

AIRCLEANER



Virus



Bakteria



Acarine



Smoke



Pollen





AIRCLEANER

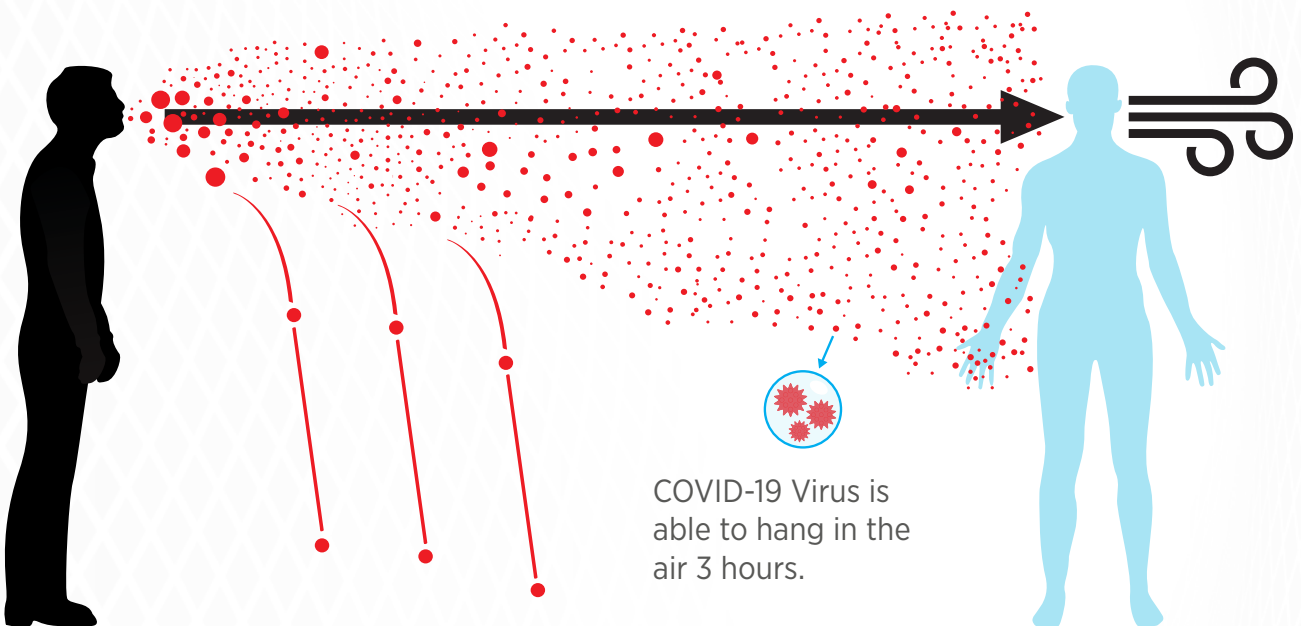
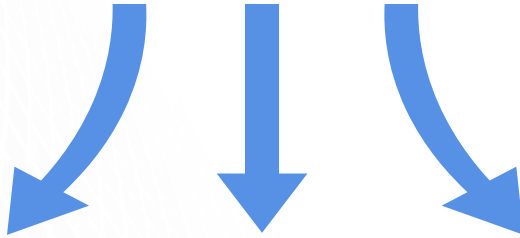
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AIR FLOW





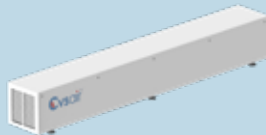


Aircleaner products absorb all harmful particles and microorganisms such as dust, bacteria, virus, mold, bad odor, smoke, and supply purified and clean air to indoor area by filtration system. Aircleaner product improve indoor air quality and kills the harmful microorganisms in the air.

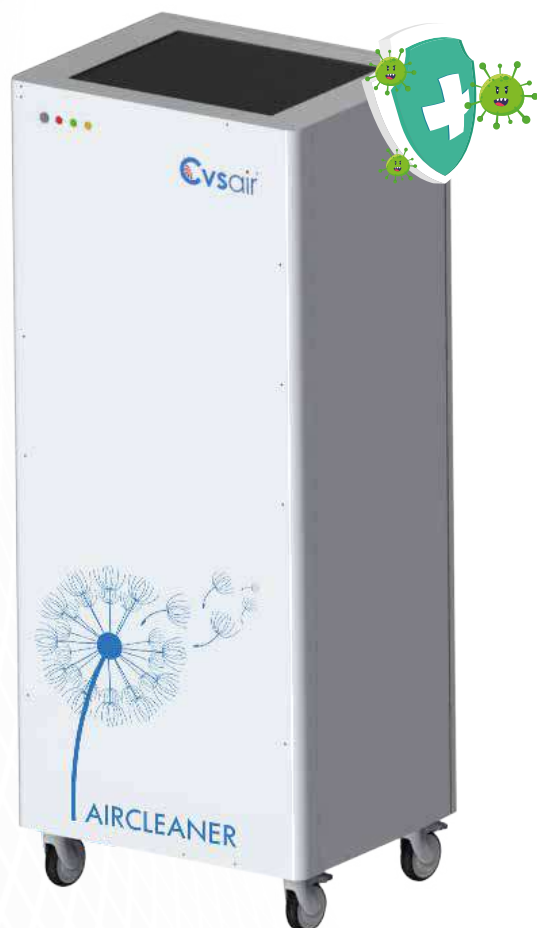


COVID-19 Virus is able to hang in the air 3 hours.

GENERAL PRODUCT INFORMATION

MODEL	VISUAL	SPECIFICATIONS	FILTRATION
AIRCLEANER 2XL		<p>Model AIR CLEANER – 2XL Operating Voltage-Frequency: 230V-50Hz Dimensions: 1960 x 800 x 635mm Influence area : Up to 500 m2 Power: 650 Watt Weight: 180 Kg PM 2,5(%) %99,9 Air Flow: 2500 m3/h Electrostatic oven-dying casing</p>	<p>HEPA (H13) Filter UVC Lamp Shield Plus Hygenic Pre-filter Rigit Bag Active Carbon Filter</p>
AIRCLEANER XL		<p>Model AIR CLEANER – XL Dimensions: 575*485*1300 mm Power: 340 Watt Air Flow: 900 m3/h Weight: 120 Kg Operating Voltage/Frequency/Phase: 230V / 50 Hz /1 Ph Influence area: 300 m2</p>	<p>Electrostatic Filter Ioniser Filter (+,- Ion) HEPA (H13) Filter Shield</p>
AIRCLEANER L		<p>Model AIR CLEANER – L Dimensions: 575*485*1300 mm Power: 360 Watt UV Lamps: 4 x 21 Watt Air Flow: 900 m3/h Weight: 120 Kg Operating Voltage/Frequency/Phase: 230V / 50 Hz / 1 Ph Influence Area: 300 m2</p>	<p>HEPA (H13) Filter UVC Lamp Shield Plus Protected Filter Active Carbon Filter</p>
AIRCLEANER M		<p>Model AIR CLEANER – M Dimensions: 575*485*1300 mm Power: 400 Watt Air Flow: 1000 m3/h Weight: 110 Kg Operating Voltage/Frequency/Phase: 230V / 50 Hz / 1 Ph Influence Area: 300 m2</p>	<p>Electrostatic Filter Ioniser Filter (+,- Ion) UVC Lamp Washable Pre-Filter Active Carbon Filter</p>
AIRCLEANER S		<p>Model CVS-S Dimensions: 150*160*1080 mm UV Lamp Power: 58 Watt Wave lenght: 254 nm Influence Ratio: %99,99 Lamp Life time: 9000 hours Influence area: 15-35m2 Air Flow: 150 m3/h Operating Voltage/Frequency/Phase: 230V/50Hz/1 Ph</p>	<p>UVC Lamp Pre-Filter</p>

AIRCLEANER - 2XL



AIRCLEANER 2XL can be used in 300-500 m²'lik, office, bank, restaurant, hospital lobbies, hotel lobbies, meeting rooms, between 300-500 sqm, in order to have clean and qualified indoor air. Starting from the operation, device increases the indoor air quality by it's filter components. It captures the dust, odor, pollen and particles up to 0,3 micron with the ratio of 99,9 %. UVC lamps kill all types of microorganism in the air.

HITECH FILTRATION

HEPA Filter Protection (H13): Aircleaner XL device and one of it's component HEPA filter consist of several multifunctional filters. It filtrates particles in air bigger than 0,3 micron, bacteria, smoke with the ratio of 99,97 %. Hepa filter filtrate mold spores, dust, allergens, some type of viruses and microscopic particles whose dia is over 20 nanometer. According to World Health Organisation (WHO), legionnaire disease bacteria, bird influenza and flu virus is more that 20 nanometer.

UVC Lamp: CVSAIR- AIRCLEANER UVC lamps are 254 nanometer wavelength. 254 nanometer wavelength UVC rays damages the DNA of microorganism and destroy with the ratio of 99,99 %. Lamp's lifetime is 9000 hours. UVC rays do not expose into the environment and they are harmless to the human health due to the appropriate design of the device.

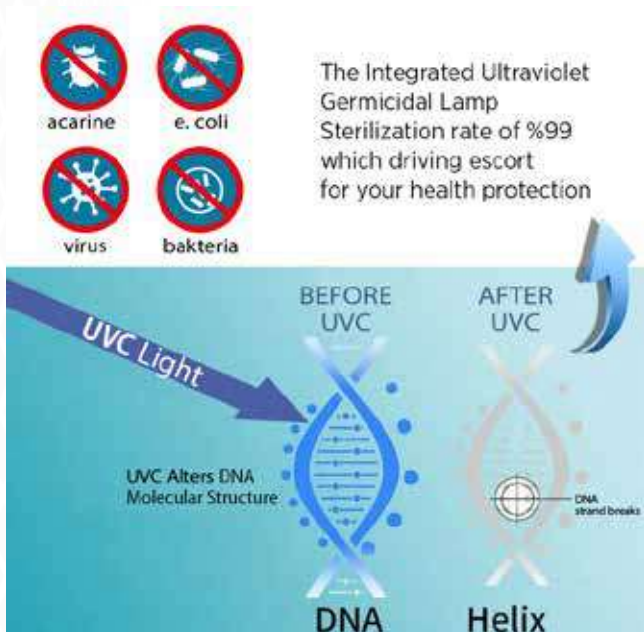
Shield Plus Hygenic Pre-filter: It kills the viruses in filters with it's anti-microbial structure. Effectiveness against to Covid 19 has been tested and certified by the laboratories. It captures the dust bigger than 5 microns in pre-filtration stage. It helps to increase the quality of indoor air by capturing the skin rash, pollen, substances hanging on the air and contaminative air factors.

Rigit Bag Active Carbon Filter: Harmful chemical gases such as tobacco smoke, bad odors, formaldehyde, hydrogen sulphur, ammonia, benzene etc... can be catalysed and made harmless.

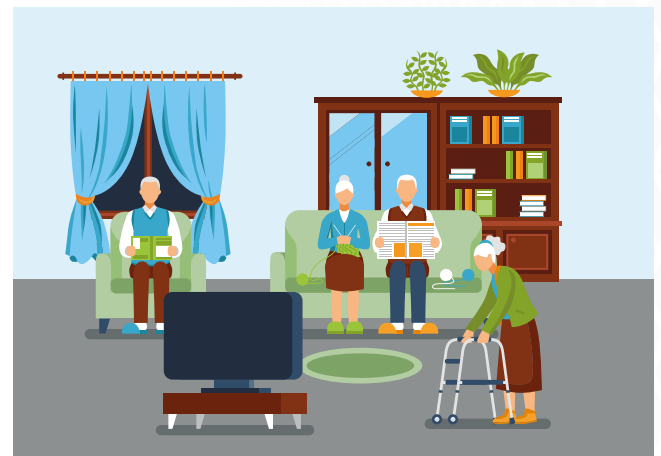
TECHNICAL SPECIFICATIONS

MODEL	AIR CLEANER - 2XL
Dimensions	1960*800*635 mm
Power	650 Watt
Air Flow	2500 m ³ /h
Weight	180 kg
Influence Area	500 m ²
PM 2,5	%99,9
Operating Voltage/Frequency	230 V / 50 Hz
Casing	Electrostatic oven-dying

UVC EFFECT



Offices / Bank branches



Nursing Home / Emergency Services



Entrance of Public Transportations



Tobacco Smoke



Pets



Bacteria



Pollen



Dust



Mold

AIRCLEANER - XL



HITECH FILTRATION

High Efficient Ionizer Technology: Particles in the air are loaded by the ions. During the loading process, there occurs a heap of particles. When the dimensions of particles become bigger, they can not surpass the filters. When bacteria, viruses and other living microorganism complete division process, they bond with oxygen ions and lose their living activities. Odored gases and aerosols become neutralised by integration together with positive particles under favour of loniser technology. Aircleaner XL air cleaner device provide high quality indoor air by cleaning the tobacco smoke, pollen and other unrequested particles.

