

AIRCLEANER







Acarine



Smoke



Pollen

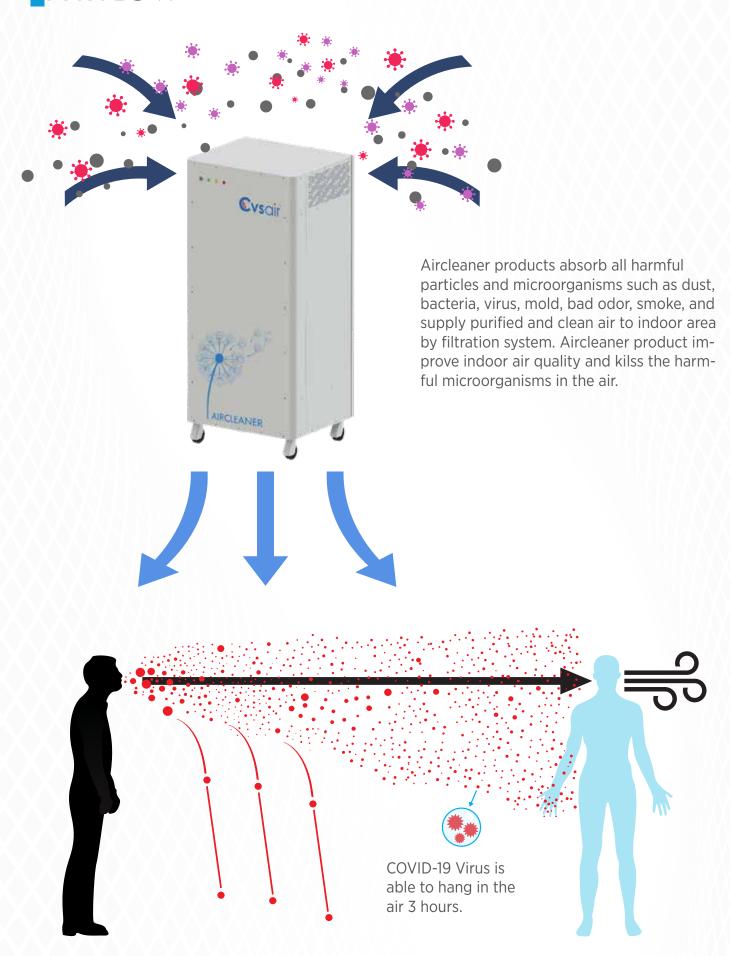




CONTENTS

AIR FLOW	4
GENERAL PRODUCT DETAILS	5
AIRCLEANER - 2XL	6
AIRCLEANER - XL	8
AIRCLEANER - L	10
AIRCLEANER - M	12
AIRCLEANER - S	14
AIRCLEANER - XS	16
FILTRATION	
PARTICLES - FILTRATION	19
PRE-FILTER - HEPA (H13) FILTER	20
UVC FİLTER	21
ELECTROSTATIC FILTER	
ACTIVE CARBON FILTER	25
COMPUTER AIDED FLOW ANALYSIS	
CERTIFICATES	
PRODUCT TESTS	32
REFERENCE SITE MEASUREMENTS	43
PRODUCT VISUALS	54
PRODUCT MAINTENANCE MANUAL	57
PRODUCT SITE PHOTOS	64

