

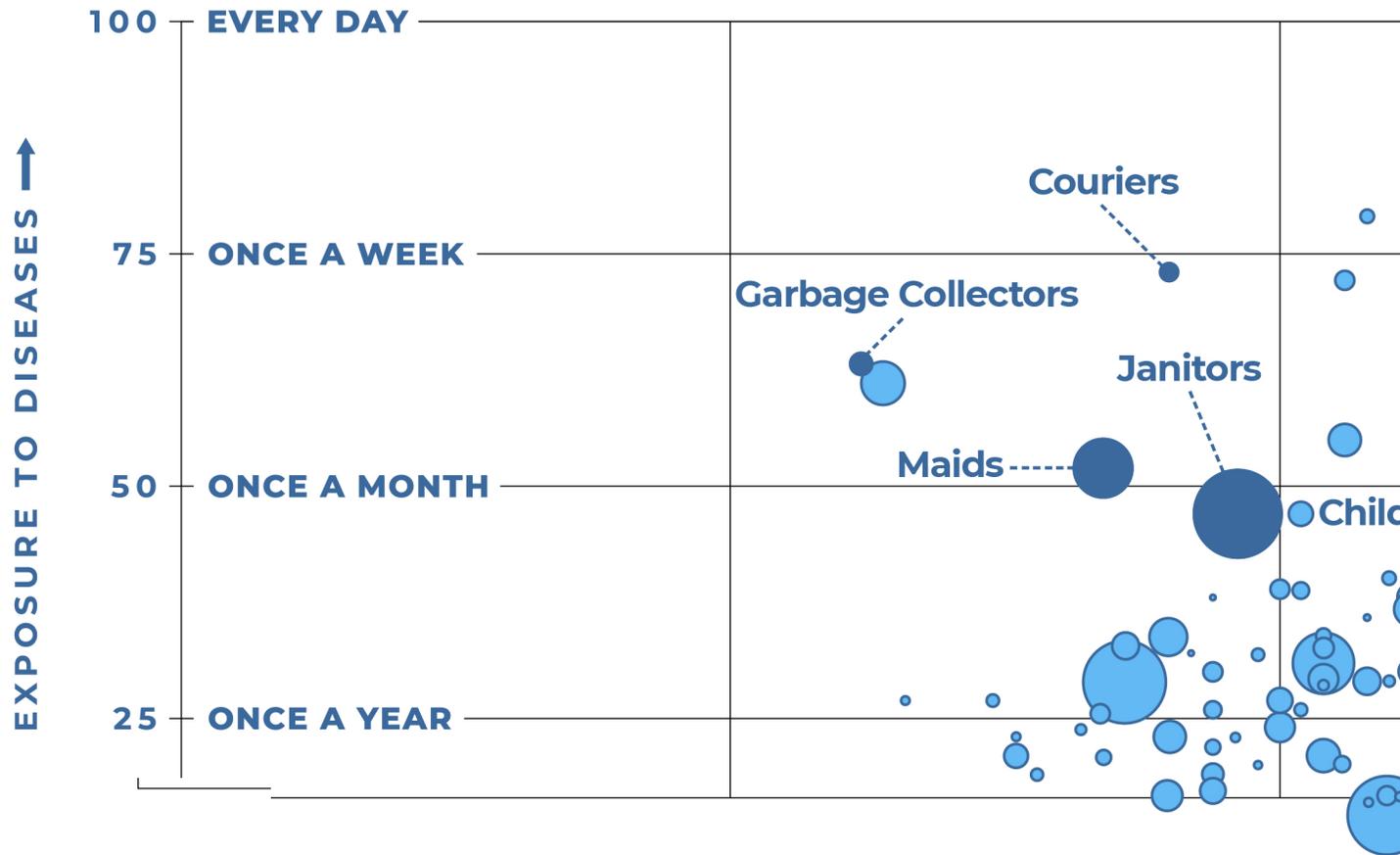


**EnviroKlenz®**

Advanced Air Purification for  
Pathogens, Chemicals and Odors

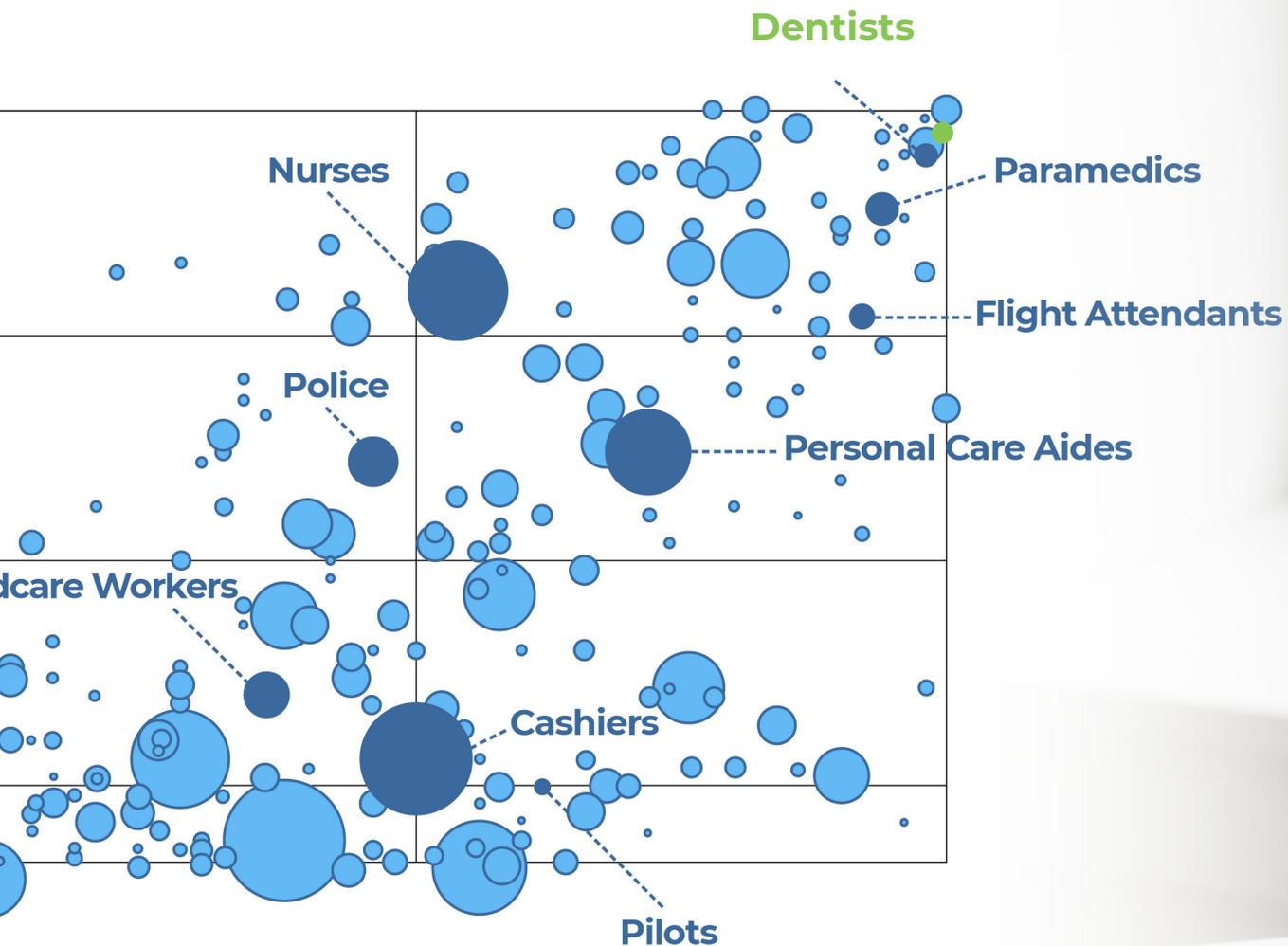


# Risk of Exposure by Occupation in the United States

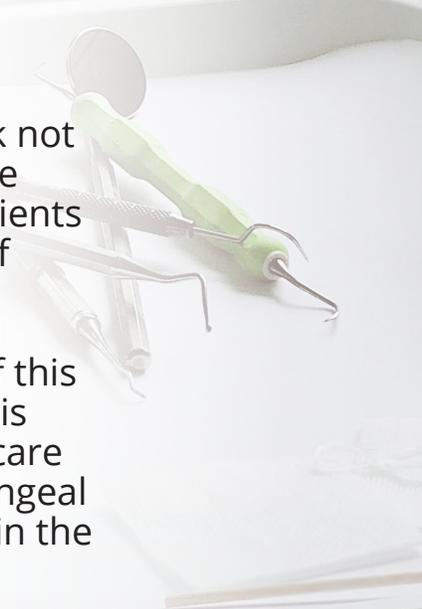


- The X-Axis Depicts the Frequency that each Profession is Exposed to disease and infections
- As the Coronavirus Continues to Spread, essential workers with the closest proximity to others have the greatest risk of exposure
- The Bubbles depicted on the chart illustrate the occupation and the larger the bubble the greater the population in that workforce
- The Y-Axis represents the average proximity to others during a workday
- Health Care Works are at the greatest risk to diseases and infection daily and have the highest proximity to one another and patients

# States



The widespread transmission of COVID-19 has become a risk not only for the everyday American, but also to those health care providers who are having extreme levels of contact