HEPA Filter (H13): Aircleaner XL device and one of it's component HEPA filter consist of several multifunctional filters. It filtrates particles in air bigger than 0,3 micron, bacteria, smoke with the ratio of 99,97 %. Hepa filter filtrate mold spores, dust, allergens, some type of viruses and microscopic particles whose dia is over 20 nanometer. According to World Health Organisation (WHO), legionnaire disease bacteria, bird influenza and flu virus is more that 20 nanometer.

Active Carbon Filter: Harmful chemical gases such as tobacco smoke, bad odors, formaldehyde, hydrogen sulphur, ammonia, benzene etc... can be catalysed and made harmless.

Shield Plus Hygenic Pre-Filter: It kills the viruses in filters with it's anti-microbial structure. Effectiveness against to Covid 19 has been tested and certified by the laboratories. It captures the dust bigger than 5 microns in pre-filtration stage. It helps to increase the quality of indoor air by capturing the skin rash, pollen, substances hanging on the air and contaminative air factors.

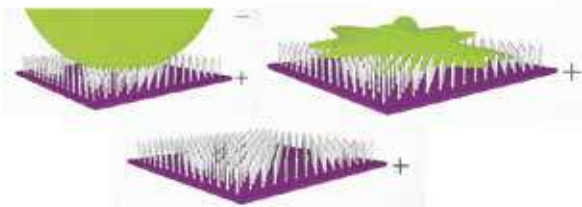
TECHNICAL SPECIFICATIONS

MODEL	AIRCLEANER XL
Dimensions	515*515*1600 mm
Voltage / Frequency / Phase	230 V / 50 Hz / 1 Ph
Influence Area	300 m ²
Power	340 Watt
Weight	120 Kg
Air Flow	900 m ³ /h
PM 2.5 (%)	99.9
Casing	Anti-bacterial properly RAL 9016 painted
Electrostatic Filter	✓
Ioniser filter (+,- Ion)	✓
HEPA (H13) Filter	✓
Shield Plus Spraying	✓
Active Carbon Filter	✓

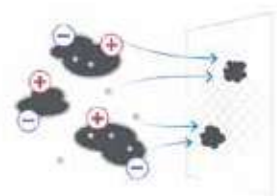
SHIELD PLUS SPRAYING / COVID-19



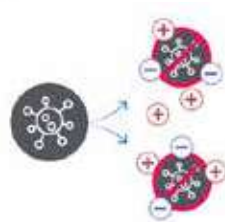
**APPROVED IN
U.K**



IONISER FILTRATION SYSTEM



Particles in the air are charged by the ions. So, they become aggregated and locked on the filter surfaces due to the sizes.



Bacteria and virus cells are connected to the oxygen ions and destroyed they are divided for gamogenesis.



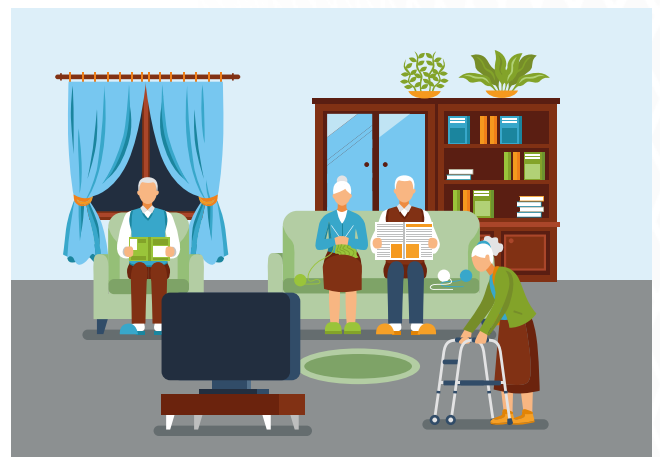
Scented gases and aerosol are oxidized and neutralized during the reaction with oxygen ions.



Oxygen ions, VOCs molecular structures chemical by breaking down causes a reaction



Offices / Bank branches



Nursing Home / Emergency Services



Entrance of Public Transportations

AIRCLEANER - L



HITECH FILTRATION

Hepa Filter (H13): Aircleaner XL device and one of its component HEPA filter consist of several multifunctional filters. It filtrates particles in air bigger than 0,3 micron, bacteria, smoke with the ratio of 99,97 %. Hepa filter filtrate mold spores, dust, allergens, some type of viruses and microscopic particles whose dia is over 20 nanometer. According to World Health Organisation (WHO), legionnaire disease bacteria, bird influenza and flu virus is more that 20 nanometer.

UVC Lamp: CVSAIR- AIRCLEANER UVC lamps are 254 nanometer wavelength. 254 nanometer wavelength UVC rays damages the DNA of microorganism and destroy with the ratio of 99,99 %. Lamp's lifetime is 9000 hours. UVC rays do not expose into the environment and they are harmless to the human health due to the appropriate design of the device.

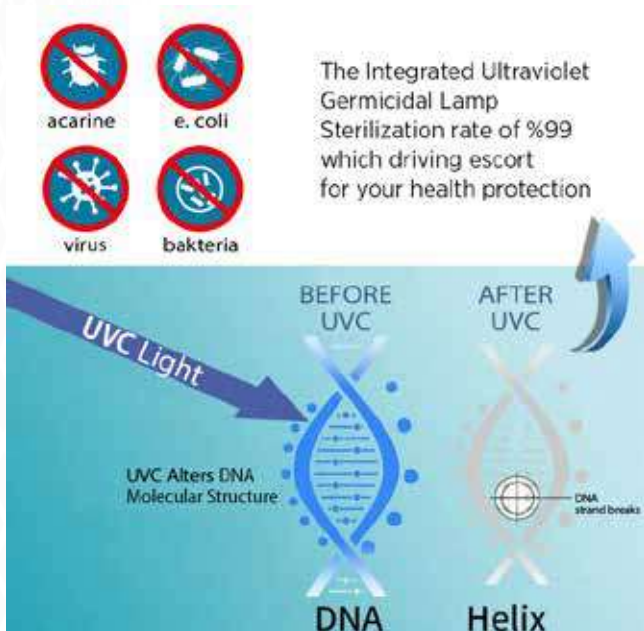
Shield Plus Hygenic Pre-Filter: It kills the viruses in filters with its anti-microbial structure. Effectiveness against to Covid 19 has been tested and certified by the laboratories. It captures the dust bigger than 5 microns in pre-filtration stage. It helps to increase the quality of indoor air by capturing the skin rash, pollen, substances hanging on the air and confounding air factors.

Active Carbon Filter: Tobacco smoke, bad odors, formaldehyde, hydrogen sulphur, ammonia, benzene etc... harmful chemical gases can be catalysed and disarmament.

TECHNICAL SPECIFICATIONS

MODEL	AIR CLEANER - L
Dimensions	575*485*1300 mm
Total Power	360 Watt
Influence Area	Up to 300 m ²
Operating Voltage	230V / 50Hz
PM 2,5(%)	%99,9
Air Flow	900 m ³ /h
Weight	110 Kg
Device Casing	Electrostatic oven dye

UVC EFFECT

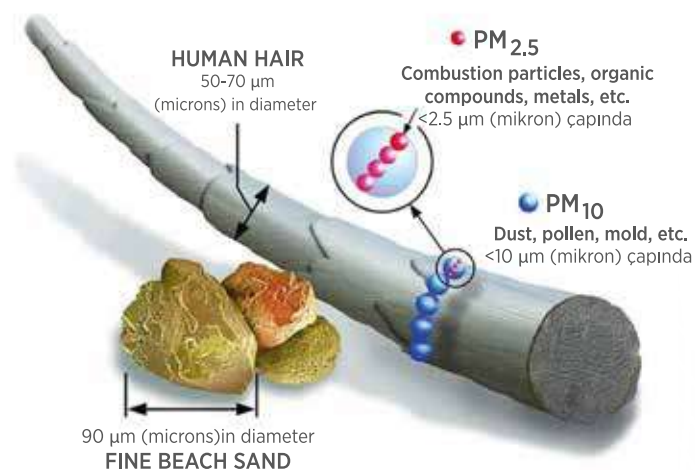


Bank branches



Offices

PM 2,5 CLASS FILTRATION (0,3 micron-2,5 micron - 99,97 %)



Dentists

AIRCLEANER - M



HITECH FILTRATION

High Efficient Ionizer Technology: Particles in the air are loaded by the ions. During the loading process, there occurs a heap of particles. When the dimensions of particles become bigger, they can not surpass the filters. When bacteria, viruses and other living microorganism complete division process, they bond with oxygen ions and lose their living activities. Odored gases and aerosols become neutralised by integration together with positive particles under favour of ioniser technology. Aircleaner XL air cleaner device provide high quality indoor air by cleaning the tobacco smoke pollen and other unrequested particles.

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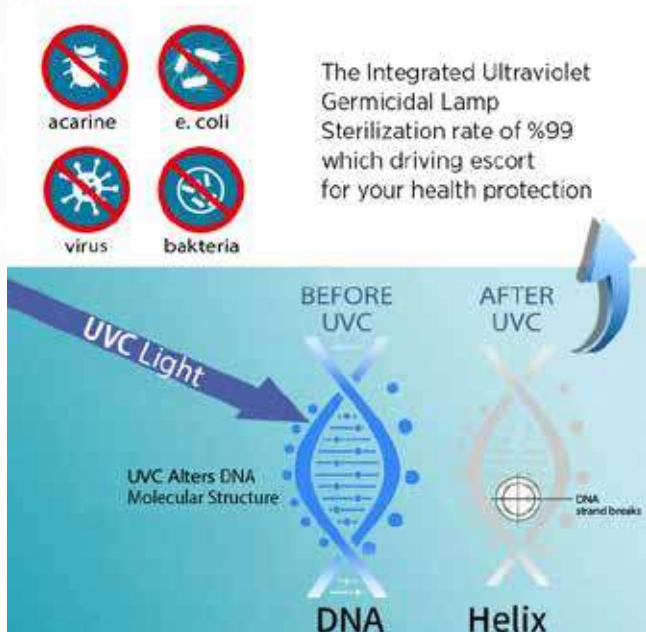
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Active Carbon Filter: Harmful chemical gases such as tobacco smoke, bad odors, formaldehyde, hydrogen sulphur, ammonia, benzene etc... can be catalysed and made harmless.

TECHNICAL SPECIFICATIONS

MODEL	AIR CLEANER - M
Dimensions	575*485*1300 mm
Total Power	400 Watt
Influence Area	350 m ²
Operating Voltage	230V / 50Hz
PM 2,5(%)	%99,9
Air Flow	1000 m ³ /h
Weight	110 Kg
Device Casing	Electrostatic oven dye

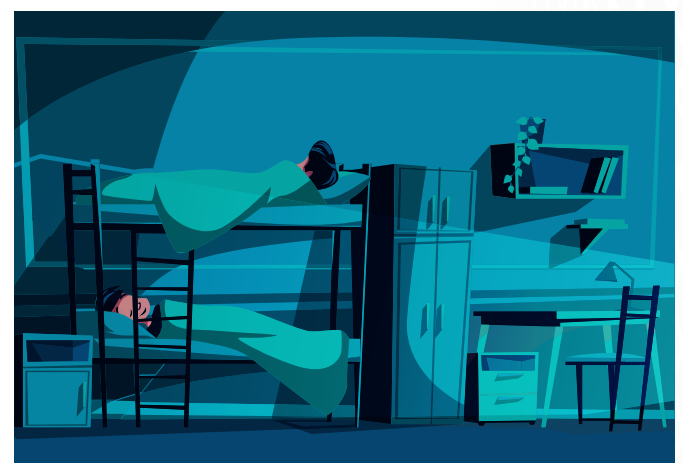
UVC EFFECT



Bank branches



Emergency Services

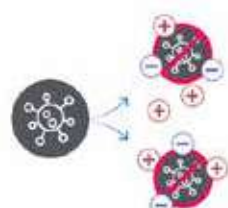


Military Dormitories

IONISER FILTRATION SYSTEM



Particles in the air are charged by the ions. So, they become aggregated and locked on the filter surfaces due to the sizes.



Bacteria and virus cells are connected to the oxygen ions and destroyed they are divided for gamogenesis.