AIR FLOW







MODEL	VISUAL	SPECIFICATIONS	FILTRATION
AIRCLEANER 2XL	Copy	Operating Voltage Frequency 230V-50Hz-1Ph Dimensions 800*635*1960 mm Influence area Up to 500 m² Power 650 Watt UVC Lamp Total-Power 4x58 Watt/Total UVC Lamp Wavelength 254 nm UVC Lamp Life 9000 hour Weight 180 kg Electrostatic oven-dying casing Ral 9010 Sound Pressure Level Day Mode@3m 58 dBA Sound Pressure Level Night Mode@3m 43 dBA	HEPA (H13) Filter UVC Lamp Shield Plus Hygenic Pre-filter Rigit Bag Active Carbon Filter
AIRCLEANER XL	Charles	Operating Voltage Frequency 230V-50Hz-1Ph Dimensions 575*485*1300 mm Influence area Up to 300 m² Power 340 Watt UVC Lamp Total-Power UVC Lamp Life Air Flow 900 m³/h Weight 90 kg Electrostatic oven-dying casing Ral 9010 Sound Pressure Level Day Mode@3m 43 dBA Sound Pressure Level Night Mode@3m 43 dBA	Electrostatic Filter Ioniser Filter (+,- Ion) HEPA (H13) Filter Shield
AIRCLEANER L	Con	Operating Voltage Frequency 230V-50Hz-1Ph Dimensions 575*485*1300 mm Influence area Up to 300 m² Power 360 Watt UVC Lamp Total-Power 4x21 Watt/Total UVC Lamp Wavelength 254 nm UVC Lamp Life 9000 hour Air Flow 900 m³/h Weight 80 kg Electrostatic oven-dying casing Ral 9010 Sound Pressure Level Day Mode@3m 55 dBA Sound Pressure Level Night Mode@3m 40 dBA	HEPA (H13) Filter UVC Lamp Shield Plus Protected Filter Active Carbon Filter
AIRCLEANER M	Cha	Operating Voltage Frequency 230V-50Hz-1Ph Dimensions 575*485*1300 mm Influence area Up to 350 m² Power 400 Watt UVC Lamp Total-Power 4x21 Watt/Total UVC Lamp Wavelength 254 nm UVC Lamp Life 9000 hour Air Flow 1000 m³/h Weight 80 kg Electrostatic oven-dying casing Ral 9010 Sound Pressure Level Day Mode@3m 61 dBA Sound Pressure Level Night Mode@3m 46 dBA	Electrostatic Filter Ioniser Filter (+,- Ion) UVC Lamp Washable Pre-Filter Active Carbon Filter
AIRCLEANER S	Const	Operating Voltage Frequency 230V-50Hz-1Ph Dimensions 150*160*1100 mm Influence area Up to 35 m² Power 84 Watt UVC Lamp Total-Power 1x58 Watt/Total UVC Lamp Wavelength 254 nm UVC Lamp Life 9000 hour Air Flow 150 m³/h Weight 10 kg Electrostatic oven-dying casing Ral 9010 Sound Pressure Level Day Mode@3m 38 dBA Sound Pressure Level Night Mode@3m	UVC Lamp Pre-Filter
AIRCLEANER XS	Cons	Operating Voltage Frequency 230V-50Hz-1Ph Dimensions 150*160*650 mm Influence area Up to 20 m² Power 47 Watt UVC Lamp Total-Power 1x21 Watt/Total UVC Lamp Wavelength 254 nm UVC Lamp Life 9000 hour Air Flow 90 m³/h Weight 8 kg Electrostatic oven-dying casing Ral 9010 Sound Pressure Level Day Mode@3m 38 dBA Sound Pressure Level Night Mode@3m	UVC Lamp Pre-Filter

AIRCLEANER - 2XL



TECHNICAL SPECIFICATIONS

MODEL	AIR CLEANER - 2XL
110522	AIR GEE/AIVER ZAE
Operating Volt / Freq / Phase	230 V / 50 Hz / 1 Ph
Dimensions	800*635*1960
Influence Area	Up to 500 m ²
Power	650 Watt
UVC Lamp Total-Power	4x58 Watt / Total
UVC Lamp Wavelength	254 nm
UVC Lamp Life	9000 hour
Air Flow	2500 m³/h
Weight	180 kg
Device Casing	Electrostatic oven-dying RAL 9010
Sound Pressure Level Day Mode@3m	58 dBA
Sound Pressure Level Night Mode@3m	43 dBA

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.

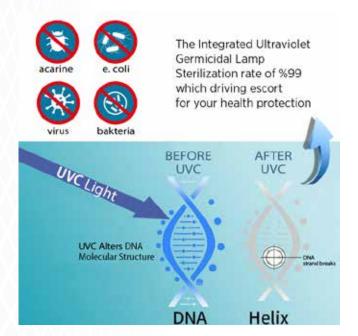
UVC Lamp: CVSAIR- AIRCLEANER UVC lamps are 254 nanometer wavelength. 254 nanometer wavelength UVC rays damages the DNA of microorganism and destroy with the ratio of 99,99 %. Lamp's lifetime is 9000 hours. UVC rays do not expose into the environment and they are harmless to the human health due to the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



UVC EFFECT





Tobacco Smoke



Pets



Bacteria



Pollen



Dust



Mold



Offices / Bank branches



Nursing Home / Ermegency Services



Entrance of Public Transportations

AIRCLEANER - XL



TECHNICAL SPECIFICATIONS

MODEL	AIR CLEANER - XL
Operating Volt / Freq / Phase	230 V / 50 Hz / 1 Ph
Dimensions	575*485*1300
Influence Area	Up to 300 m ²
Power	340 Watt
UVC Lamp Total-Power	-
UVC Lamp Wavelength	-
UVC Lamp Life	-
Air Flow	900 m³/h
Weight	90 kg
Device Casing	Electrostatic oven-dying RAL 9010
Sound Pressure Level Day Mode@3m	58 dBA
Sound Pressure Level Night Mode@3m	43 dBA

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.



