



The World's Smartest
Air Management Platform



A product of Israel



About Aura Air

At Aura Air, we believe the act of breathing should be as nature intended: Clean, pure and simple. A Constant since birth, breathing sets our life's rhythm. Inhale. Exhale. Fresh clean air clears our mind and rejuvenates our body without us committing a second thought.

Unfortunately, air quality today requires our attention. While many of us worry about the air outside, indoor air is in fact five times more polluted according to U.S. Environmental Protection Agency. With most of us spending 90% of our time inside, every breath we take is affecting our overall health more than we may realize.

With a quest to reclaim our natural right to clean air, Aura Air developed the world's smartest air purification system, one that cleanses and disinfects your indoor air while vigilantly monitoring its quality in real-time. Cutting-edge in design, Aura is remarkably simple to install and effortless to operate.

Just hang it up and plug it in. We do the rest. Because breathing shouldn't require a second thought.

Aura Air

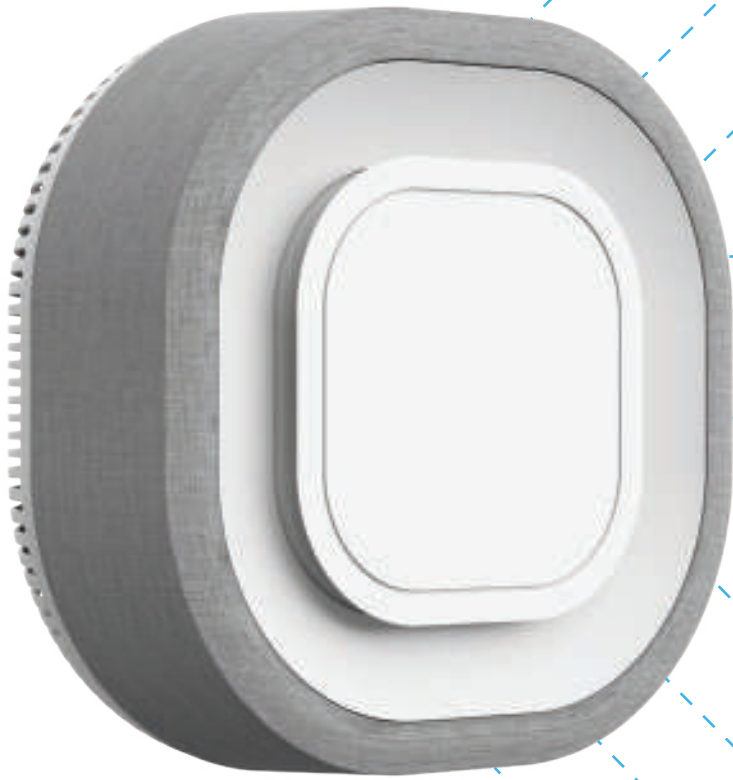
Breathe easy



understanding Air quality

AIR QUALITY INDEX		
Index Value	Levels of health concern	Cautionary statements
0-50	Good	None
51-100*	Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion outdoors
101-150	Unhealthy or sensitive groups	Active children and adults and people with lung disease, such as reduce prolonged or heavy exertion outdoors.
151-200	Unhealthy	Active children and adults and people with lung disease, such as asthma should avoid prolonged or heavy exertion outdoors. Every else, especially children should reduce prolonged or heavy exertion outdoors.
201-300	Very Unhealthy	Active children and adults and people with lung disease, such as asthma should avoid all outdoor exertion. Everyone else, especially children should avoid prolonged or heavy exertion outdoors.
301-500	Hazardous	Everyone should avoid all physical activity outdoors.

Presenting Aura



Multi Stage Filtration including HEPA, Carbon, UVC, Sterionizer, Dust Filter & proprietary Zinc fabric

Purifies the indoor air for 99.9% of bacteria, pollen, fungus and viruses, including the COVID-19 virus

Detects gases, fire, LPG and sends notifications

Artificial Intelligence Powered Assistant "Heidy"

World's only B2B solution that can help you manage a fleet of devices with a single dashboard with comprehensive reporting

Proprietary Patent Pending Ray Filter, Design, Algorithm and Sterionizer

Wall / Ceiling / Table mountable technology

Clinical trials cleared and FDA Approval in Progress

Connected IoT Device with Smartphone Apps



Clinically tested and found effective against a range of bacteria, virus, fungus, spores & mold