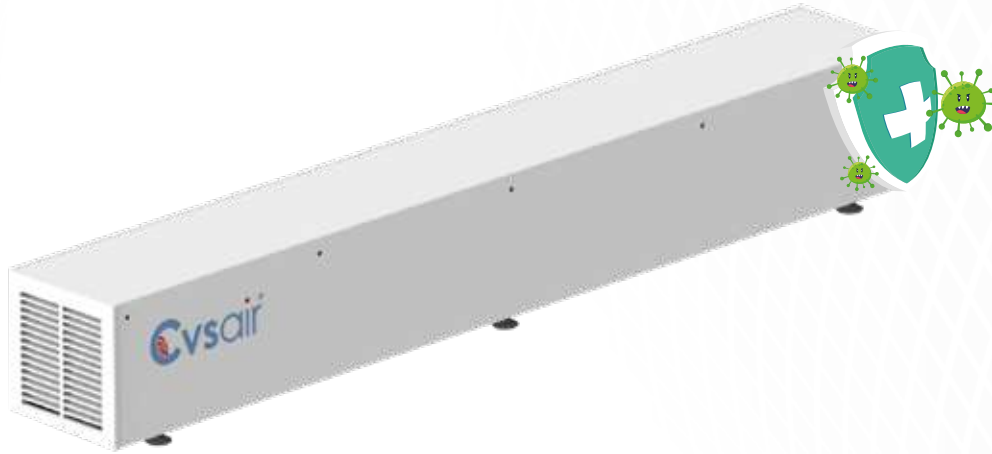


Scented gases and aerosol are oxidized and neutralized during the taction with oxygen ions.



Oxygen ions, VOCs molecular structures chemical by breaking down causes a reaction

AIRCLEANER - S

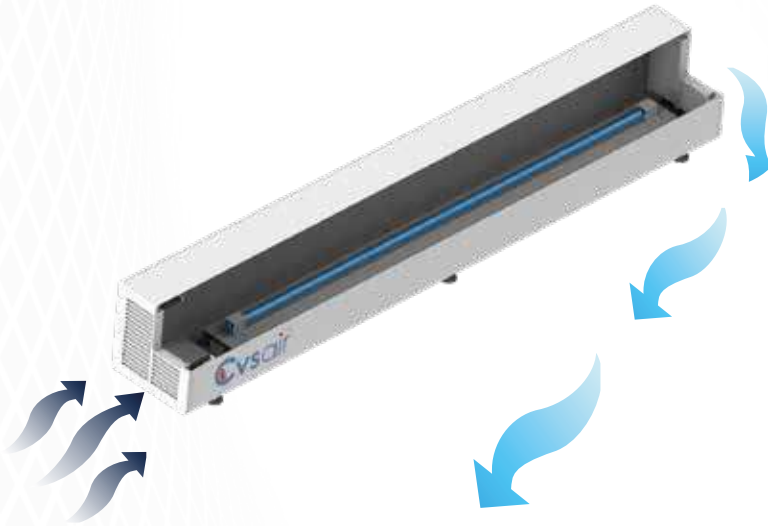


TECHNICAL SPECIFICATIONS

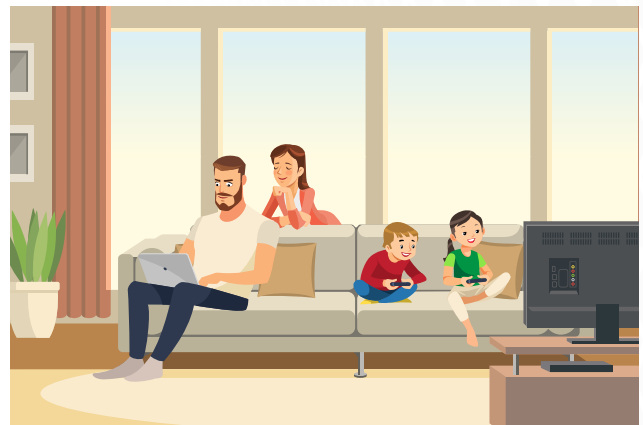
MODEL	CVS-UVC S
Dimensions	15*16*108 cm
Frequency	50Hz
Efficient Usage Area	15-35 m ²
Uv Lamp Power	58 Watt
Wavelength	254 nm
Lamp Lifetime	9000 saat
Air Flow	150 (m ³ /h)
Influence Ratio	%99,99
Voltage	230 V

AIRCLEANER S DEVICE

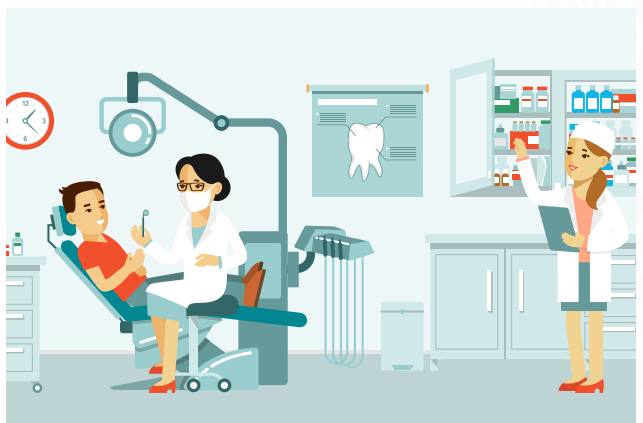
- Device's pre-filter captures dust and dirt. Indoor air crossed over the UVC Lamp by the Integrated fan and can be purified from the microorganism.
- CVS AIR- AIRCLEANER UVC lamps are in 254 nanometer wavelength which is capable of changing DNA of microorganism. By that way, UV Lamps kills destroy all types of microorganisms and prevent reproduction process of them.
- UVC rays do not expose into the environment and they are harmless to the human health due to the appropriate design of the device.
- Device is portable and required minimal space. It can be hanged onto the ceiling or Wall.
- Lifetime of UV Lamp is 9000 hours. After 9000 hours, system can be reactivated by changing UV Lamp.
- Rays which have 254 nanometer wavelength damages the DNA of the microorganisms with 99,99 % ration and destroy them.



Pharmacies



Houses

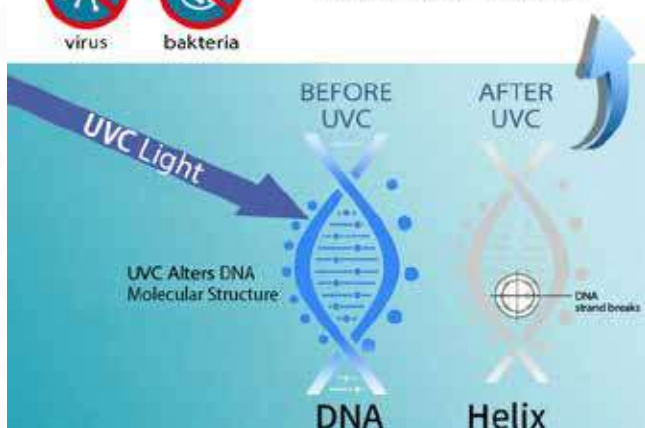


Dentists

UVC EFFECT



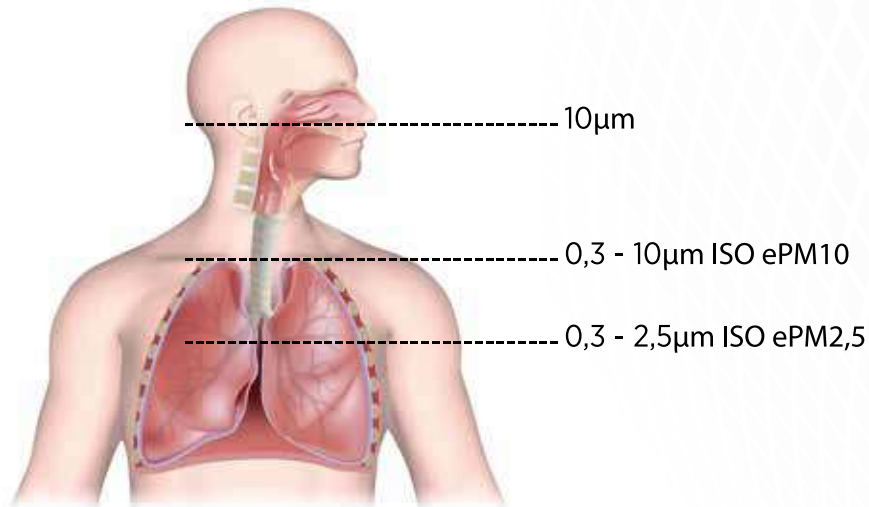
The Integrated Ultraviolet Germicidal Lamp Sterilization rate of %99 which driving escort for your health protection



Cvsair[®]

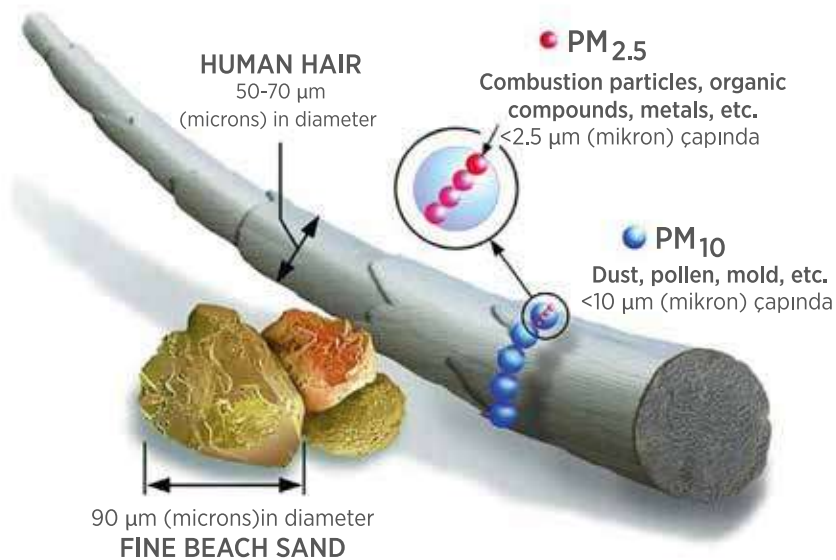


BREATHABLE PARTICLE DIMENSIONS



It is known that some viruses are smaller than 0,3 micron.
Covid-19 Virus is bigger than 0,1 micron.

PM 2,5 CLASS FILTRATION (0,3 micron-2,5 micron - 99,97 %)



- 25 micron = Visible particles by bare eye
- 10 micron = Heavy atmospheric dusts, flying ashes
- 5-10 micron = Mold, pollen, average atmospheric dusts
- 1-5 micron = Bacteria, light atmospheric dusts
- 0,3-1 micron = Tobacco smoke, Bacteria, metallic vapor

FILTRATION - PRE-FILTER



- Dusts bigger than 5 microns are captured during the pre-filtration process. Skin rash, pollen, substances roaming in the air and other air contaminants are being captured for qualified indoor air.
- Shield Plus process kills the viruses in pre-filtration process due to its anti-microbial structure. Effectiveness of Shield Plus application has been tested and certified by laboratories.

FILTRATION - HEPA (H13) FILTER



- HEPA Filters are in H13 class, aluminium frame and absolute solution filters.
- HEPA filter filtrates particles, germs, dusts bigger than 0.3 micron with ration 99,99 %. Microscopic particles, bacterial molds, dust, allergens and viruses can be filtrate by HEPA Filter.

FILTRATION - UVC FILTER

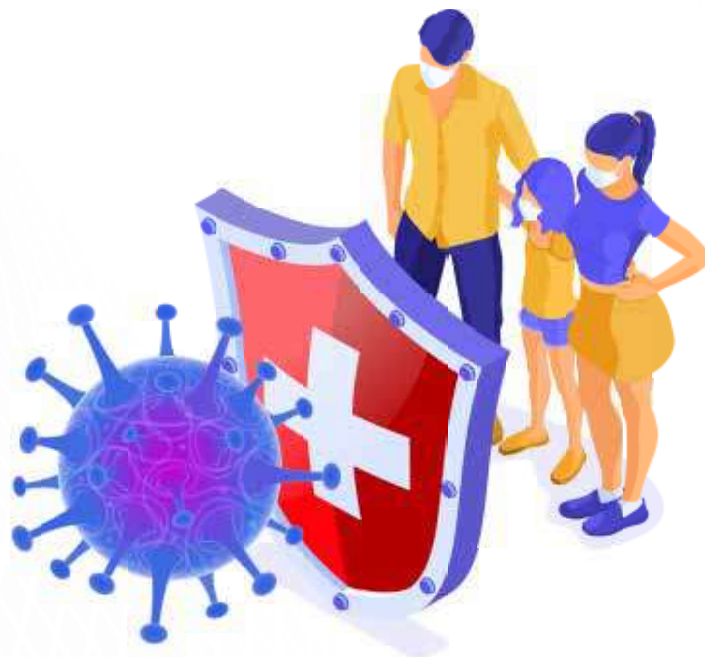


- 2UVC rays with 254 nanometer wavelength damage the DNA of the microorganisms with 99,99 % ratio and destroy them. UVC rays prevent reproduction of microorganisms in the environment.