SHIELD PLUS SPRAYING / COVID-19

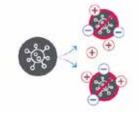




IONISER FILTRATION SYSTEM



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



Offices / Bank branches



Nursing Home / Ermegency Services



Entrance of Public Transportations

AIRCLEANER - L



TECHNICAL SPECIFICATIONS

MODEL	AIR CLEANER - L
Operating Volt / Freq / Phase	230 V / 50 Hz / 1 Ph
Dimensions	575*485*1300
Influence Area	Up to 300 m ²
Power	360 Watt
UVC Lamp Total-Power	4x21 Watt / Total
UVC Lamp Wavelength	254 nm
UVC Lamp Life	9000 hour
Air Flow	900 m³/h
Weight	80 kg
Device Casing	Electrostatic oven-dying RAL 9010
Sound Pressure Level Day Mode@3m	55 dBA
Sound Pressure Level Night Mode@3m	40 dBA

HITECH FILTRATION

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.

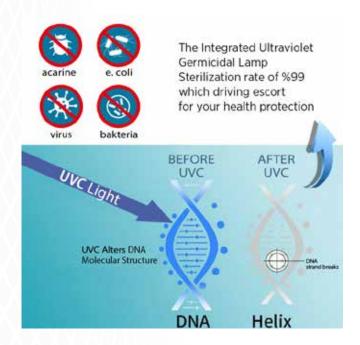
UVC Lamp: CVSAIR- AIRCLEANER UVC lamps are 254 nanometer wavelength. 254 nanometer wavelength UVC rays damages the DNA of microorganism and destroy with the ratio of 99,99 %. Lamp's lifetime is 9000 hours. UVC rays do not expose into the environment and they are harmless to the human health due to the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

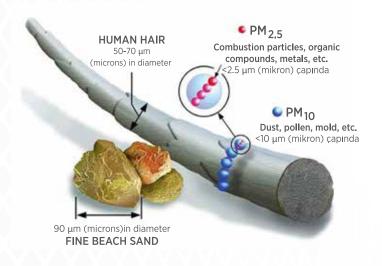
Active Carbon Filter: Tobacco smoke, bad odors, formaldehyde, hydrogen sulphur, ammonia, benzene etc... harmful chemical gases can be catalysed and disarmament.



UVC EFFECT



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





Bank branches



Offices



Dentists

AIRCLEANER - M



TECHNICAL SPECIFICATIONS

AIR CLEANER - M
230 V / 50 Hz / 1 Ph
575*485*1300
Up to 350 m ²
400 Watt
4x21 Watt / Total
254 nm
9000 hour
1000 m³/h
80 kg
Electrostatic oven-dying RAL 9010
61 dBA
46 dBA

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 smokei pollen and other unrequested particles.

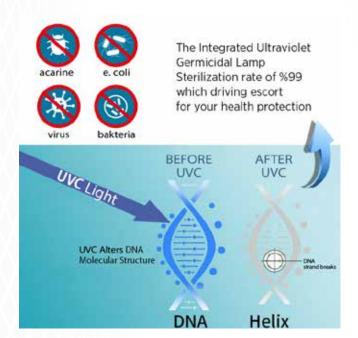
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Shield Plus Hygenic Pre-Filter: It kills the viruses in filters with it's anti-microbial structure. Effectiveness against to Covid 19 has been tested and certified by the laboratories. It captures the dust bigger than 5 microns in pre-filtration stage.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

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



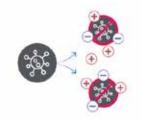
UVC EFFECT



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.



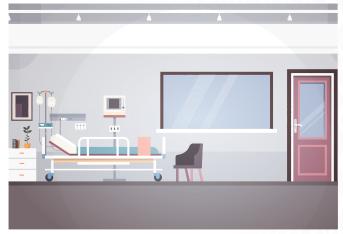
Scented gases and aerosol are oxidized and neutralized during the taction with oxygen ions.



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



Bank branches

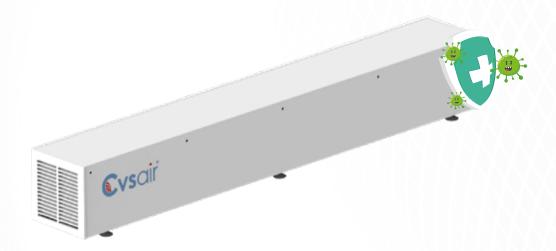


Emergency Services



Military Dormitories

AIRCLEANER - S



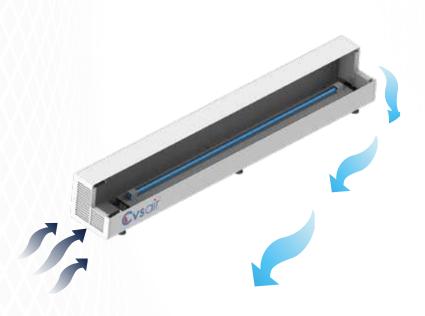
TECHNICAL SPECIFICATIONS

MODEL	AIR CLEANER - S
Operating Volt / Freq / Phase	230 V / 50 Hz / 1 Ph
Dimensions	150*160*1100
Influence Area	UP to 35 m ²
Power	84 Watt
UVC Lamp Total-Power	1x58 Watt / Total
UVC Lamp Wavelength	254 nm
UVC Lamp Life	9000 hour
Air Flow	150 m³/h
Weight	10 kg
Device Casing	Electrostatic oven-dying RAL 9010
Sound Pressure Level Day Mode@3m	38 dBA
Sound Pressure Level Night Mode@3m	-