COVID 19 | E Coli + ATCC | Staphylococcus Aureus | Pseudomonas aeruginosa | MRSA | Aspergillus niger | Candida albicans | Dichobotrys Abundans | Penicillium | Cladosporium Cladosporioides | Bacillus Subtilis Var Niger | InfluenzaH1N1 & H5N1

Suitable for any location



Hotels



Hospitals



Public transport



Schools & Colleges



Offices



Homes

The World's Smartest Air Purification Platform

The all-in-one indoor air purification platform powered by Aura Air device, filters and disinfects indoor air through its 4 comprehensive and unique stages of purification, while vigilantly monitoring the air quality real-time

		Detectors	Aura	Air purifiers
Detection	Smoke	✓	✓	✗
	CO	✓	✓	✗
	VOC	✓	✓	✗
	Outdoor	✓	✓	✗
	Dust	✗	✓	✓
Air Purifying	HEPA	✗	✓	✓
	Carbon	✗	✓	✓
	Anti-Bacterials*	✗	✓	✗
	Sterionizer™	✗	✓	✗
Connectivity	Voice assistant	✗	✓	✓
	IoT	✗	✓	✗
	WIFI	✗	✓	✗
	Serial ports			
	Standalone	✗	✓	✗
Eliminates Viruses	CORONA	✗	✓	✗
	Sars Cov-2	✗	✓	✗
	HINI / HIN5	✗	✓	✗

* Proprietary Technology – Patent Pending



How Aura Air works

Detection of Indoor and Outdoor Air for a holistic approach towards air purification

Detection

Aura detects indoor and outdoor air quality based on real-time monitoring through an array of smart sensors.

Indoor

Detects Smoke, CO (Carbon Monoxide), CO₂ (Carbon Dioxide), VOC (Volatile Organic Compounds), PM 2.5 (Particulate Matter), PM 10, Temperature & Humidity

Outdoor

Detects CO, NO_x, NO, NO₂, O₃ (Ozone), Allergies, VOC, PM 2.5, PM 10, Temperature, Humidity, weather & weather forecast for Outdoor Air.

Indoor & Outdoor detection



Smoke



Humidity



Temperature



Weather



Pollen



PM 10



PM 2.5



VOC



CO



Co₂



O₃



NO



No₂



NO_x

How Aura Air works

A Data-Driven Approach towards Air Quality Based on user behaviour and Artificial Intelligence

Personalization

Takes into consideration the settings where the device is located and works accordingly through continuous monitoring.

Provides real-time Alerts and Warnings based on your preferences

Provides Dashboards and Reports with sensor level data that is recorded every 10 seconds and stored on a secure cloud-based environment

Only Air Purification platform with Open API's for integration with Building Management Systems or any software system



B2C



B2C

How Aura Air works

Proprietary Multistage Filtration Technology

Filtration & Disinfection

Aura filters and disinfects air through 4 unique stages

● Pre filter:

The pre-filter removes large particles such as dust, pollen, insects, and animal hair

● The Ray Filter

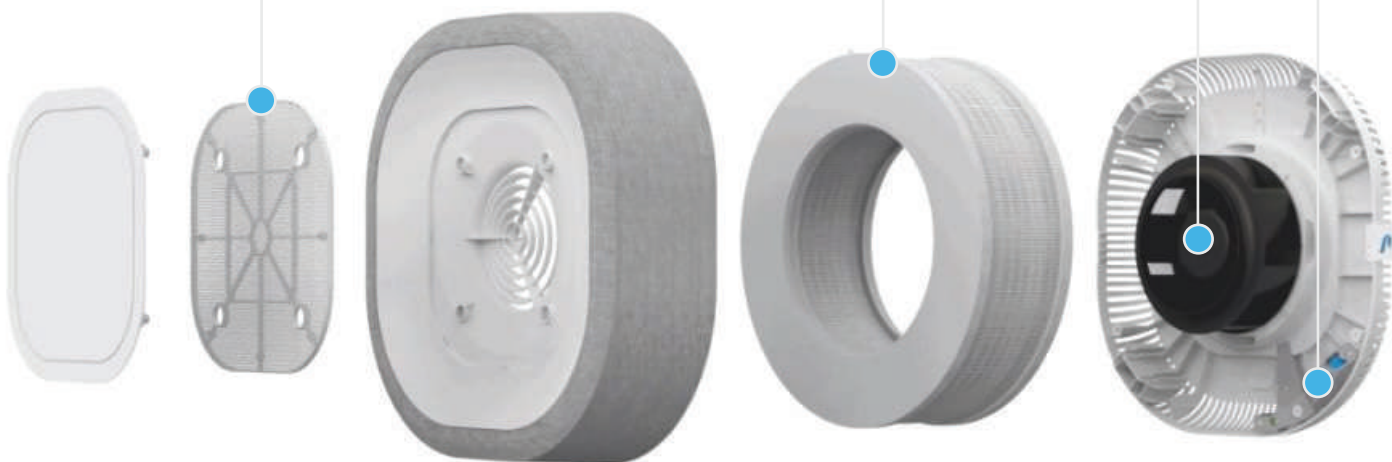
Our patent pending filtration technology "Ray Filter" consists of three parts including HEPA / Carbon / ZINC

