

ENVIROKLENZ® AIR SYSTEM PLUS

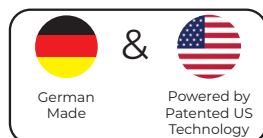
with Germicidal Irradiation UV-C



TECHNICAL OVERVIEW

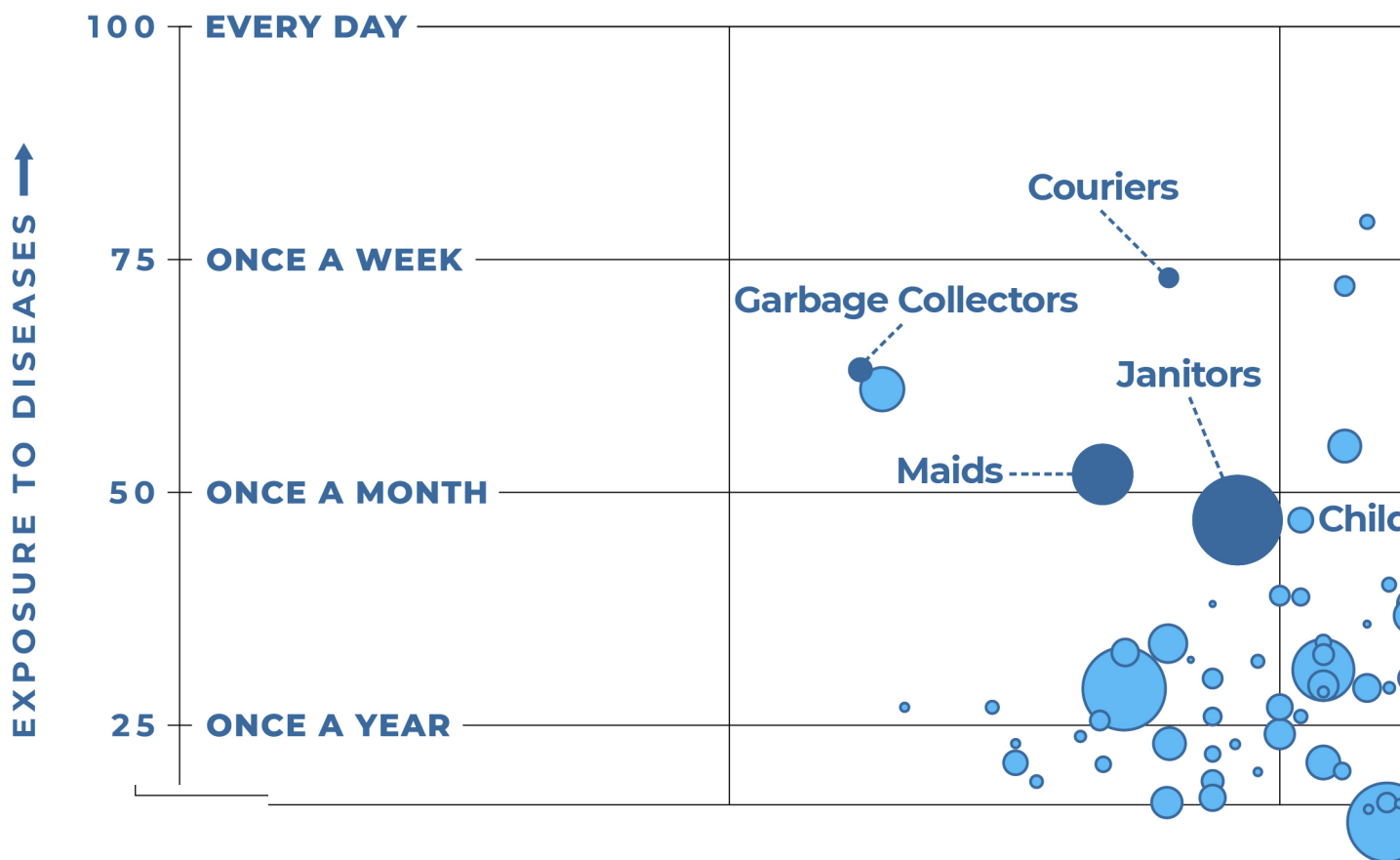
Tested and validated by Intertek Labs, a TGA recognized testing laboratory, to destroy:

- **Virus** (Phi-X174-0.025 microns in size)
-**99.9%** removal rate
- **Gram-negative bacteria** (E.coli)
-**99.9%** removal rate
- **Gram-positive bacteria** (staphylococcus epidermidis)-**99.9%** removal rate