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.
- CVSAIR- AIRCLEANER UVC lamps are in 254 nanometer wavelenght 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 wavelenght damages the DNA of the microorganisms with 99,99 % ration and destroy them.







Pharmacies



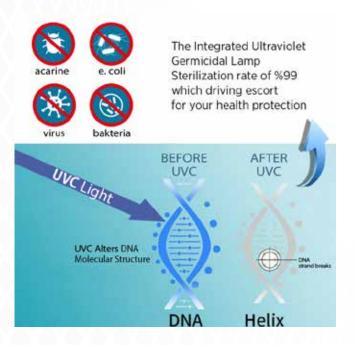
Houses



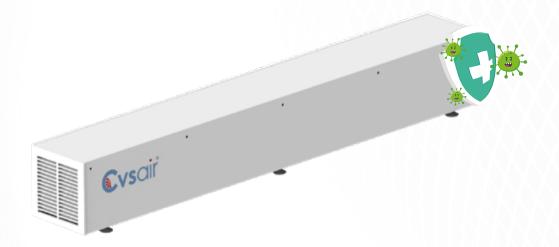


Dentists

UVC EFFECT



AIRCLEANER - XS



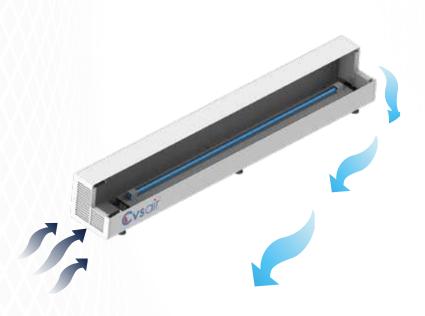
TECHNICAL SPECIFICATIONS

MODEL	AIR CLEANER - XS
Operating Volt / Freq / Phase	230 V / 50 Hz / 1 Ph
Dimensions	150*160*650
Influence Area	Up to 20 m ²
Power	47 Watt
UVC Lamp Total-Power	1x21 Watt / Total
UVC Lamp Wavelength	254 nm
UVC Lamp Life	9000 hour
Air Flow	90 m³/h
Weight	8 kg
Device Casing	Electrostatic oven-dying RAL 9010
Sound Pressure Level Day Mode@3m	37 dBA
Sound Pressure Level Night Mode@3m	-

AIRCLEANER XS 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.
- CVSAIR- AIRCLEANER UVC lamps are in 254 nanometer wavelenght 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 wavelenght damages the DNA of the microorganisms with 99,99 % ration and destroy them.







Pharmacies



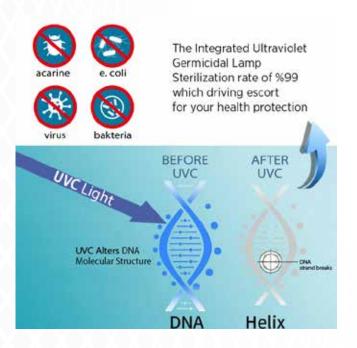
Houses

ilouses



Dentists

UVC EFFECT

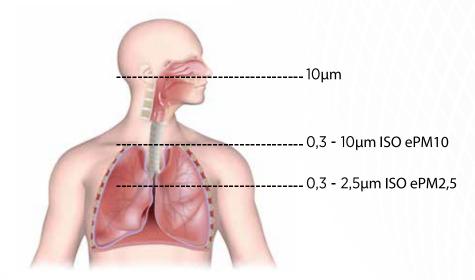




PARTICLES AND FILTRATION

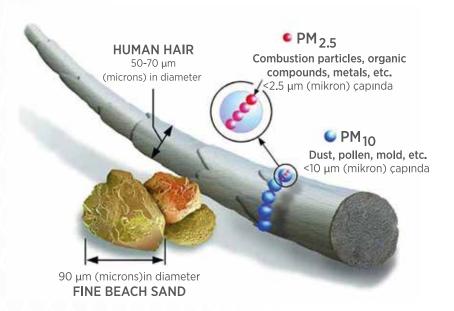


BREATHABLE PARTICLE DIMENSIONS



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, avarage atmospheric dusts 1-5 micron = Bacteria, light atmospheric dusts 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 it's anti-microbial structure. Effectiveness of Shield Plus application has been tested and certified by laboratories.