● UVC LED

Effective in neutralizing bacteria, viruses and parasites by destroying the proteins on the cell membrane

● The Sterionizer™

A component, based on the technology of bipolar ionization. The Sterionizer generates positive and negative ions - just like those found in nature - that purify and freshen indoor air by eliminating the harmful pollutants.



HEPA

99.98% effective particle filter of 0.3 micros.

Smart Fabric

A smart fabric consisting of a Zinc filter that filters most viruses and bacteria.

Carbon layer

Absorbs VOC's and bad odors.

CORONA – Virus Clinical Trials

Following the challenges we faced with infections in hospitals, Aura Air and The Department of General and Oncological Surgery at The Chaim Sheba Medical Center performed a clinical trial for testing the efficacy of air purifiers for the purpose of disinfection and purifying the air from various pollutants.

Sheba Medical Center has managed 1000's of COVID-19 patients who were hospitalized at various sites managed by the center. Some patients required additional interventions such as dialysis, urgent surgery or pregnant women who give birth when they were diagnosed with the corona virus.

The COVID-19 pandemic caused by the SARS-CoV-2 novel coronavirus has had severe economic and public health impacts worldwide. Public health officials have advocated for limiting indoor activities, wearing masks in public, and hand washing to control the spread of the virus. Given the closing of schools and businesses, teleworking, and public fear of contracting infections in indoor spaces, in May 2020, Aura Air developed and tested a smart air device to potentially purify indoor air of viral and other pathogenic particles. The company initiated a study with The Chaim Sheba Medical Center to test the effectiveness of the smart air's disinfection capabilities on the coronavirus as part of our strategic, long-term collaboration. The study aimed to measure the device's ability to purify air contaminated by inactivate anti-IBV (Infectious Bronchitis Virus), an avian coronavirus that does not cause infections in humans and is similar in size to the SARS-CoV-2. The system uses a multi-cascade air disinfection principle, and the study was performed in two stages. The first stage tested each disinfection element's antiviral performance, and the second tested the ability to disinfect virus-contaminated air environments by virus aerosol. Results showed that each separate module within the filtration device had strong antiviral properties. Furthermore, the filtration system effectively reduced virus amount in an aerosol contaminated environment in both high and low aerosol concentrations. Together with vaccination programs and other measures to limit viral spread, this device may allow for the reopening of global economies by providing some measure of confidence that indoor air spaces are safe to resume normal activities.



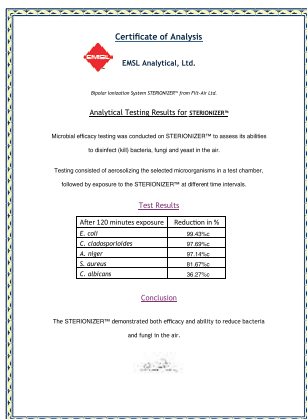
Results processing:

The data measured by the RT-PCR system at #32 was used to evaluate the results of the experiment. This has been defined as the last point in which measurements of control samples do not show saturation of detector and prevent misunderstanding of the results the clinical trials results show the significant ability of test materials to reduce the concentration of the Corona virus. Thus, we can recognize that the tested material has significant antiviral properties and reduces the likelihood of viral infection spreading.