- Lifetime of UV Lamp is 9000 hours. UVC rays do not expose out of device and do not effect human life negatively due to the appropriate design of the device.

- 4 pcs 21 watt UVC lamps are used in Aircleaner L and Aircleaner M model.

- UVC lamps have cleaning characteristics and do not expose ozone.



Virus



Bakteria



Acarine



Mold

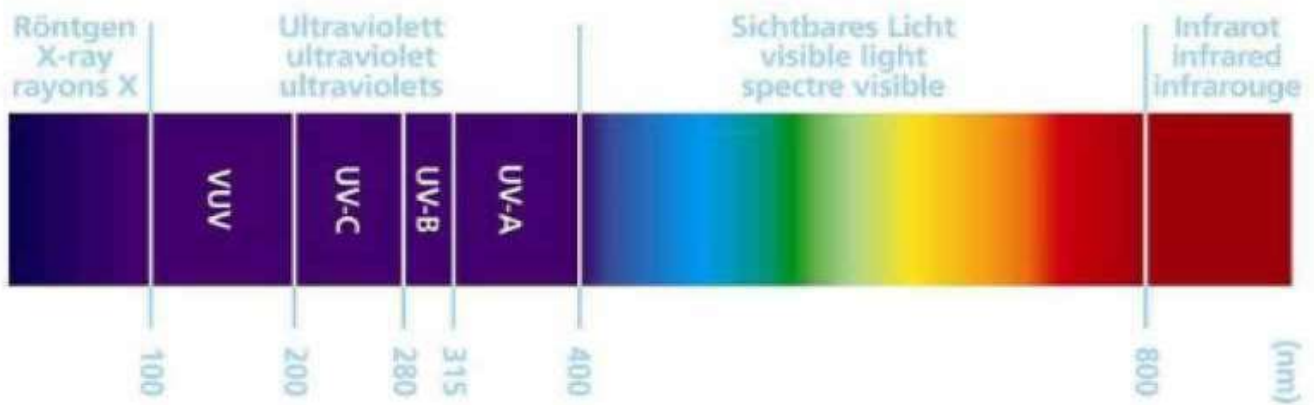
FILTRATION - UVC FILTER

General Information about Ultraviolet

UV is electromagnetic radiation which has shorter wavelength than visible rays and taller wavelength than X rays (approx. 100-400 nm). UV radiation according to wavelength ;

- UVA (Long UV, black light; 315-400 nm)
- UVB (Middle UV, UV; 280-315 nm)
- UVC (Short UV, **Anti septic** UV; 200-280 nm)

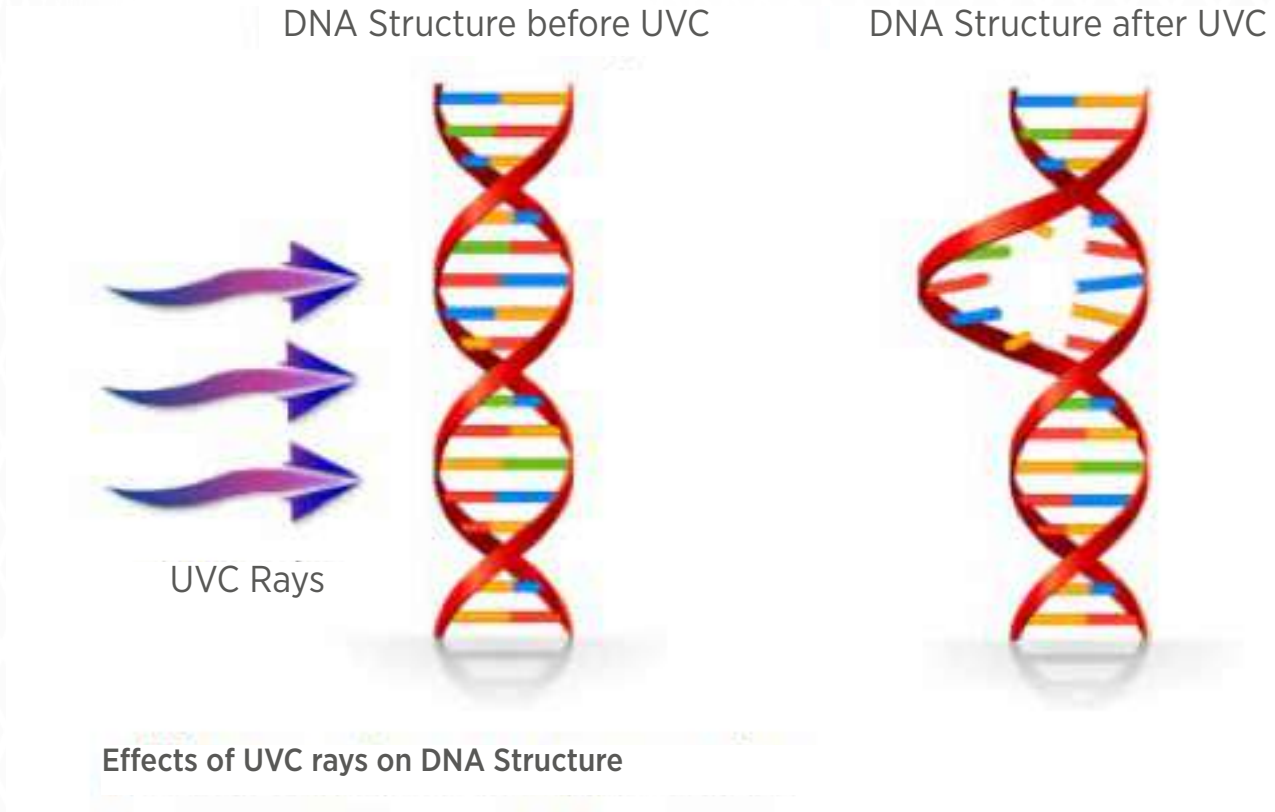
It is well known that UV radiation has strong antiseptic effects and provided by UVC which has short ultraviolet spectrum band effecting disinfectant between 200 and 280 nm. Especially, UV rays in 254 wavelength are utmost range absorbed by DNA and RNA. This wavelength distracts the natural structure of DNA and RNA. That's why, 254 nm UVC Lamps are used in Cvsair AirCleaner products.



Electromagnetic wavelength Radiation

UVC is absorbed by ozone during the entrance of our world. Ultraviolet radiation is short wavelength which does not appear in the world naturally. UVC is wavelength between 200-280 nm.

FILTRATION - UVC FILTER



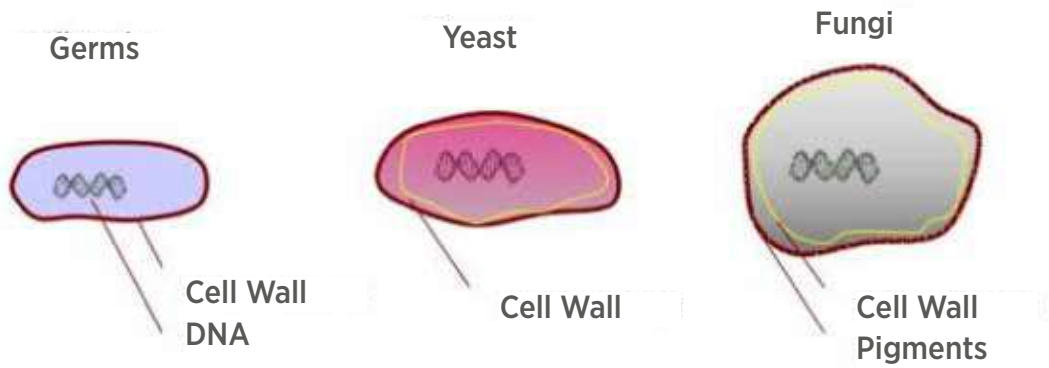
UVC Effects on microorganisms

As follows, we can group the microorganisms that effect the human health negatively. We aim to destroy these microorganisms by UVC rays...

- Bakteria
- Virus
- Mold
- Yeast
- Spores

Each microorganisms have their individual resistance against to UVC. Impact of UVC rays depends on the applied dosage.

FILTRATION - UVC FILTER



	Germs	Yeast	Fungi
Dimensions	1... 10 μm	5...8 μm	2... 100 μm
Required Dosage	2...40 mJ/cm^2	10...30 mJ/cm^2	50...400 mJ/cm^2

Table-1 UVC Dosage required for killing various types of microorganism

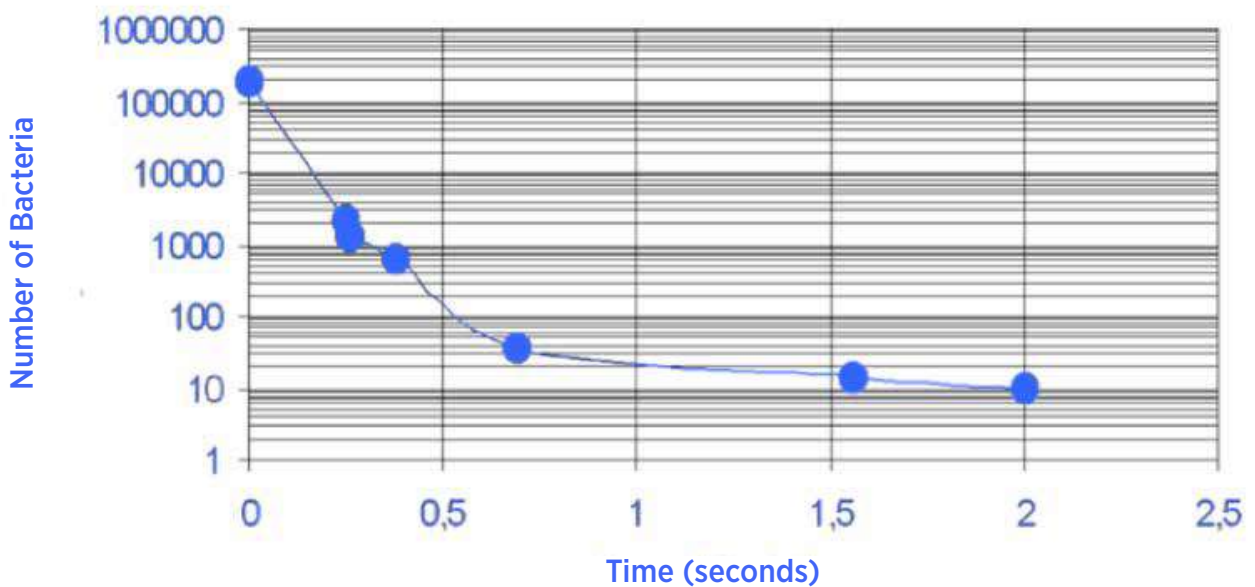


Table-3 Disinfectant Graphs of bacteria (Bacillus Subtilis Spores) depending on time

Ref. Fraunhofer in Freising Institution

FILTRATION - ELECTROSTATIC FILTER

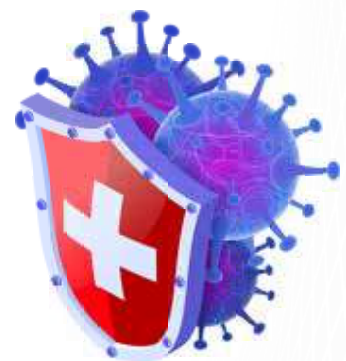


- Alive organisms passing through the electrostatic filter become broken down during the filtration process.
- It can be used in Industrial and maintenance area

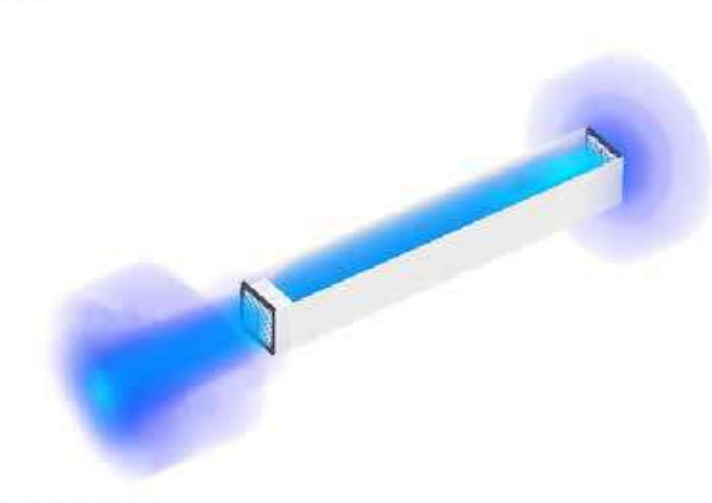
FILTRATION - ACTIVE CARBON FILTER



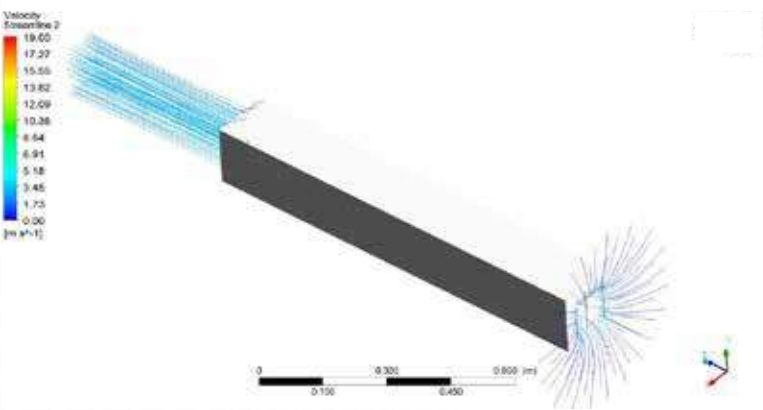
- Carbon filter executes odor and gas filtration
- Harmful chemical gases such as tobacco smoke, bad odors, formaldehyde, hydrogen sulphur, ammonia, benzene etc... can be catalysed and made harmless.