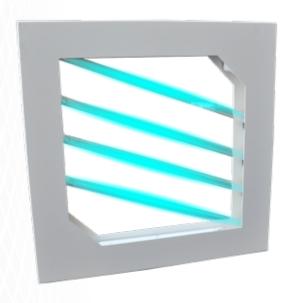
FILTRATION - HEPA (H13) FİLTER



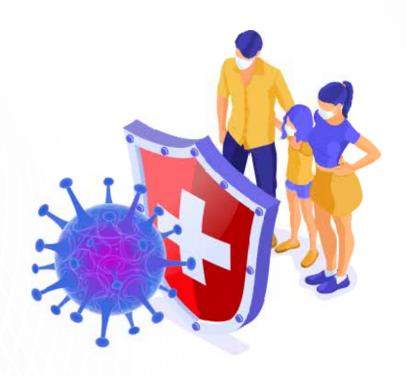
- HEPA Filters are in H13 class, aluminium frame and absolute solution filters.
- HEPA filter filtrates particles, germs, dusts bigger than 0.3 micron with ration 99,99 %. Microscopic particles, bacterial molds, dust, allergens and viruses can be filtrate by HEPA Filter.

FILTRATION - UVC FILTER





- 2UVC rays with 254 nanometer wavelenght 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.











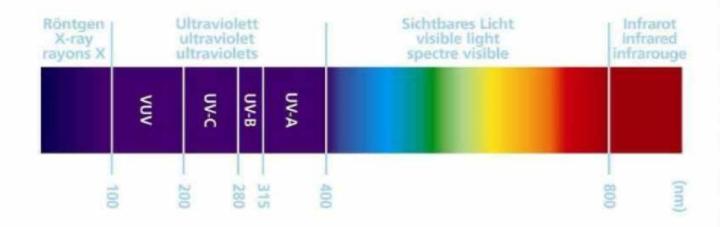
FILTRATION - UVC FİLTER

General Information about Ultraviolet

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

- 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 wavelenght are utmost range absorbed by DNA and RNA. This wavelenght distracts the natural structure of DNA and RNA. That's why, 254 nm UVC Lamps are used in Cvsair AirCleaner products.

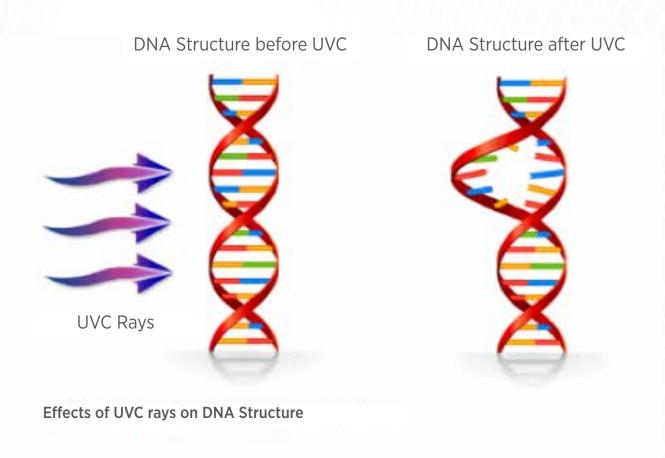


Electromagnetic wavelenght Radiation

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







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

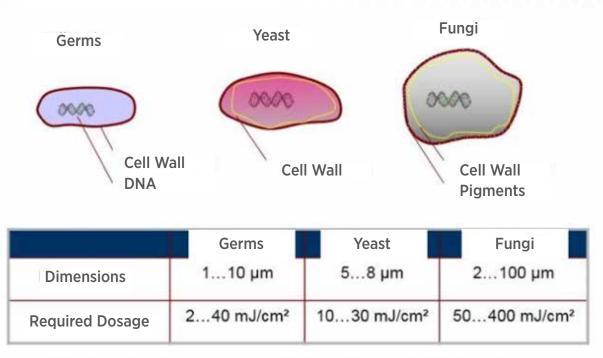


Table-1 UVC Dosage required for killing various types of microorganism

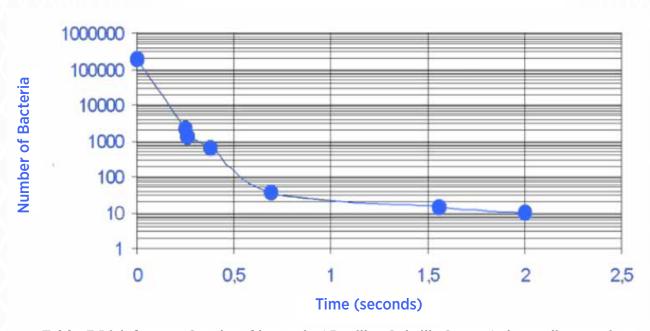


Table-3 Disinfectant Graphs of bacteria (Bacillus Subtilis Spores) depending on time Ref. Fraunhofer in Freising Institution



