improving children's cognitive development around the world.

Air pollution is everywhere, and it is preventing children from reaching their full potential.

In addition, other published research links early-life air pollution exposure to the development of hyperactivity in children. Biological mechanisms, including narrowed blood vessels and toxicity in the brain's frontal cortex, are triggered by air pollution. The US study was conducted by the research teams at the University of Cincinnati and the Cincinnati Children's Hospital Medical Center.

Hyperactivity symptoms

Hyperactivity is one of three major groups of symptoms associated with attention deficit hyperactivity disorder or ADHD. Symptoms typically appear by age 7. Symptoms of hyperactivity include restlessness, impulsiveness, and a lack of focus which can affect academic performance. More specifically, according to the NIH, there are five common symptoms of hyperactivity in children:

- Leaves seat when remaining seated is expected
- Runs about or climbs in inappropriate situations
- Has difficulty playing quietly
- Is often “on the go,” acts as if “driven by a motor,” talks excessively

Medication therapy is recommended only for those with the most severe symptoms. As many as half of the children with ADHD continue to have symptoms into adulthood.

Why does it matter?

Researchers followed the health of more than 500 children living in the Cincinnati metropolitan area. They observed a significant increase in hyperactivity among those children exposed to elevated levels of elemental carbon pollution from vehicular traffic. The research on the link between particle air pollution and hyperactivity seems to confirm the findings of a group of researchers in Canada, who found a strong association between particulate pollution and the prevalence of ADHD.

At the time of the study, Cincinnati was rated #10 among the worst cities in the United States for year-round particle pollution. While as of 2022 West Virginia's air quality is the fourth worst overall in the U.S., with an index of 47.6.



What Teachers Say

We are ecstatic to be able to put the Kronos air purifier in our space. We have almost 500 students that attend weekly classes in the library, which has no windows to ventilate, and the doors we cannot prop open. Clean air is a major concern for us. This device will allow us to clean our air and reduce student and staff anxiety during this time of uncertainty.

Tera S.
Librarian

In this time of uncertainty, I worry about my students. Their whole world has been transformed overnight. I pondered on what I can do, or say, to make them feel better. I was able to provide my students with a safe and healthy learning environment. One way to enhance my classroom cleanliness is to provide healthy, clean air. This air purifier will help minimize germs and help clean our air so we can focus on learning. The purifier will provide a cleaner environment and peace of mind to my students, so we can focus on learning.

Amani M.
Teacher