AIR FLOW

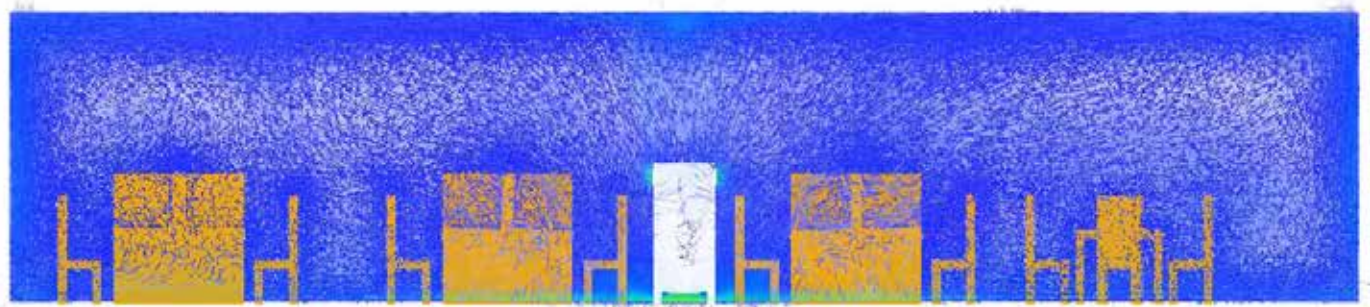


Cvsair Aircleaner products are modelled as 3D. Device interior and indoor circumstances are simulated by Computational Fluid Dynamics (CFD). Devices are designed for most appropriate air flow according to the CFD analysis' results.



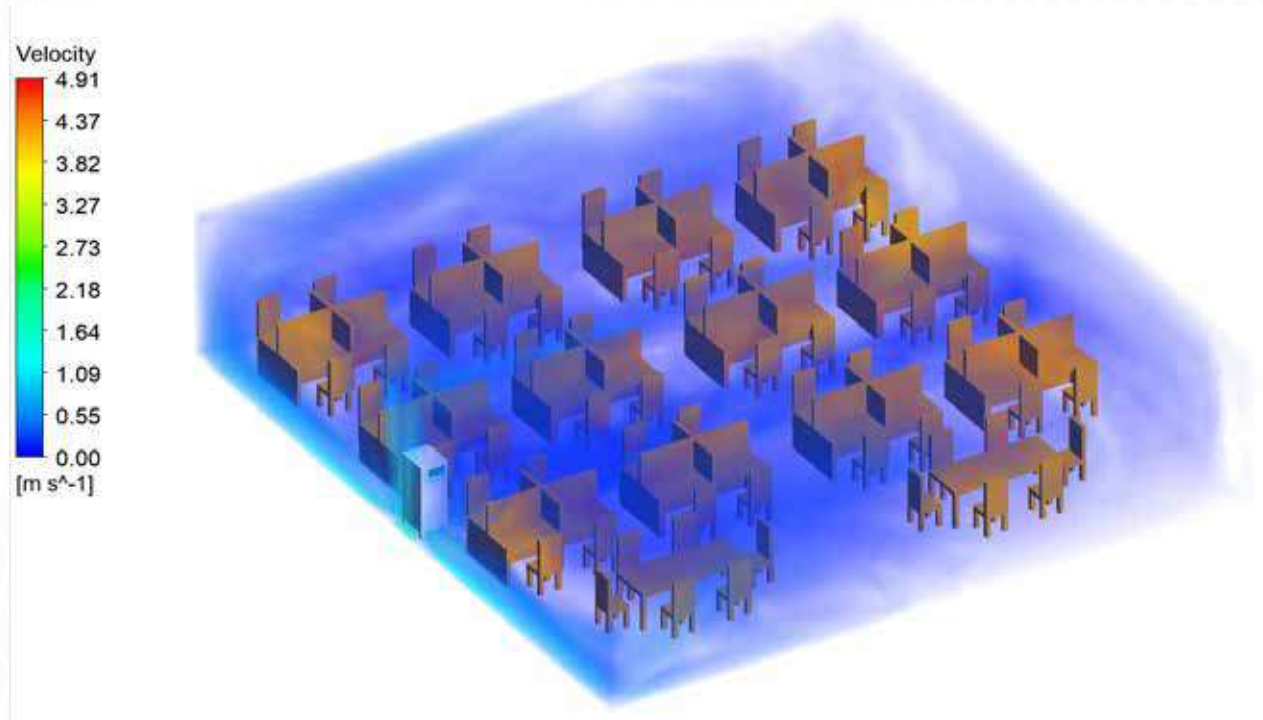
Device quantity and locations are determined for special projects according to the CFD disciplines and most efficient simulations.

*Air flow analysis for Aircleaner S model

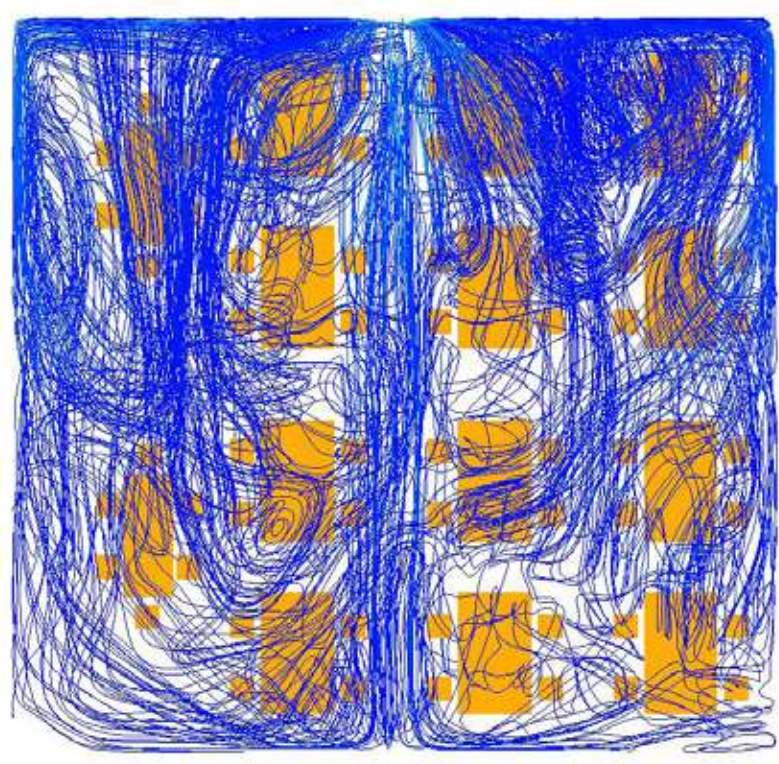


*Aircleaner ortam hava dağılım analizi

AIR FLOW



*Sample air speed analysis for Aircleaner L model in call center

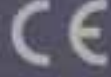


*Sample vector analysis of air speed for Aircleaner L model in call center

Cvsair[®]



SZUTEST



CERTIFICATE OF COMPLIANCE UYGUNLUK SERTİFİKASI

The technical file and test reports of the following product have been checked and found in compliance with the Parliament and Council Directive 2014/35/EU of 26 February 2014 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits.

Teknik dosya ve test raporları incelenmiş, aşağıdaki ürünün Avrupa Birliği Teknik Komisyonu tarafından 26 Şubat 2014 tarihinde yayımlanan 2014/35/EU Birlik Geneli Sivriken Çalgımlık Üzere Tasarlanmıř Teçizat ile İlgil Yönetmeliđine uygunluđu sađanmıřtır.

Certificate Number: OSE-20-0404/01
Sertifika Numarası

Applicant: CVS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş.
Başvurunun Sahibi Orta Mah. Tevfik İleri Cad. No:32/1 Pendik/İSTANBUL

Manufacturer: CVS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş.
Üretici Orta Mah. Tevfik İleri Cad. No:32/1 Pendik/İSTANBUL

Trade Mark:
Ticari Marka



Product: AIR CLEANER
Ürün HAVA TEMİZLEME MAKİNESİ

Type: AIRCLEANER S / M / L / XL / 2XL
Model

Base of attestation: File of technical documentation, test report Ref. No. OSE-20-0404/01
Oray Dayanađı Teknik Dokümantasyon, OSE-20-0404/01 numaralı Test Raporu

Validity: 15.04.2020-14.04.2023
Geçerlilik

* This Certificate of compliance is issued on a voluntary basis according to Council Directive 2014/35/EU of 26 February 2014 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits. The referred technical file(s) is reviewed and attested with presumption of compliance with the essential requirements listed EU Directive(s) above. This attestation does not absolve the compulsory obligation of the manufacturer to issue the declaration of conformity.

Bu uygunsuzluk sertifikası 26 Şubat 2014 tarihinde yayımlanan 2014/35/EU Birlik Geneli Sivriken Çalgımlık Üzere Tasarlanmıř Teçizat ile İlgil Yönetmeliđine göre düzenlenmiştir. Yukarıda belirtilmiş şartların yerine getirilmesinin bu belgeyi düzenleyen tarafın sorumluluđuna ađır. Üretici firma tarafından bu belgeyi düzenleyen tarafın bu belgeyi düzenleme zorunluluđuna ađır. Üretici firma tarafından bu belgeyi düzenleme zorunluluđuna ađır. Üretici firma tarafından bu belgeyi düzenleme zorunluluđuna ađır.

Dept. Manager
Sevda USLU

SZUTEST

SZUTEST UYGUNLUK DEĐERLENDİRME A.Ş.

Tel:02124440000, Ad: İnan 9. No'lu Ümraniye 34774 İSTANBUL / TÜRKİYE

Szutest.com.tr



Sertifika

Bu belge ile

CVS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş.
Cumhuriyet Mah. Kartal Cad. No:101/1 Kartal İSTANBUL, Turkey

Firmasının aşağıda belirtilen Kalite Sistemi standart şartlarını sağlamış olduğu kanıtlanmıştır

ISO 9001:2015

Firmanın faaliyet alanı aşağıda belirtilmiştir

**HER TÜRLÜ ENDÜSTRİYEL ISITMA, SOĞUTMA, HAVALANDIRMA
SİSTEM VE EKİPMANLARININ İMALATI, ALIM VE SATIMI, TESİSAT
PROJE TAHHÜT İŞLERİ VE SERVİS HİZMETLERİ**

Sertifika Numarası:

82724/A/0001/UK/Tr

Baskı No:

1

Başlama Tarihi: (Orijinal)

02 Haziran 2017

Bitiş Tarihi:

01 Haziran 2020

Başlama Tarihi:

02 Haziran 2017

Belgeyi Veren:

Sertifika yetkilisi adına





CERTIFICATE

CVS HAVALANDIRMA SİSTEMLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ

Orta Mah. Terlik İleri Cad. No:32/1 Pendik, İstanbul, TÜRKİYE

TCS Belgelendirme tarafından denetlenmiş ve uygulamakta olduğu Çevre Yönetim Sisteminin
is certified by TCS Certificates and applied Environment Management System meet the requirements of

ISO 14001:2015

standartına aşağıdaki kapsamda uymakta olduğu gözetilmiştir.
standard for the following activities:

Otopark Havalandırması (Aksiyel Kanal Fanı, Aksiyel Jet Fanı, Radyal Jet Fanı, Çift Yönlü Aksiyel Jet Fanı), Bina Havalandırması (Kanal Fanı, Hücreli Fan, Çatı Fanı, Duvar Tipi Fan, Klima Santrali), İç Mekan Havalandırması (Banyo Fanı, Karma Akışlı Fan, Mutfak Fanı, Isı Geri Kazanım Cihazı), Sığınak Havalandırması (Sığınak Fanı) Montajı

Installation of Carpark Ventilation (Axial Duct Fan, Axial Jet Fan, Radial Jet Fan, Axiel Reversible Fan), Building Ventilation (Duct Type Fan, Cabinet Fan, Wall Type Fan, Air Handling Unit), Residential Ventilation (Bathroom Fans, Mixed Flow Fans, Kitchen Fan, Heat Recovery Unit), Shelter Ventilation (Shelter Fan)

Sertifika No / Certificate No: EM-00 90 160426-TR

Sertifika İlk Yayın Tarihi / Certificate Date: 08.07.2018

Certificate Date

Sertifika Son Başım Tarihi / Certificate Last Issue Date: 08.07.2019

Certificate Last Issue Date

Mevcut Belgelendirmenin Geçerlilik Periyodu / Validity Date of Current Certification Period: 08.07.2019 - 08.07.2022

Validity Date of Current Certification Period

SERTİFİKA GÜÇLÜLÜK TARİHİ / 08.07.2020



Kecaninan Cad. Yarandaj 99. No: 9/11 Rüzüklüköy/Anadoluhisari / İstanbul
T: 0216 573 55 53 F: 0216 573 88 91 info@tcsert.com www.tcsert.com

Bu belge yalnızca TCS prosedürüne uyulduğu sürece geçerlidir.
This certificate is valid during the customer uses the TCS procedures.