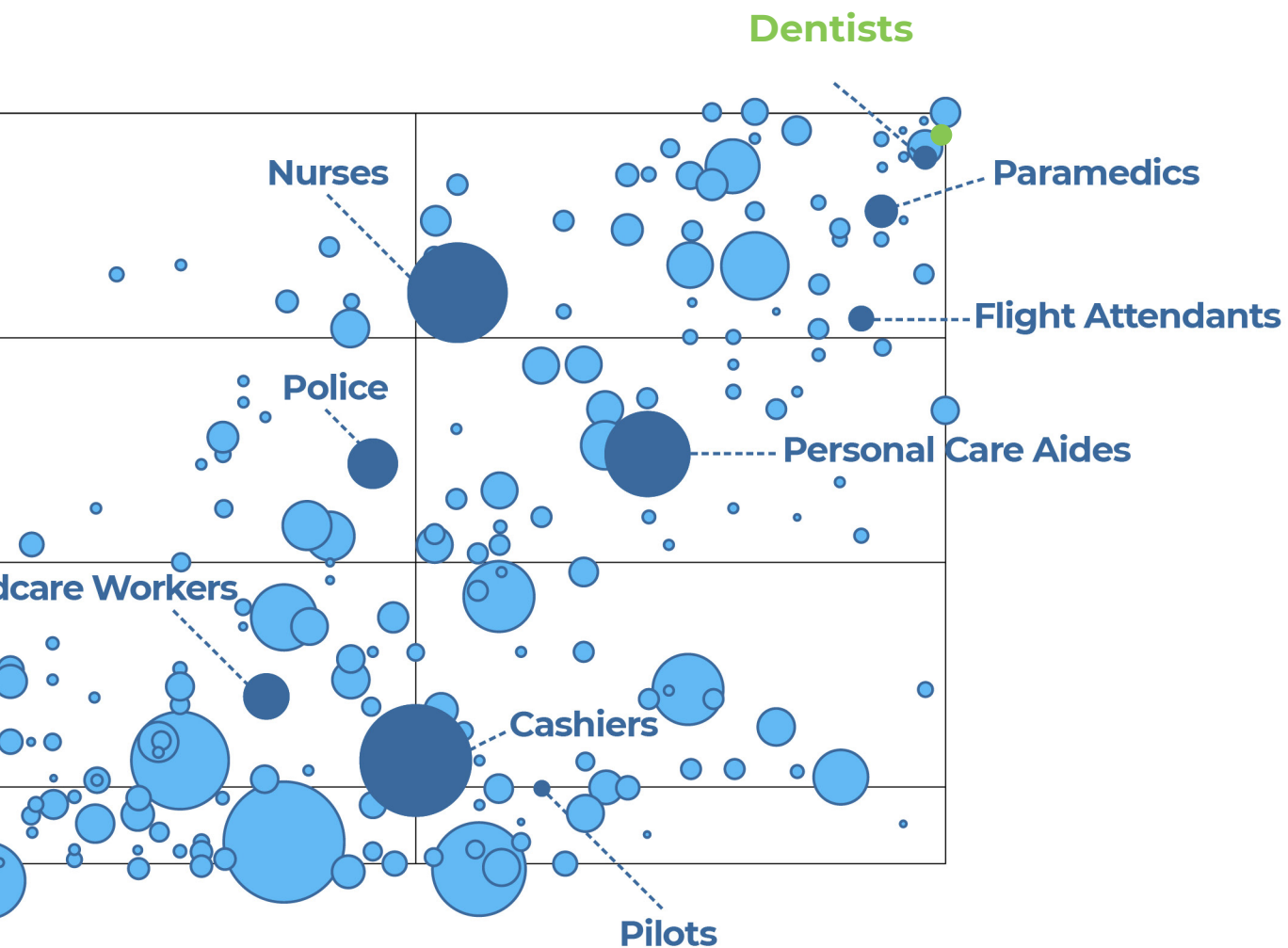
CLEAN STREAM TECHNOLOGIES

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 Workers 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.

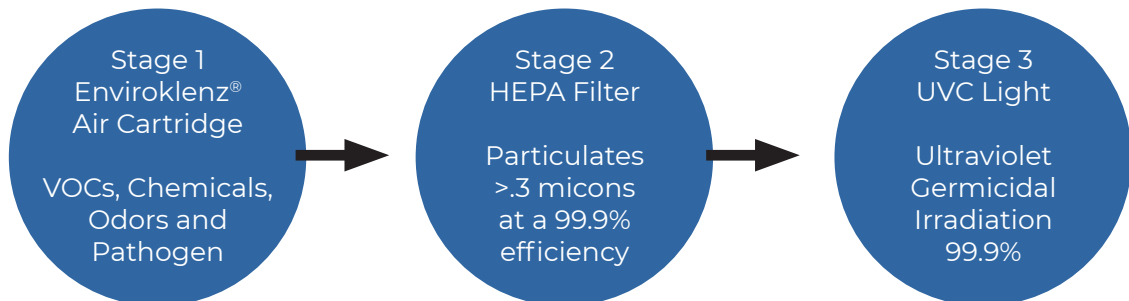
The Solution for Your Practice's Air Quality