with patients during this pandemic outbreak. The American Association of Endodontists (AAE) have stated that **dental professionals, in particular, are experiencing high risks for nosocomial infection** and even have the potential to become carriers of this disease. Dental professionals increased exposure risks to this highly infectious respiratory disease stems from this healthcare workers close contact and proximity to a patient's oropharyngeal region - which can include aerosol generation of saliva within the air space of this dental setting.



# EnviroKlenz® Air Cartridge

The EnviroKlenz® Air Cartridge utilizes a patented blend of earth minerals that works through a process of destructive adsorption of chemical odors, VOCs, viruses, and microorganisms.

As the polluted air is first drawn into the EnviroKlenz® Air Cartridge, the contaminants are adsorbed and broken down by the EnviroKlenz® Technology without releasing any harmful chemicals or byproducts back into your environment.

## Key Benefits

- The technology used in the EnviroKlenz® Air Cartridge was originally designed and still used by military's around the world for the decontamination of chemical warfare agents
- No doping agents, masking agents, or fragrances are used in the EnviroKlenz® Technology
- The EnviroKlenz® Technology will never release any harmful byproducts or pollutants back into your environment
- The technology works against a broad array of chemical classes, particulates, odors, and microorganisms making it an efficacious and safe solution for home, business, and industrial use

## Third Party Tested & Validated

Testing shows that the EnviroKlenz® Air Cartridge alone provided a:

**99.9%**

**Reduction of Viruses**

**99.9%**

**Reduction of Mold**

**99.9%**

**Reduction of Fungus**

**99.9%**

**Reduction of E-coli**

In this test the only filter inside the unit was the EnviroKlenz Air Cartridge. The test unit was placed in a sealed test chamber measuring 1000ft and a microbial suspension was aspirated into the chamber.