PRODUCT TEST - BACTERIAL TEST



ANALİZ RAPORU

Rapor No. : 2010432E Rapor Tarihi : 13/05/2020
Firma : ÇYS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş.
Adres : Orta Mah. Tevrik İleri Cad. Örnektekiği Binası No:32/1 Pendik İstanbul/Türkiye
Numune : AirCleaner
Numune Ambalajı : -
Numune Miktarı : 1 adet
Numunenin Alındığı Yer : -
Numune Alma Tarihi : -
Seri-Parti No / Lot No : -
Numune Taşıma Şartları / Uygulanan İşlemler : -
İmal Tarihi : -
Paketleme Tarihi : -
Son Kullanma Tarihi : -
İmalatçı Firma Adı : -
Numune Geliş Tarihi : 08/05/2020 14:00:00
Analiz Başlangıç Tarihi : 08/05/2020 14:15:00
Analiz Bitiş Tarihi : 12/05/2020

Müşterimiz tarafından teslim edilen numunede yapılan analiz sonuçları

Parametreler	Birim	Bulgu	Metot	Bilgi
UV Etkinlik Testi				
İnhibisyon Oranı	%	>99,9	DMS 116808	
Enterobacter aerogenes (UV Işık)	kob/0.5mL	Tespit Edilemedi	DMS 116808	
Enterobacter aerogenes (Normal Işık)	kob/0.5mL	232	DMS 116808	
Süre	dakika	1	DMS 116808	
Mesafe (UV ışık ile petri arası)	cm	40	DMS 116808	

Metot DMS: Doküman Yönetim Sistemi - İşletme İçi Metot

Merve BİRAH

Mikrobiyoloji Laboratuvar Sorumlu Yardımcısı

Tasdik Olunur

13/05/2020

Ömer Yasin BALIK

Laboratuvar Müdürü

13
Çevre Endüstriyel Analiz Laboratuvarı No. Tic. A.Ş. Merkez Mh.İskele Tel:0212 321 00 00 Sokak No:13 Merit Plaza Kat:2/A Kağıthane / İstanbul
Tel.: (0212) 321 00 00 (pbx) Faks: (0212) 321 00 75 e-mail: info@cevresanaliz.com www.cevresanaliz.com

Parametreler	Birim	Bulgu	Metot
UV Etkinlik Testi			
İnhibisyon Oranı	%	>99,9	DMS 116808
Enterobacter aerogenes (UV Işık)	kob/0.5mL	Tespit Edilemedi	DMS 116808
Enterobacter aerogenes (Normal Işık)	kob/0.5mL	232	DMS 116808
Süre	dakika	1	DMS 116808
Mesafe (UV ışık ile petri arası)	cm	40	DMS 116808

Metot DMS: Doküman Yönetim Sistemi - İşletme İçi Metot



LVT Test Laboratuvarları Ltd. Şti.

www.lvt.com.tr
Saray Modern Keresteciler Sanayi Sitesi 4. Cadde No:9 Kazan / ANKARA
Tel: 0 312 815 13 25-26 Faks: 0 312 815 13 27



AB-0341-T
20-1045-RO-N1-1
04-20

DENEY RAPORU

Test Report

1/44

Müşteri Client	: CVS HAVALANDIRMA SİSTEMLERİ SAN. ve TİC. A.Ş
Adres Address	: ORTA MAH. TEVFIK İLERİ CAD. ORDEKÇİOĞLU BİNASI NO:32/1
İmalatçı Manufacturer	: CVS HAVALANDIRMA SİSTEMLERİ SAN. ve TİC. A.Ş
Deney Numunesi Test Sample	: XL
Marka Trade Mark	: AIRCLEANER
Deney Metodu Test Method	: TS EN 61000-6-1:2019 EN 61000-6-1:2016 RLV TS EN 61000-6-3:2007/A1/AC:2013 (EN 61000-6-3:2007/A1:2011/AC:2012)
Deney Tarihi Date of Test	: 07.04.2020 - 09.04.2020
Toplam Sayfa Sayısı Total Number of Pages	: 44
Basım Tarihi Date of Issue	: 21.04.2020

Deney laboratuvarı olarak faaliyet gösteren LVT Test Laboratuvarları Ltd. Şti. TÜRKAK' tan AB-0341-T numarası ile IEC/ISO TS EN 17025:2017 standardına göre akredite edilmiştir.

LVT Test Laboratuvarları Ltd. Şti. accredited by TÜRKAK under registration number AB-0341-T for IEC/ISO 17025:2017 as test laboratory.

Türk Akreditasyon Kurumu (TÜRKAK) deney raporlarının tanınması konusunda Avrupa Akreditasyon Birliği (EA) ile Çok Taraflı Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği (ILAC) ile karşılıklı tanıma anlaşmasını imzalamıştır.

The Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreements (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.

Deney ve / veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (talep halinde) ve deney metodları, bu raporun tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

The test and / or measurement results, the uncertainties (if required) with confidence probability and test methods are given on the following pages which are part of this report.

Mühür
Seal



Deney Sorumlusu
Person in Charge of Test

Tank DİL MAC



Laboratuvar Müdürü
Head of Testing Laboratory

Cahit BÖKSEL




Rapor detaylarını kontrol edebilirsiniz.
You can check the report details via QR code.

Bu rapor, Laboratuvarımızın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.
İmzasız ve mühürsüz raporlar geçersizdir.
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Testing reports without signature and seal are not valid.
FRT_50/Rev04/0220




Inspection Report

Muayene Raporu

REF. NO:	20-0404/01
According to the -e göre	2014/35/EU Low Voltage Directive
Issue Date: Basım Tarihi	15.04.2020
Product: Ürün:	AIR CLEANER HAVA TEMİZLEME MAKİNESİ
Type: Model	AIRCLEANER XL
Trade Mark: Ticari Marka:	
Variants Varyans	AIRCLEANER S / M / L / 2XL
Applicant: Başvuru Sahibi	CVS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş.
Applicant Address: Başvuru Sahibi Adres	Orta Mah. Tevfik İleri Cad. No:32/1 Pendik/İSTANBUL
Manufacturer Name: İmalatçı Adı	CVS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş.
Manufacturer Address: İmalatçı Adresi	Orta Mah. Tevfik İleri Cad. No:32/1 Pendik/İSTANBUL
Applied Standards: Uygulanan Standartlar	
Author: Yazan	Çağatay YORLUR
Approved: Onaylayan	Seyda USLU

*By order of CVS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş. at SZUTEST, TÜRKİYE

* CVS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş. firmasının isteği üzerine SZUTEST, TÜRKİYE 'de düzenlenmiştir.

	CVSAIR PARTICLE RATE TEST REPORT	
OFFERED COUNTER NO.: SRV-027		INSPECTION DATE: 20.04.2020
<h2 style="margin: 0;">CVSAIR AIR CLEANER PARTICLE RATE TEST REPORT</h2>		
<p>OFFERED COUNTER NO.: SRV-027</p> <p>INSPECTION DATE: 20.04.2020</p>		
<p>ATSON İNŞAAT TAAH. MAKİNA İÇ VE DIŞ TİC. LTD. ŞTİ.</p> <p>Aydıntepe Mah. Dinçel Sok. No:9/1-2-3 ATSON Plaza Tuzla / İSTANBUL Tel: (216) 330 96 18 Fax: (216) 330 12 20</p>		
Written By [Signature] Ali YILDIZ Mechanical Engineer	Approved By [Signature] Barış DÖKMEN Mechanical Engineer	Page 1 / 39
		
www.atson.com.tr		



CVSAIR
PARTICLE RATE TEST
REPORT

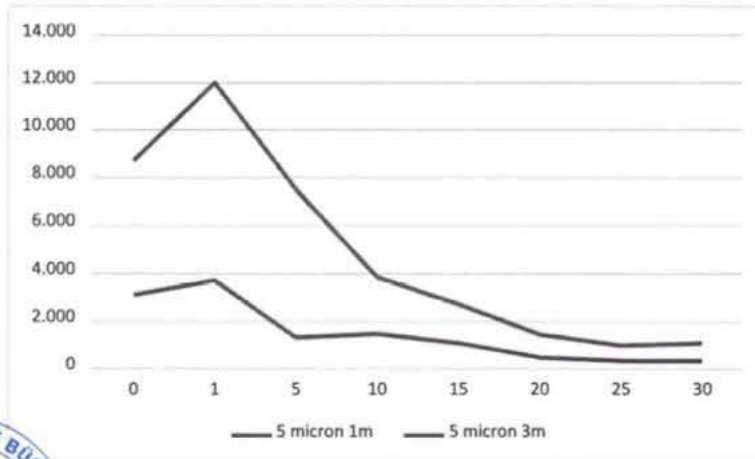
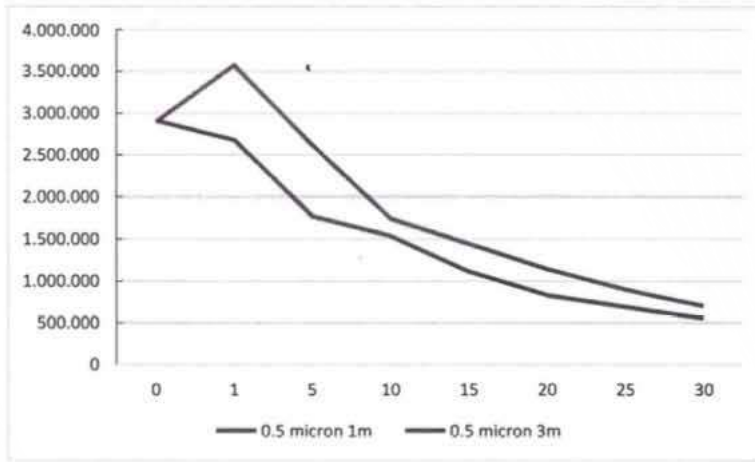


OFFERED COUNTER NO.: SRV-027

INSPECTION DATE: 20.04.2020

GRAPHS

XL DEVICE RATE GRAPHS



Written By [Signature] Ali YILDIZ Mechanical Engineer	Approved By [Signature] Barış DÖKMEN Mechanical Engineer	Page 12 / 39
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SZUTEST

SZUTEST Uygunluk Deęerlendirme A.Ş.

SZUTEST TEST LABORATORY

OCCUPATIONAL HYGIENE AND ANALYSIS LABORATORY

CVS HAVALANDIRMA SAN. TİC. A.Ş.