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

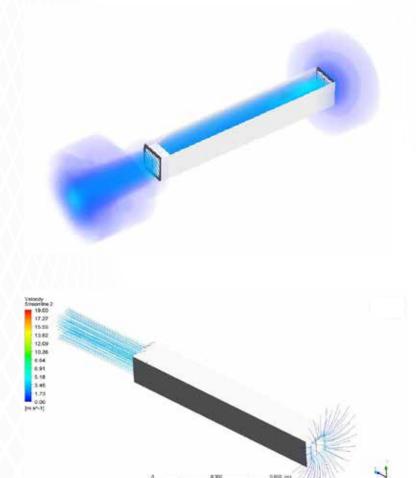
FILTRATION - ACTIVE CARBON FILTER



- 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.



COMPUTER AIDED FLOW ANALYSIS



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.

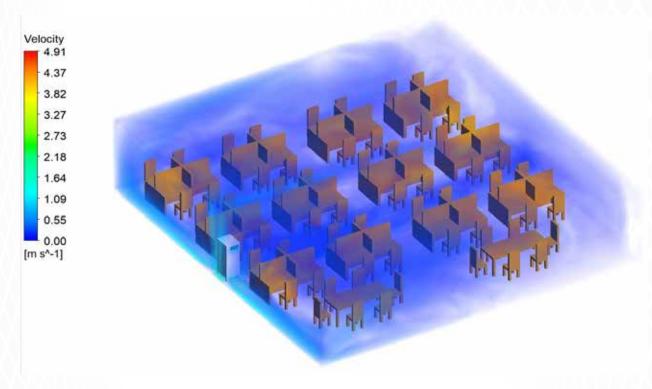
*Air flow analysis for Aircleaner S model



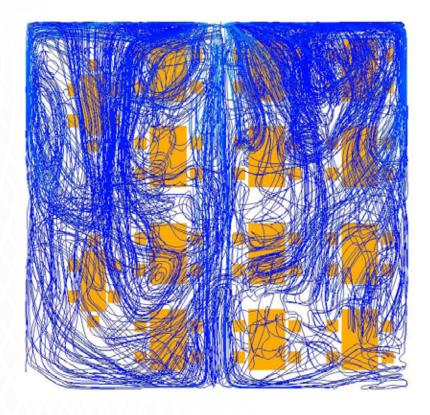
*Aircleaner ortam hava dağılım analizi



COMPUTER AIDED FLOW ANALYSIS



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



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





SZUTEST

CERTIFICATE OF COMPLIANCE UYGUNLUK SERTIFIKASI

The technical file and test reports of the following product have been checked and found in compliance with the Purliament and Council Directive 2014/25/EU of 25 February 2014 on the humanication of the laws of Member States running to excitical equipment designed for use within certain voltage limits.

Teknik dasya we test reporter inceleraren, deletter drucen Avrupa Beligi Teknik Komayoni ferefunda 25 Şubel 2014 milhada yayınlarını 2014/35/EU Belirli Gentlim Simitan Dahalinda Çalışmak Daner Tecanfarmış Teptical de Bşil Ydremergine wygunlogu saprannight

Certificate Number: Siortifika Numarasi

OSE-25-6464/01

Applicant: Başvuru Sahibi CVS HAVALANDIRMA SISTEMLERI SAN. VE TIC. A.S. Orta Man. Tevfik lieri Cad. No:32/1 Pendik/ISTANBUL

Manufacturer: Credici

CVS HAVALANDIRMA SISTEMLERI SAN, VE TIC. A.S. Orta Mah. Tevfik fleri Cad. No:32/1 Pendik/ISTANBUL

Trade Mark: Ticari Marka



Product: Distin:

AIR CLEANER HAVA TEMIZLEME MAKINESI

Model:

AIRCLEANER S / M / L / XL / 2XL

Base of attestation: Oney Deyenağı:

File of technical documentation, test report Ref. No. OSE-20-0404/01 Teknik Dokümantasyon, OSE-20-0404/01 numarak Test Raporu

Validity: Gecertific 15.04 2020-14.04 2023

." This Certificate of compliance is issued on a voluntary trasic according to Council Directive 2014/25/EU of 20 Petrusny 2014 on the furnishmentation of the laws of Member States relating to electrical equipment designed for use within detain voltage limits. The referred technical flags is reviewed and attested with presumption of

for use within certain votage lands. The retained lectrical Stops is reviewed and attested with precuring to compliance with the essential requirements field EU Directive(x) above. This attestance does not simple the computery obligation of the menufacturer in issue the declaration of combining.