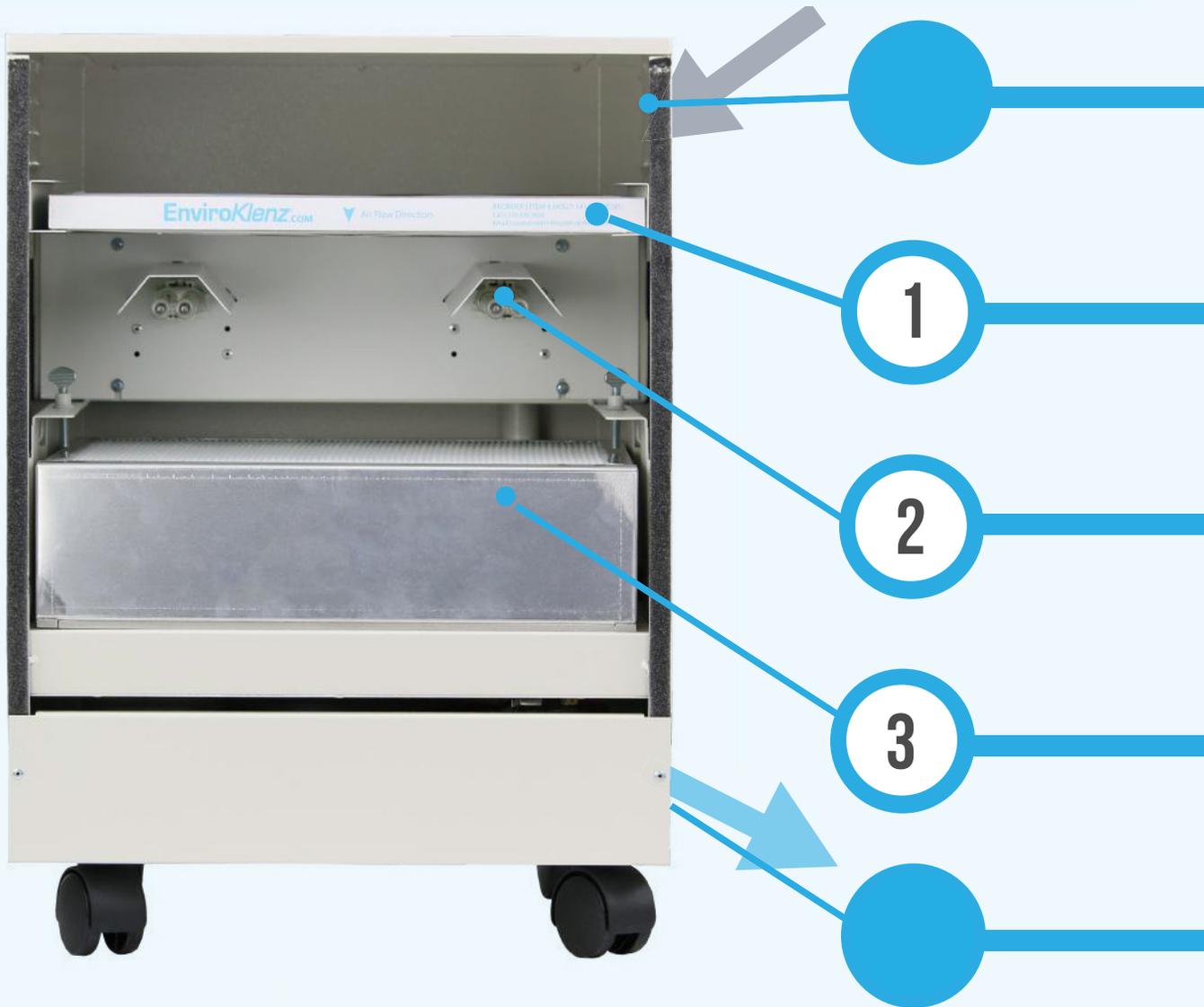
[View full test report](#)

- Neutralization of toxic and noxious chemicals and odors

- Safe and Effective

- Microbial Inactivation

The EnviroKlenz® Air System Plus safely and effectively combines advanced chemistry technology, HEPA filtration, and Germicidal UVC to capture and destroy airborne toxic and noxious chemicals, particulates, bacteria, viruses, and other allergy triggers.