Air System **PLUS**



✓ 3-stage Filtration



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

Third Party Tested & Validated

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

99.9%

**Reduction
of Viruses**

99.9%

**Reduction
of Mould**

99.9%

**Reduction
of Fungus**

99.9%

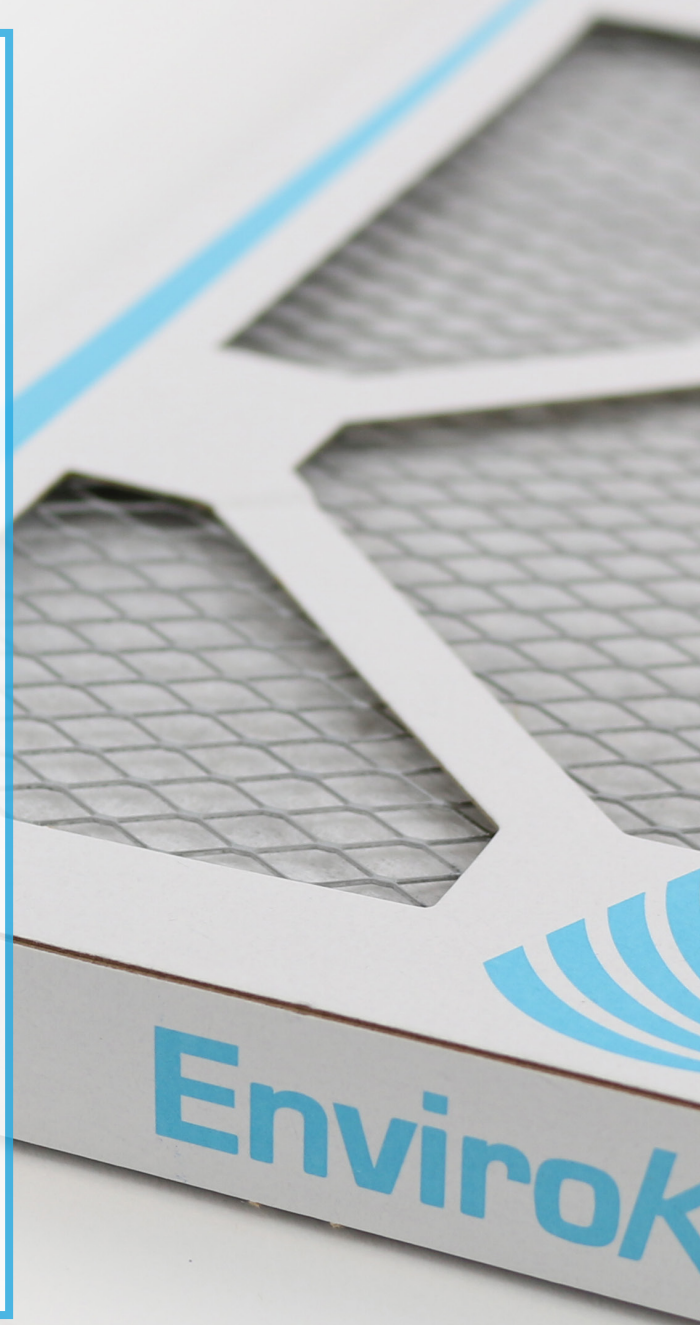
**Reduction
of E-coli**

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.