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SZUTEST UYGUNLUK DEĞERLENDİRME A.Ş.

Szutest.com.tr





Sertifika

Bu beige lie

CVS HAVALANDIRMA SISTEMLERI SAN. VE TIC. A.Ş. Cumhuriyet Mah. Kartal Cad. No:101/1 Kartal ISTANBUL, 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 TAAHHÜT İSLERİ VE SERVİS HİZMETLERİ

Sertifike Numeress:

Basalma Tarihi: (Orijinal)

Basilere Taribi:

82724VA/0001/UK/Tr

02 Haztran 2017

02 Heziran 2017

Baski No.

Billip Toribi:

01 Haziran 2020

Belgavi Veren:



Santilka ydnatialai adina









Prior is no deal and the advance, of the motions, deals on or become in most the most life of the Date or string or, antifested one.

Only Read Control Explorer of Epistem (Habbys, 16), Satty Bires, Posty Read, Recoverant SA: 100, US Control Explorates or 1286/1

CERTIFICATES





CVS HAVALANDIRMA SİSTEMLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ

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

TCS Belgelandirme tarafından denedenmiş ve uygulamakta olduğu Çevre Yönelim Sisteminin is audited by TCS Certification and applied Environment Management System most the requirements of

ISO 14001:2015

standardına aşağıdaki kapsamda uymakta olduğu gözlenmiştir tanestard for the following activities

Otopark Havalandırması (Aksiyal Kanal Fanı, Aksiyal Jet Fan, Radyal Jet Fan, Çift Yönlü Aksiyal Jot Fani, Bina Havalandırması (Kanal Fanı, Hücreli Fan, Çatı Fanı, Duvar Tipi Fan, Klima Santrali). İç Mekan Havalandırması(Banyo Fans, Karma Akışlı Fans, Mutfak Fans, İsı Geri Kazanım Cihozı), Sığınak Havalandırması (Sığınak Fanı) Montajı

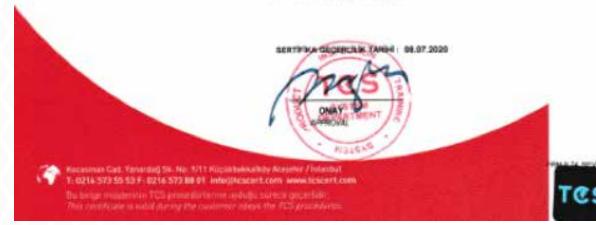
Installation of Carperk Ventilation (Axial Dust Fan. Axial Jet Fan. Radial Jet Fan. Axial Reventible Fan), Building Ventilation (Duct Type Fax, Cabinat Fax, Wall Type Fax, Air Handling Unit), Residential Ventilation (Bathroom Fans, Mixed Flow Fans, Kitchen Fan, Heat Recovery Unit, Shoter Ventilation (Shelter Fan)

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

Sertifica Br. Yayon Tarthur 08:07:2016

Swiffing Son Basen Tarits / 08:07:2019

cut Bergerentemenin Geçerlik Perlyodu / 98.07.2019 - 08.07.2022



PRODUCT TEST - BACTERIAL TEST



ANALIZ RAPORU

Rapor No. : 2010452E Rapor Tarthi : 13/05/2020

Firms : CVS HAVALANDIRMA SISTEMLERI SAN. VE TIC. A.S.

Adres : Orta Mah. Tévfik ileri Cad. Ördekploğlu Biriasi No:32/1 Pendik İstanbul/Tühliye

Numure ; AirCleaner

Numune Ambalaji :Numune Miktari :- 1 adel
Numunenin Alendigi Yer :Numuner Alma Tarihi :Seri-Parti No / Lot No :-

Numune Taşıma Şartları / Dygulanan İşlemler; -

Numure Gelig Tarihi : 08/05/2020 14:00:00 Analiz Başlangıç Tarihi : 08/05/2020 14:15:00 Analiz Bilis Tarihi : 12/05/2020

Müşlerimiz tarafından fesilim edilen numunede yapılan analiz sonuçları

Parametreler	Birim	Bulgu	Metot	Bilgi
UV Etkinik Testi		1		
inhibisyon Orana	%	>9.0.0	DMS 136808	
Enterobacter aerogenes (UV lg/k)	kub/0.5mL	Tespit Editemedi	DMS 116808	
Enterobacter aerogenes (Normal Işik)	kpb/0.5mL	232	DMS 116808	
50re	dakina	1	DMS 116808	
Mesate (UV işik ile petri arası)	ćm.	40	DMS 136808	