## Technical Specifications:

**CFM:** 85, 150, 200, 250

**Power:** 115 volts

**Decibel:** 55, 56, 59, 62

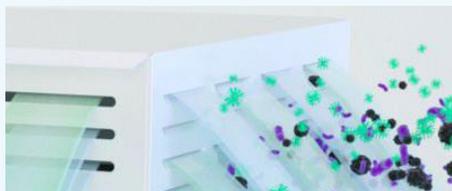
**Weight:** 38lbs

**Dimensions:** 22" x 15.5" x 15"

**Room Size:** Treats Up to 1000 Square Feet

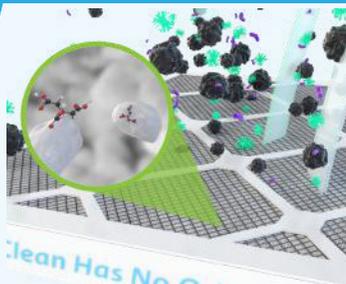
# Stage Filtration

## Air Intake



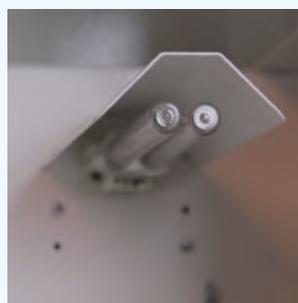
- Air is pulled into the EnviroKlenz® Air System Plus through vents on three sides
- 250 CFM

## EnviroKlenz Air Cartridge



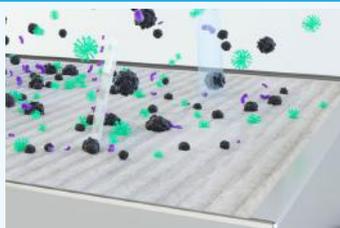
- Earth Mineral Technology
- No by products or harmful agents
- EnviroKlenz Air Cartridge is effective against toxic or noxious odors and chemicals through our proprietary "Adsorptive Neutralization" process.
- The EnviroKlenz Air Cartridge is designed to last 4-6 months, ensuring that the unit operates at peak odor removal efficiency at all times.

## UVC Bulbs



- 254nm wavelength
- UVC lamps are located before (and radiating on) the collection side of the HEPA filter. Unlike systems that depend on killing/inactivating the organisms as they pass through the UVC light in a very short period of time, the UVC light is continuously shining on the collected organisms with a very high efficiency of kill.

## HEPA Filter



- Capture Particulates as small as 0.3 microns at a 99.99% rate
- The HEPA filter captures harmful dust, particulate, allergens, pet dander, microorganisms, and more.
- Because there is no bypass around the HEPA filter, every unit performs at HEPA efficiency.

## Air Out-take



- Clean air flows through vents on the front of the system

[Learn More](#)

# The Solution for Your Practice's Air Quality

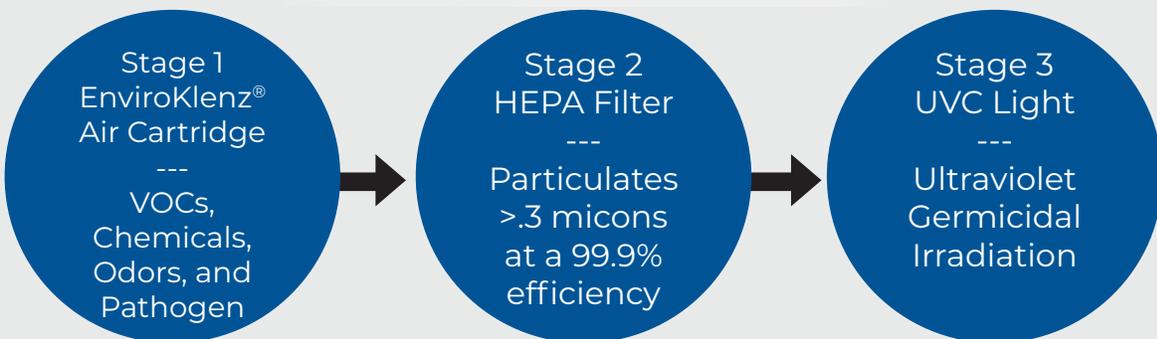


Air System

PLUS



## ✓ 3-Stage Filtration



- ✓ Made in the USA
- ✓ Solid Metal Housing
- ✓ Easy to Clean and Disinfect

## System Specifications

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### Cabinet

- Powder Coated Metal Housing
- Dimensions: 22" : x: 15.5" x: 15"

### Filter

- EnviroKlenz 14"x14"x1" Cartridge
- HEPA Filter 14"x14"x4"