- Neutralization of toxic and noxious chemicals and odors

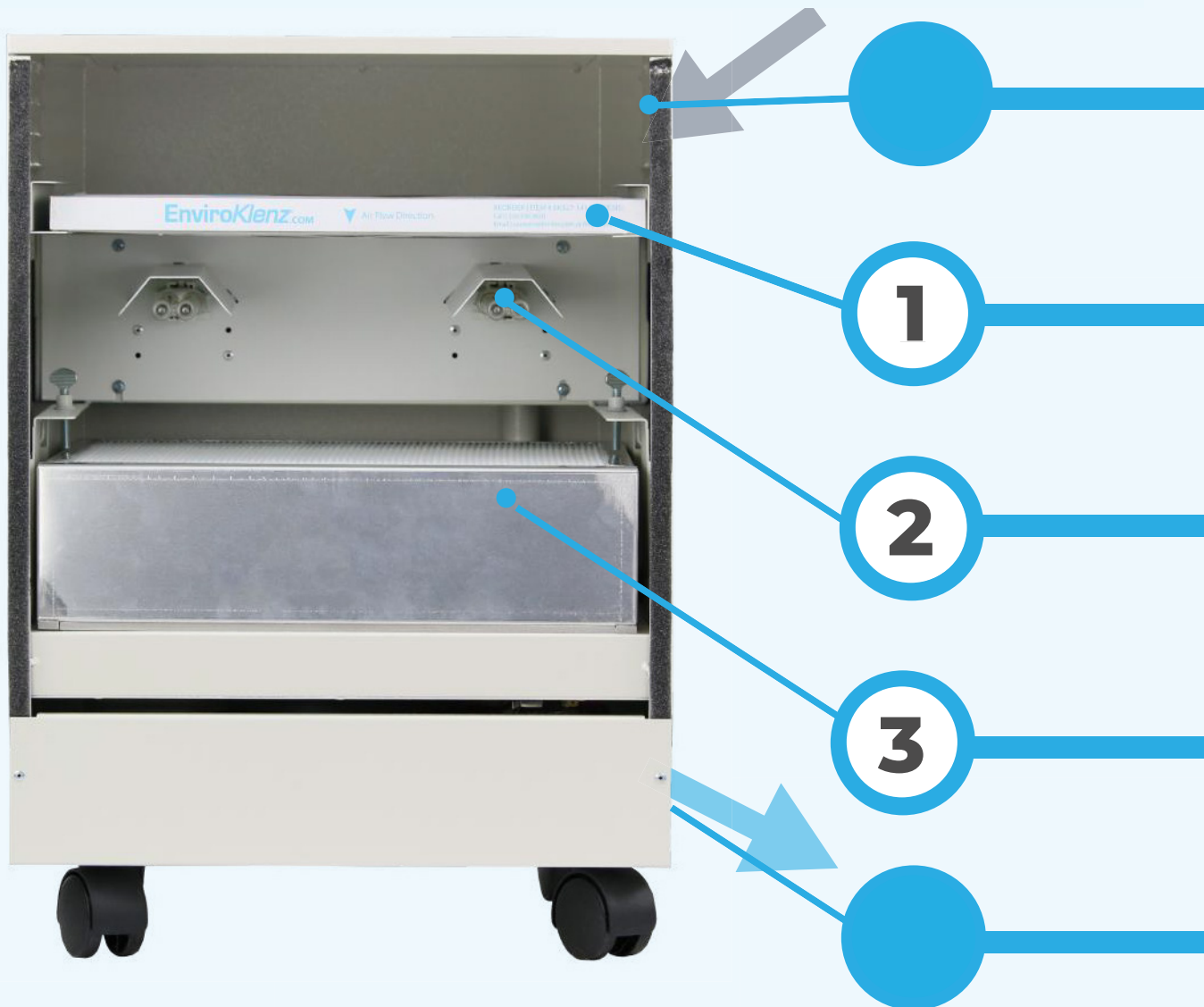
- Safe and Effective

- Microbial Inactivation



EnviroKlenz Air System Plus with UVC

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.

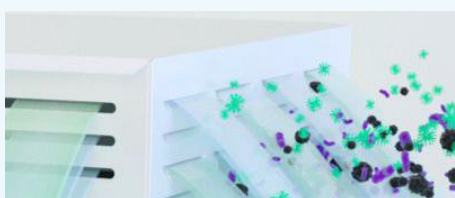


Technical Specifications:

CFM: 85, 150, 200, 250
Power: 115 volts
Decibel: 55, 56, 59, 62

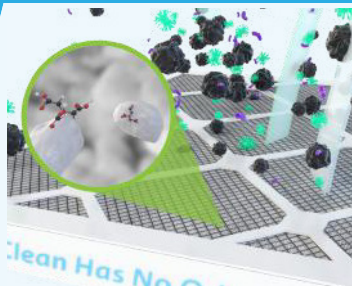
Weight: 38lbs
Dimensions: 22"x15.5"x15"
Room Size: Treats up to 93m²

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 99.9% 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

EnviroKlenz Source Capture System| Option

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

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.



System Specifications

Cabinet

- Powder Coated Metal Housing
- Dimensions: 55cm x 39.9cm x 38cm

Rated Air Flow of Fan (for each speed)

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

Filter

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

Noise Level

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

Power Requirements

- 115V/60Hz/1 amp

UVC

- (2) 9w Germicidal UVC bulbs

Square Metre Coverage

- 93

Applications:

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

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 **93m² 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 93m² area, decreasing the turnover **time to under 18 minutes**.

Contact Us

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• Window Treatments



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