VAKIFBANK LEVENT BRANCH

OCCUPATIONAL HYGIENE MEASUREMENT REPORT

SZUTEST PLAZA

YÜKARİ DUDULLU MAHALLESİ NATO YOLU CADDESİ ÇAM SOKAK NO:07 ÜMRANIYE/İSTANBUL

TEL: 0216 469 46 66

WEB: www.szutest.com.tr

FAX: 0216 469 46 67

E-MAIL: isg@szutest.com.tr



SITE MEASUREMENT REFERENCES THIRD PARTY INSPECTION

SZUTEST	SZUTEST TEST LABORATORY							
	<i>SZUTEST Uygunluk Değerlendirme A.Ş.</i> Yukarı Dudullu Mah. Nato Yolu Cad. Çam Sok. NO:7 Ümraniye / İSTANBUL	 AB-0920-T İÇ2005-14 05-20						
TEST REPORT								
<i>Customer name/address</i>	: CVS HAVALANDIRMA SAN. TİC. A.Ş. ORTA MAH. TEVFIK İLERİ CAD. ÖRDEKÇİOĞLU BİNASI NO:32/1 PENDİK İSTANBUL							
<i>Order no</i>	: İÇ-206499							
<i>Ministry authorization no.</i>	: 159							
<i>Name and identity of test item</i>	: Indoor Dust Measurement							
<i>The date of receipt of test item</i>	: 08.05.2020							
<i>Date of Report</i>	: 11.05.2020							
<i>Report no.</i>	: İÇ2005-14							
<i>Number of pages of the Report</i>	: 6							
<p>SZUTEST Uygunluk Değerlendirme A.Ş accredited by TURKAK under registration number AB-0920-T accreditation file no. for TS EN ISO 9612-02.2000 as test laboratory</p> <p>The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.</p> <p>The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.</p> <p>[Seal: SZUTEST TEST LABORATORY]</p> <table><tr><td>Date</td><td>Person in charge of test</td><td>Head of Test Laboratory</td></tr><tr><td>11.05.2020</td><td>Emre KUZUCU [signature]</td><td>Gizem KARABIYIK [signature]</td></tr></table>			Date	Person in charge of test	Head of Test Laboratory	11.05.2020	Emre KUZUCU [signature]	Gizem KARABIYIK [signature]
Date	Person in charge of test	Head of Test Laboratory						
11.05.2020	Emre KUZUCU [signature]	Gizem KARABIYIK [signature]						
								
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FR.L.İÇ.D.05 R:04



TÜRKAK
TÜRK AKREDİTASYON KURUMU
TURKISH ACCREDITATION AGENCY

tarafından akredite edilmiş

TÜBİTAK
ULUSAL METROLOJİ ENSTİTÜSÜ



AD-0034-K
UME
GZAG-01/01
09-17

Kalibrasyon Sertifikası
Calibration Certificate

Cihazın Sahibi / Adresi Customer / Address	:	SZUTEST UYGUNLUK DEĞERLENDİRME ANONİM ŞİRKETİ Yukarı Dudulu Mah. Çam Sk. 7 A 1 Ümraniye - İSTANBUL
İstek Numarası Order No	:	2017.01728
Makine / Cihaz Instrument / Device	:	Akış Ölçer Flow meter
İmalatçı Manufacturer	:	TSI
Tip Type	:	4146
Seri Numarası Serial Number	:	41461446010
Kalibrasyon Tarihi Date of Calibration	:	11.09.2017 - 12.09.2017
Sayfa Sayısı Number of Pages	:	4



Bu kalibrasyon sertifikası, Uluslararası Birimler Sisteminde (SI) tanımlanmış birimleri gerçekleştiren ulusal ölçüm standartlarına izlenebilirliği belgeler. TÜBİTAK UME, CIPM nezdinde Karşılıklı Tanınma Düzenlemesi'ne (MRA) taraf bir kuruluştur.

This calibration certificate documents traceability to national standards, which realize units of measurement according to the International System of Units (SI). TÜBİTAK UME is a signatory of the CIPM Mutual Recognition Arrangement (MRA).

Türk Akreditasyon Kurumu (TÜRKAK) kalibrasyon sertifikalarının tanınması konusunda Avrupa Akreditasyon Birliği (EA) ve Uluslararası Laboratuvar Akreditasyonu Birliği (ILAC) ile Karşılıklı Tanınma Anlaşması'nı imzalamıştır.

The Turkish Accreditation Agency (TÜRKAK) is signatory to the multilateral agreements of the European Cooperation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (ILAC) for the mutual recognition of calibration certificates.

Ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri ve kalibrasyon metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir. Measurement results, expanded measurement uncertainties and calibration methods are given on the following pages, which are part of this certificate.

09.10.2017

Tarih
Date



Bu sertifika, TÜBİTAK UME'nin yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz sertifikalar geçersizdir.
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SITE MEASUREMENT REFERENCES VAKIFBANK



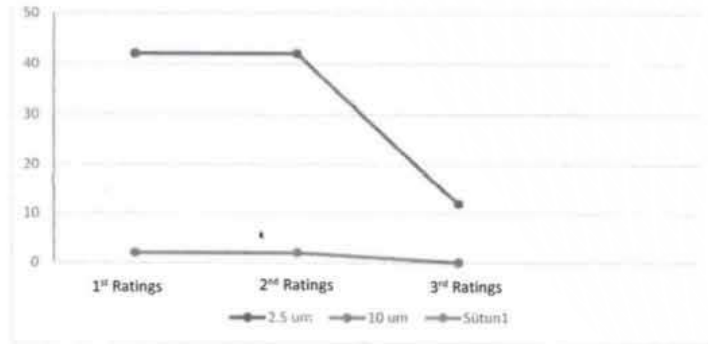
VAKIFBANK LEVENT BRANCH
AIR CLEANERS' PARTICLE RATE TEST REPORT

DATE: 30.04.2020-04.05.2020

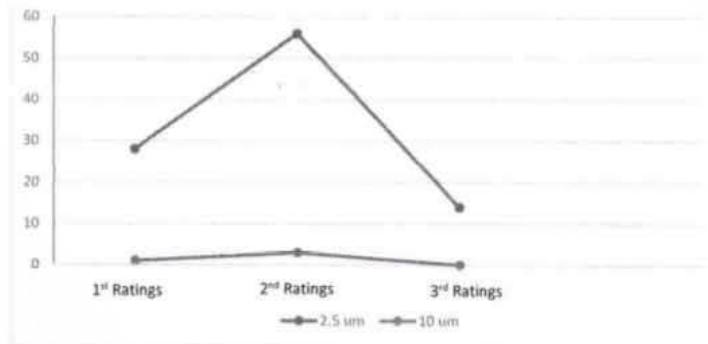
REPORT NUMBER: 0420-08



4th Zone Particle Rating Graph



5th Zone Particle Rating Graph



[Initial] [Initial] [Initial] [Initial] 

OMEGA

ÖLÇME KONTROL SİTEMLERİ KALİBRASYON
LABORATUVAR CİHAZLARI SAN. TİC. LTD. ŞTİ.

KALİBRASYON SERTİFİKASI CALIBRATION CERTIFICATE

Cihazın Sahibi / Adres <i>Customer / Address</i>	: ÇYS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş. Orta Mah. Tuzlu Barı Cad., Örsalpaşa Binası No: 231 Pendik / İSTANBUL
İstek Numarası <i>Order No</i>	: 20884
Makine / Cihaz <i>Instrument / Device</i>	: PARTİKÜL ÖLÇER
İmalatçı <i>Manufacturer</i>	: TROTEC
Tip <i>Type</i>	: BQ38
Seri No <i>Serial Number</i>	: 181113294
Kalibrasyon Tarihi <i>Date of Calibration</i>	: 22.05.2020
Sertifika Sayfa Sayısı <i>Number of Pages of the Certificate</i>	: 3

Bu cihaz Omka-Omega Kalibrasyon Kalite Güvencesi kapsamında uygun olarak işlenmiş ve kalibre edilmiştir ve Ulusal Metroloji Enstitüsü'ne (UMET) kaydedilmiştir.

This instrument has been processed and calibrated in accordance with the Omka-Omega Calibration Quality Assurance manual and is traceable to the National Metrology Institute (UMET).

Ölçüm sonuçları, güvenirliliği ölçüm belirlenimleri ve kalibrasyon metodları bu sertifikada tanımlanmış hatta ayrı takip eden sayfalarda mevcuttur.

The measurements, the uncertainties with confidence probability and calibration methods are given on the following pages which are part of this certificate.

Bu sertifika ibrazatlarına hariç başka hiçbir veya tamamen koparılmış çoğaltılamaz. Mikroiçerik ve barkodlar sertifikada geçerlidir.

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Etiket
Tag



Kontrol Kodu
QR Code



Kalibrasyon Yapan
Calibrated by



Halil ZENGİN

Laboratuvar Müdürü V.
Mutual of Laboratory Manager



Erhan KETENCİ



ANADOLUBANK KARTAL SOĞANLIK BRANCH
AIR CLEANERS' PARTICLE RATE TEST REPORT

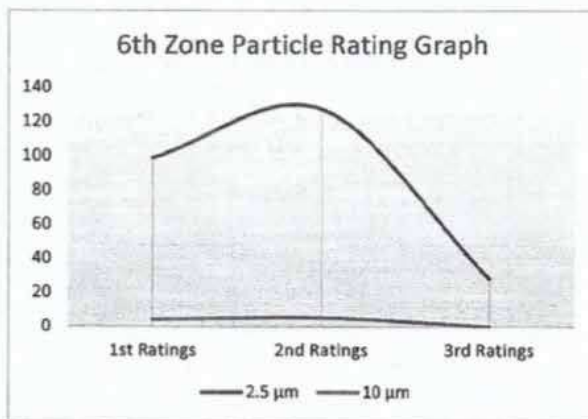
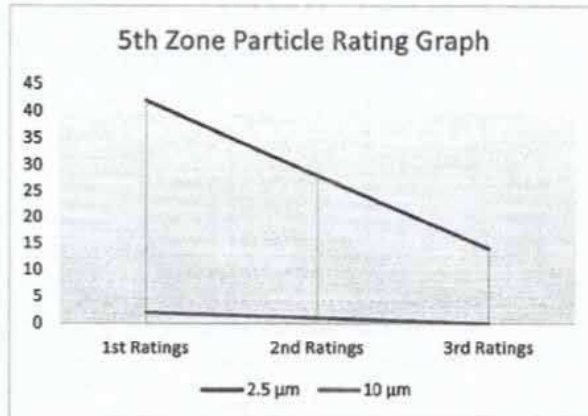
DATE: 06.05.2020-11.05.2020

REPORT NUMBER: 0520-10



SITE MEASUREMENT REFERENCES ANADOLUBANK

9



[Initial]

[Initial]

[Initial]

[Initial]





112 ACIL ÇAĞRI (İSTANBUL ANADOLU KOMUTA KONTROL MERKEZİ)
HAVA TEMİZLEME CİHAZLARI PARTİKÜL ÖLÇÜM TEST RAPORU

TARİH:05.05.2020-07.05.2020

RAPOR NO: 0420-09



SITE MEASUREMENT REFERENCES

112 EMERGENCY MEDICAL CENTER



* 8 5 8

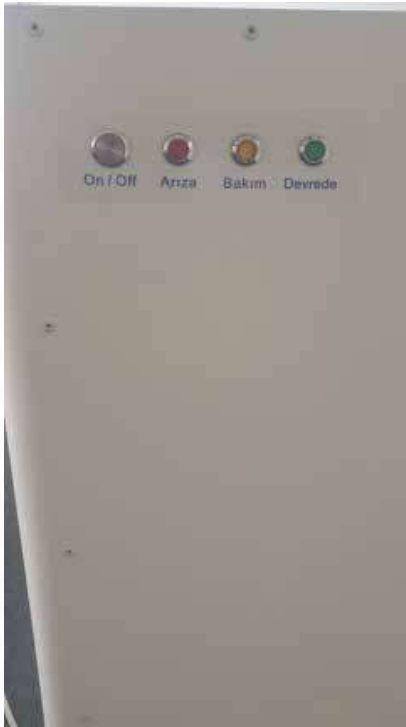




AIRCLEANER - XL



AIRCLEANER - S



 Cvsair[®]





Introduction

Thank you for purchasing the Cvsair Aircleaner. The product you have purchased is designed to serve you for a long time and without any problems. You may have used similar products before, but please take the time to read the manual. This manual is designed to get the best out of the product you have purchased. Safety is important. For future use, keep this manual in a suitable place.

Operational Conditions

The product is very simply designed to perform its basic task. As soon as it is operated, it sterilizes the indoor air through the filters it contains and sends it to the environment.



Safety is Important

For your own safety and the safety of others, please read the user manual before operating the product. Keep this manual in a safe place for future use. If you give your device to someone, also give them the user manual. Remove all packaging but keep the packaging until you are sure that your device is working. This device is not suitable for people of unsound mind or for people who do not have enough knowledge to use such devices. Never allow such people to use the device.

Safety Information

This manual explains safety information to be considered before, during and after use.