### Power Requirements

- 115V/60Hz/1 amp

### Square Foot Coverage

- 1,000

### Rated Air Flow of Fan (for each speed)

- Whisp-Air: 85CFM
- Low: 150CFM
- Medium: 200CFM
- High: 250CFM

### Noise Level

- Whisp Air: 54 dB
- Low: 56 dB
- Medium: 59 dB
- High: 62 dB

### UVC

- (2) 9w Germicidal UVC bulbs

## Applications:

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- Chemical pollutant mitigation and control
- Allergens and other environmental trigger control
- Viricidal

# EnviroKlenz Source Capture System | 3 Stage P

The EnviroKlenz Source Capture System is a versatile air system that utilizes the EnviroKlenz Air Cartridge, HEPA Filter, and UVC bulbs. It is a standalone device that takes advantage of EnviroKlenz Technology in a “directed point of source” system for critical applications. The small footprint (16” x 16”) of the device makes it ideal for uses in a variety of sized rooms. The adjustable arm allows the user to manipulate the device to draw air from the source point. When the device is not being used for critical source capture, it can additionally be converted and used as a total room air purifier.



## Key Product Specifications

- Direct source capture via 4-foot suction hose attachments (2.5” diameter hose with a 4.5” diameter suction cone).
- Conveniently placed 10-amp outlet on a system with 2 USB ports.
- Patented EnviroKlenz Technology cartridge tested and validated on removal of microorganisms at 99.9% efficiency
- High CFM capability (multi speed). Over 200 CFM suction.
- Germicidal UVC lights
- Medical-grade HEPA Filter
- Made in US with a 5-year warranty

[Learn More](#)

# Filtration with Direct Suction Hose

## System Specifications

### Cabinet

- Powder Coated Metal Housing
- Dimensions: 22" x 15.5" x 15"

### Filter

- EnviroKlenz 14"x14"x1" Cartridge
- HEPA Filter 14"x14"x4"