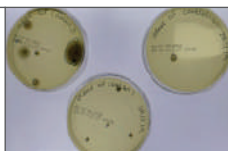
Sample	Coronavirus Reduction ration [%]
Ref.1	
HEPA rep1	99.7243
SCF rep.1	99.9744
Sterionizer™ LP rep.1	99.9651
Sterionizer™ HP rep.1	99.9425
UVC LED rep.1	99.9631



Our certification & claims



Incubation results of the control plates on December 31st Aug 2019

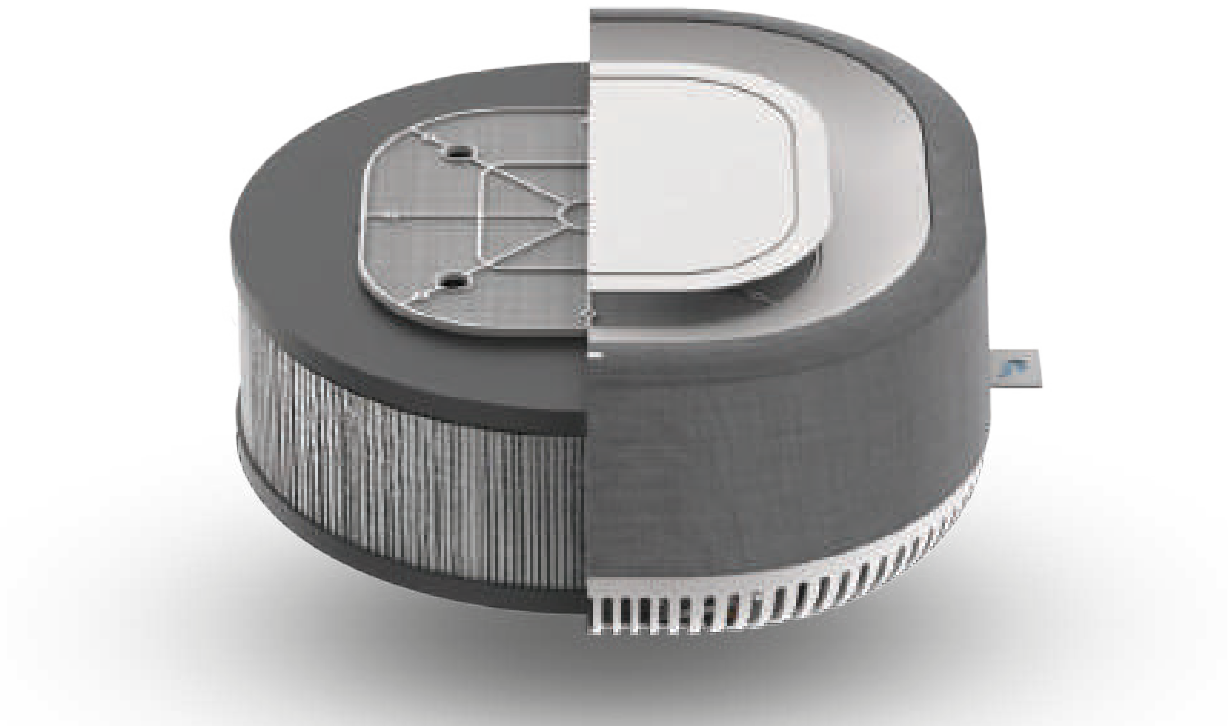


Incubation results of the Ray filter + Sterionizer + UVC LED's plates on December 31st, 2019



Technical Specification

Power supply	110-240 V	
Max Power Consumption	48W	
Operating temperature	0°C to 40°C	32°F to 104°F
Filter layers & RAY filter™	Pre filter	4 UVC LEDs
	Sterionizer™ Bipolar Ionization	RAY filter™ 3 unique antibacterial layers
Device size	37.5cm X 37.5cm X 15.0cm	14.7inch X 14.7inch X 6inch
Device weight	5.5 kg / 12.1 lbs	
Wireless Communication	WIFI	
Noise levels	33 - 64 dBA	
Length of cord	180 cm	
Recommended room size	55m2 / 600f2	
Estimated CADR	185	
Integration	Smart thermostat Nest, ecobee and Sensibo	Aura API
	AuraWebhook	Voice assistance



Our Clients





For more information,
visit www.auradair.co.in