- The device is designed to work with 230V AC 50Hz voltage. Operating the device with a different voltage may damage the device and involve a risk of electric shock.
- To avoid the risk of an electric shock, do not remove the electrical parts of the device. Do not try to repair the device. If you have a problem with the device, contact Cvsair.
- Do not use the device in environments containing flammable and volatile substances.
- Do not use it in environments exposed to direct sunlight and near hot objects. If the device gets too hot, there is a risk of deformation in the form of a device, and if it gets too hotter, there is a risk of fire. Turn off the device if the air temperature rises above 40°C.
- Do not allow foreign objects to enter the device. There is a risk of electric shock due to the high voltage during the operation of the device.
Do not let children touch and play with the device.
- Do not place the device in a bathroom or where the device may contact with water.
- Do not cover the device. If the air inlets and outlets of the device are closed, the device may not work properly.
- Due to electric shock, fire, and other safety reasons, always unplug the device in the following cases.
 - If you will not temporarily use the device for a long time,
 - When cleaning, maintaining the device or replacing its filter,
 - When you will carry the device,

Technical Specifications

AIRCLEANER L

The device is designed for use in areas of 200-300 m². It is also suitable for use in smaller areas.

By plugging the product in a grounded socket, you can operate the product with the on-off button. When you start hearing fan noise, it means the product is working. You will see that fresh air is released to the environment from the perforated parts at the bottom.

To start operating, plug the product in a grounded socket and press the product's start button. When the fan of the device starts to operate, the contaminated air in the environment is drawn into the device from the upper grilles.

TECHNICAL SPECIFICATIONS

MODEL	AIRCLEANER-L
Dimensions	575*485*1300 mm
Power	360 Watt
Impact Area	300 m ²
Voltage/Frequency	230V / 50Hz
PM 2,5(%)	99,90%
Air Flow	900 m ³ /h
Weight	110 Kgs
Device Body	Electrostatic High Temp Painted

Operation

It can be used for sterilization of areas of 200-300 m² such as home, office, bank, restaurant, hospital lobbies, hotel lobbies, meeting rooms.

For maximum efficiency, it is recommended to put the device on walls close to the middle of the rooms and keep it 10-15 cm away from the wall instead of the corner points in the space.



Transportation-Storage

Our product, which can be easily transported with platform wheelbarrows, should be kept with its packaging until the moment of use and if the packaging is damaged at the moment of receipt, the damage must be reported together with the transport company.

If the place of use of the product should change, carry the device again using platform wheelbarrows, never move the device by pulling with its power cable.

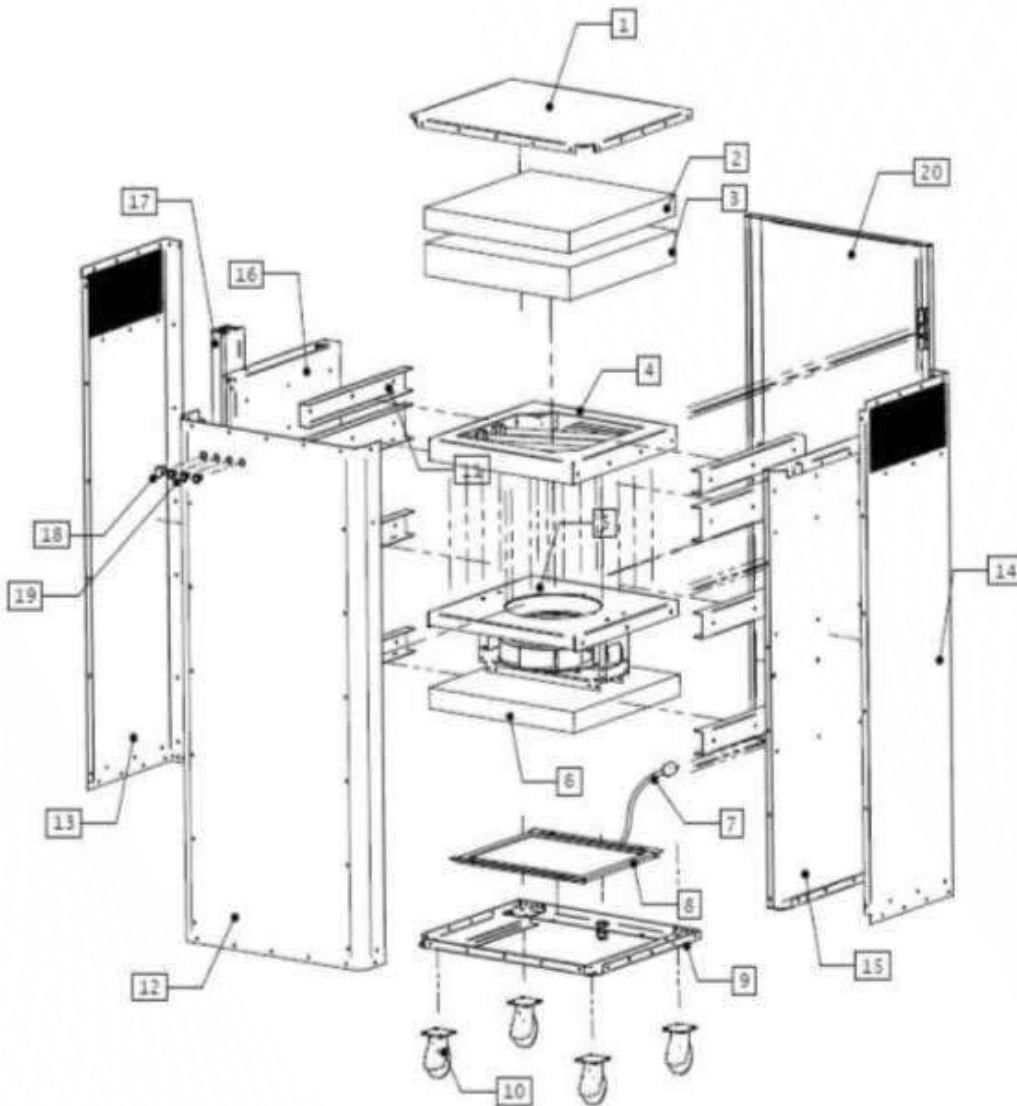
The product should be kept in closed areas.

Air cleaners should be kept without damaging their packaging, and by protecting from dirt and moisture.

It should be stored in an environment free from corrosive effects under suitable weather and environmental conditions.

For devices that are stored without packaging for a very long time, the first operation should be done by removing the filters for 5 minutes. Then the filters should be reinstalled, and they are continued to be used. All fans have been tested before leaving the factory. General check should be made when the product is received.





NUMBER	NAME OF PART	QUANTITY
1	CASING TOP SHEET	1
2	G4 FILTER	1
3	HEPA FILTER	1
4	UV LAMP CELL	1
5	COMPLETE FAN CELL	1
6	CARBONFILTER	1
7	DEVICE FEEDER CABLE	1
8	SCREEN FILTER	1
9	CASING BOTTOM SHEET	1
10	WHEEL	4
11	FILTER SKID	8
12	FRONT PANEL SHEET	1
13	LEFT SIDE PANEL SHEET	1
14	RIGHT SIDE PANEL SHEET	1
15	RIGHT SIDE PANEL INNER SHEET	1
16	LEFT SIDE PANEL INNER SHEET	1
17	CABLE DUCT SHEET	1
18	ON / OFF SWITCH	1
19	DEVICE WARNING LIGHTS	3
20	COMPLETE PANEL COVER	1



Cleaning and Maintenance

For the device to perform its task, it should be regularly maintained. It should be noted that devices that are not maintained periodically will be out of warranty. Turn off the device and unplug it before cleaning and maintenance. Device parts that need maintenance or replacement are as follows.

Device Removal and Maintenance

1. Thanks to the service cover located on the rear of the device, it is possible to access all filters to be interfered during the maintenance of the device.
2. You can remove the **G4 dust collector filters (filter number 2)** on the device by pulling them towards you after the service cover is opened. Depending on the frequency of use, the G4 dust collector filter should be cleaned at least once a month. It is possible to clean the filter by washing it in purified environments, but the filter should never be put into the device before it dries completely. If cleaning with water is not possible or if there is not enough time or opportunity to dry the filter, the filter is needed to be cleaned of the accumulated dust by cleaning it with a soft brush without pressing it.
3. For removing Carbon Filters (filter number 6), after opening the service cover on the device, you can pull it towards you by holding the metal plate with the skid and remove the whole set at once. These filters clean the ambient air of stench by keeping them inside thanks to the active carbons in its content. It is not possible to clean these filters. It should be replaced once a year depending on the frequency of use. It is understood that it needs to be replaced when the device cannot fulfil its stench prevention function when it loses its active carbon feature.
4. For removing the **H14 HEPA FILTERS (filter number 3)**, after opening the service cover on the device, you can pull the filter towards you and remove it. H14 filters are ones that provide high efficiency filtering against bacteria and viruses in the air. It is not possible to clean them. When its life is expired, it needs to be replaced. Hepa filters should be replaced at least once a year depending on the frequency of use. It is recommended to replace them once 6 months.
When replacing the HEPA filter, make sure that the filter is placed correctly. You can understand that the filter is placed upside down when you smell stench from the device when you operate the device. In this case, turn off the device and unplug it. Then change the direction of the HEPA filter by removing the filters.
5. The device has a **UVC lamp cell (number 4)**. After opening the service cover, remove the electrical connection of the lamps. you can remove the whole series by holding it with its skid and pulling it towards you. These UVC lamps kill invisible microorganisms. To increase the efficiency of the lamps, it is necessary to wipe slowly and precisely every 2-3 months with an alcohol wipe.

of the warranty period, in cases where the bearing life is expired, the bearing is to be replaced. You can understand the need for bearing replacement when the fan of the device operates with an extra mechanical noise. In cases where filters of the device are not maintained, the life of the device fan may change. You can get support from CVSAIR authorized services for all interventions to fan and motor.



Front panel cleaning

It can be wiped with a damp cloth. Use a soft cloth when cleaning to prevent the panel from scratching and removing paint. Cleaning with hot water or abrasive substances will damage the device.

After Cleaning, Drying

After cleaning, dry the device completely before using it. Otherwise, it may cause an electric shock, or the device may break down.

Responsibility

Cvsair Havalandırma Sistemleri A.Ş. does not accept responsibility in case of any damage that may occur because of use not in compliance with the instructions in this user manual. Cvsair Havalandırma Sistemleri A.Ş. do not accept responsibility in case the device is used in a place other than its own area, or it is repaired in services other than Cvsair authorized services.

Unauthorized use

In the unauthorized use cases specified below, the device may be damaged or cause injury; this device is not suitable for people of unsound mind or for people who do not have enough knowledge to use such devices. Never allow such people to use the device.

The device is not a toy. Therefore, do not let children use this device and be more careful when using the device with children.

Keep the items such as bags and cardboard out of the package away from children. Otherwise, children can harm themselves by swallowing them!



The device is not suitable for use by children under 8 years old.

If the device is used by unauthorized people, it will be out of warranty.

Usage Area

AIRCLEANER L model that appeals to larger and crowded areas in terms of usage area, is suitable for use in areas such as offices, banks, subways, hospitals, nursing houses, libraries, hotels-lobbies etc..

Recycling

If the useful life of the device is expired, cut the power cord so that it cannot be used. In accordance with the laws applicable in your country, leave the device in trash cans specifically designed for such devices. Electrical waste should not be disposed of with normal waste.

The packaging elements of the device are made of recyclable materials. Throw them in recycle trash cans.



Shipment

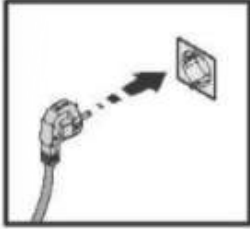
The device must be shipped in its original packaging or in a good and soft package to prevent damage.

For service contact

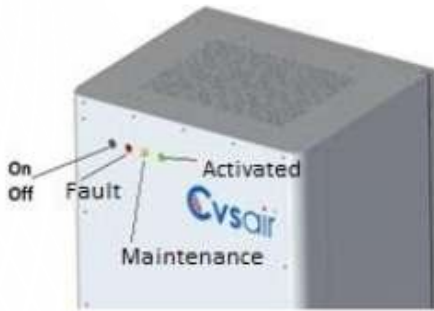


servis@cvsair.com.tr
Tel: +90 216 417 12 48

Commissioning



After the device is placed in a suitable location, the device must be plugged into a grounded socket for power. Before plugging in the device, make sure that the switch is in the OFF position.



It will be activated when you press the On button of the device.

The green "Activated" lamp will light up when the device is operating.

If the product breaks down, the red "Fault" light on the top will be on.

When the cover of the product is opened, it will stop running and the yellow "Maintenance" lamp will light up.

To turn off the product completely, turn the switch to Off position unplug it.



Frequently Asked Questions

Filter

It is very difficult to get rid of dust and stenches for the filter.

- Is the filter placed upside down?
- The filter has collected a lot of dust on it. Replace the filter.

The device does not work

Although I have turned on the device, the device does not work.

- The plug may be loose or unplugged. Check the plug.
- After cleaning, was the device properly reinstalled?

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PRODUCT SITE PHOTOS





PRODUCT SITE PHOTOS







AIRCLEANER



Virus



Bakteria



Acarine



Smoke



Pollen