### Air Flow

- 250 CFM

### Rated Air Flow of Fan (for each speed)

- Whisp-Air: 85CFM
- Low: 150CFM
- Medium: 200CFM
- High: 250CFM

### Noise Level

- Whisper Mode: 54 dB
- Low: 56 dB
- Medium: 59 dB
- High: 62 dB

### UVC

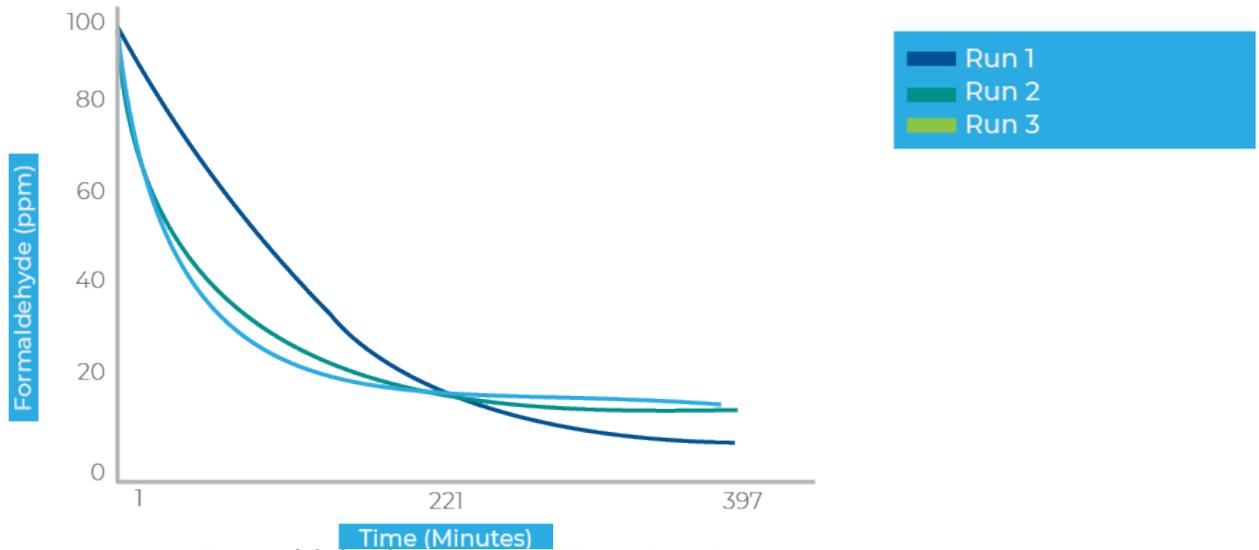
- (2) 9w Germicidal UVC bulbs



# Tested and Validated

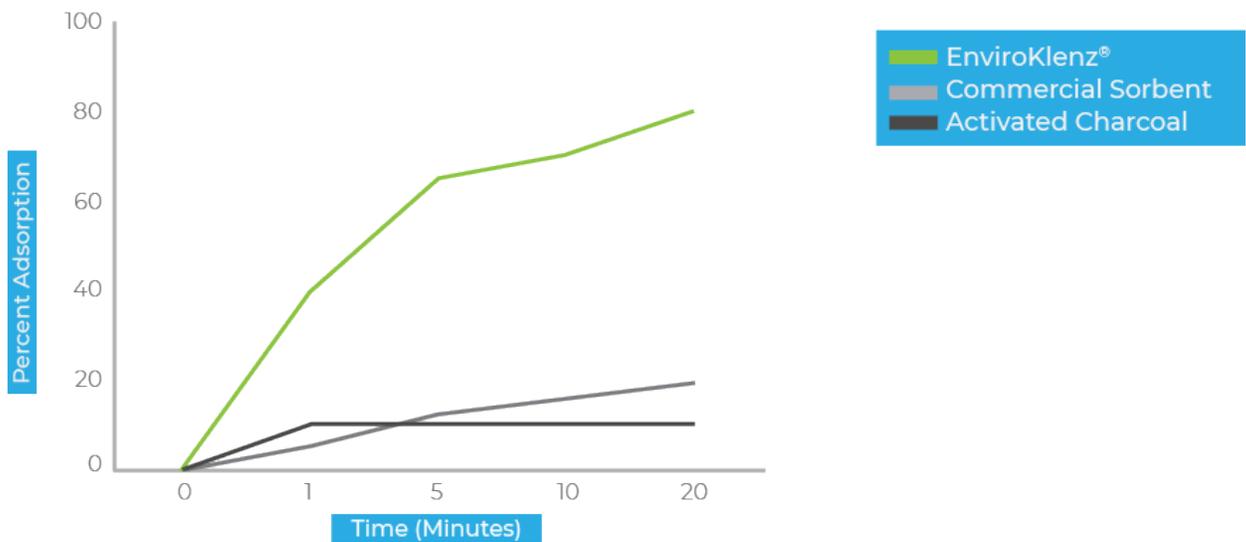
EnviroKlenz® is a Registered Trademark of Timilon Coporation, Bonita Springs, Florida, USA. EnviroKlenz® is produced in the USA and is protected by multiple USA and International patents including

AIR PRODUCTS: 6,887,302 - RE 39098 - 7,276,640 - 8,038,935 - 8,496,735



Formaldehyde (ppm) vs. Time (min)

Once the chemical contaminate is inside the proprietary EnviroKlenz® Air Cartridge, an adsorptive neutralization process occurs. This means the chemicals is retained without being released back into the environment.

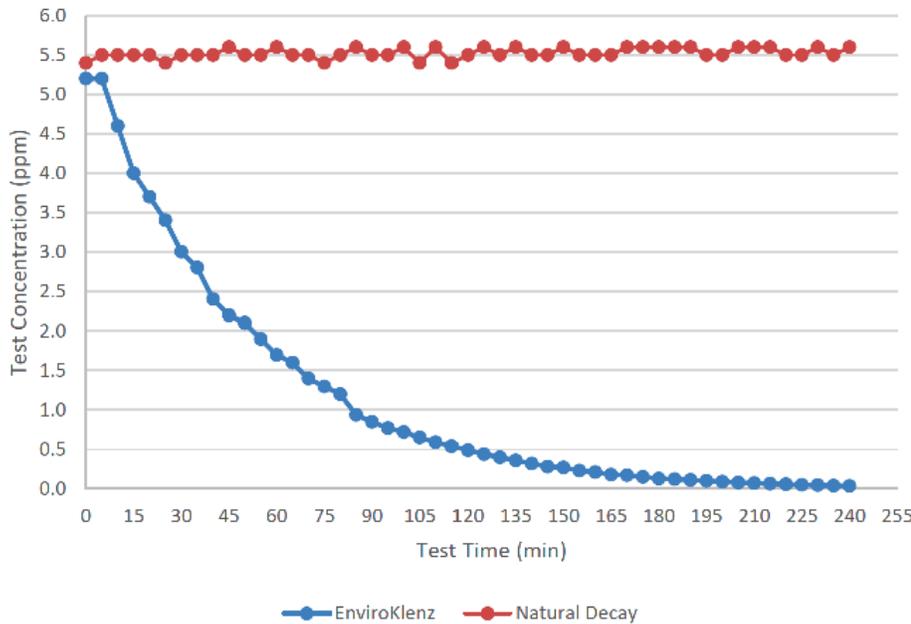


Percentage of Acetaldehyde Adsorbed vs. Time (min)

When acetaldehyde is adsorbed from an air stream, rapid adsorption takes place within the EnviroKlenz® Air Cartridge and almost none with commercial material. Note that activated carbon, a commonly used sorbent, is much less effective.

Technology Tested and Verified by:

**BATTELLE**



## intertek Third-Party VOC Testing:

The testing was conducted in a 1060 cubic foot test chamber. H<sub>2</sub>S was injected and allowed to circulate for 30 minutes before the first reading was taken. The EnviroKlenz® Air System was turned onto the highest setting and decreased the concentration to 0.4ppm in 2 hours and to .04 ppm in 4 hours.

# Complementing Your Dental Office



We recommend one EnviroKlenz® Air System *Plus* per waiting area and laboratory. We also recommend one EnviroKlenz Source Capture System per operator. If your operatories are not fully occupied, you can rotate Systems between those rooms.

\* The colored squares represent the suggested placement of the EnviroKlenz Air System Plus (green) and EnviroKlenz Source Capture System (blue) inside a dental practice.



## Turnover Time Between Patients

	Air Changes (Per Hour)	Time (mins.) required for removal 99% efficiency
	2	138
	4	69
Standard HVAC System	8	35
	10	28
With EnviroKlenz	18	<18

According to **CDC Guidelines for Environmental Infection Control in Health-Care Facilities**, the required turnover between patients in a **1,000 cubic foot area is around 35 minutes** with just an HVAC system providing **8 air changes per hour**.

The EnviroKlenz® Air System would **add an additional 10 air changes per hour** at a 99% efficiency of removal in that 1,000 cubic foot area, decreasing the turnover **time to under 18 minutes**.



*“What got my attention about EnviroKlenz is that it incorporates Medical Grade HEPA Filtration with UVC lights to kill viruses, some get caught up on the particle rating for the HEPA, but UVC lights really make all the difference in the systems effectiveness”*

- Eden Dental

*“We are a dental office struggling to acquire the PPEs we have needed to reopen after the Covid-19 quarantine. Our Timilon rep, Levi, went above and beyond to help us get the machines in time for reopening and even coordinated with our dental supply rep to make it happen. We were pleased and so grateful for the fantastic response.”*

- Quality Care Dental LLP

*“The people at EnviroKlenz made the difference for me. As a dentist navigating the COVID-19 pandemic, they came to my rescue and made the purchase and set up of recommended air purification simple and easy. I highly recommend EnviroKlenz.”*

- Dr. Steve Hilesheim

*“I purchased 3 EnviroKlenz units for my dental office. They are a perfect size to place in the ops and are not loud. I plan to purchase another one for my waiting room and another op. Very easy to assemble and I like the certificate of verification. Nice touch to hang in my waiting room.”*

-Marcella G.

*“We decided on the EnviroKlenz over other air systems because of how powerful and effective it was. Our patients feel more safe and I do not know how we ever went without the EnviroKlenz.”*

-Dr. Dizurigo

## Contact

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**RFS**Commercial.**inc.**  
*transforming space into place*

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- Flooring
- Furniture
- Window Treatments



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