Metot

DMS: Disklaman Yöresim Sielemi - İşletma İşi Məfat

Merve BİRAH Mikrobiyoloji Laboratuvar Sorumlu Yardımcısı Tasdik Olunur 13/05/2020 Ömer Yasin BALII

1/2

Covre Endicatived Analiz Cadershaven Fiz. Tic. A.S. Marker Mahadeal Tadigener-Sokak No.13 Meet Plazes Kat 2.4 Kapithene / Saturdad Tel.: (0212) 221 00 00 (pts) Faloz (0212) 221 00 70 e-mail: Info@covreanaliz.com www.covreanaliz.com

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

Metot

DMS: Doküman Yönetim Sistemi - İşletme İçi Metot

PRODUCT TESTS - EMC TESTS





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: 0 312 615 13 27

TÜRK. V AB-0341-T 20-1045-R0-N1-1 04-20

DENEY RAPORU

Test Report

1/44

Date of leave

Müşteri Cleri	1	CVS HAVALANDIRMA SİSTEMLERİ SAN. ve TİC. A.Ş
Adres Address	1	ORTA MAH. TEVFİK İLERİ CAD. ORDEKÇİOĞLU BİNASI NO:32/1
İmalatçı Manufacturer	:	CVS HAVALANDIRMA SİSTEMLERİ SAN. ve TİC. A.Ş
Deney Numunesi Test Sample	;	XL
Marka Trade Men	:	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	ŧ	44
Basım Tarihi		21.04.2020

Deney laboraturran olarak fasilyet güsteren LVT Test Laboraturarian Ltd. Şti. TÜRKAK' tan AB-6341-T numanası ile ECRSO TS EN 17025:2017

standardina göre skredita adlinigtir.
LVT Test Laboratovarian List. QS. according by TÜRKAK under registration number AIS-0341-7 for IEC/ISO 17625/2017 as lest laboratory.

Türk Akreditesyon Kurumu (TÜRKAK) deney raporlamını tanımması konusunda Avrupa Akreditasyon Birliği (EA) ile Çok Taraflı Anlaşma ve Ukustararası Laboratuvar Akreditesyon Birliği (E.AC) ile karşılığılı tanımma antisymasını impalamıştır.
The Turkun Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Mubisterel Agreements (BEA) and to the International Laboratory Accreditation Cooperation (EAC) Mubisterel Agreements (BEA) and to the

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

The Sest and I or measurements results, the uncertainties (if required) with confidence probability and less medicals are given on the following pages which are part of this report.



Deney Sorumlusu Person in Charge of Test

Laboratuvar Müdürü Head of Testing Laboratory



Tank DI

kuntrol edebilirsing You can check the report details visi CIR make

Bu rapor, Laboratuvarımızın yazılı izni olmadan kısmen kopyalanıp çoğaftılamaz.

American ve multitratiz raportar geoenstelle.

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İSTANBUL MEDENİYET ÜNİVERSİTESİ MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESI MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ



INCELEME RAPORU

Proje: AIRCLEANER ÜRÜN TESTLERİ

Amaç: Aircleaner Ürünlerinin Cihaz Dışı UVC Yoğunluklarını Ölçererek

Standartlara Göre İnsan Sağlığına Etkisinin İncelenmesi

Hazırlayan: Assoc. Prof. Dr. Hasan KÖTEN



Assoc. Prof. Dr. Hasan KÖTEN

Istanbul Medeniyet University

Head of Mechanical Engineering Department

F Building - 34700 Uskudar / Istanbul

GSM: 0505 5230146

20.05.2020



PRODUCT TESTS - UVC TEST





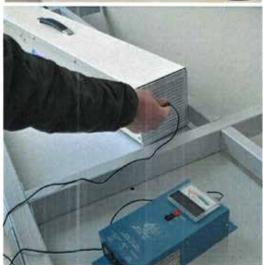
İstanbul Medeniyet Üniversitesi Makine Mühendisliği Bölümü

9 Ekler

Test Görselleri











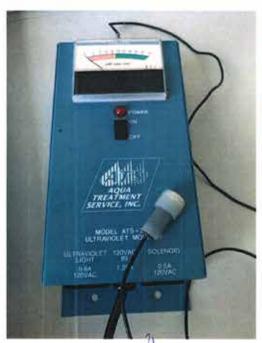
PRODUCT TESTS - UVC TEST



İstanbul Medeniyet Üniversitesi Makine Mühendisliği Bölümü

Ölçüm Aleti

Ölçümler ATS-254 model , 254 nm dalgaboyunda, 0-40 µW/cm2 aralığında ölçüm yapabilen şekil 4 deki el ölçüm aletiyle yapılmıştır.





Şekil-4 Ölçüm Aleti ATS-254

Assoc.Prof. St. Nasah NOTEN

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Assoc.

PRODUCT TESTS - LVD TEST



SZUTEST UYGUNLUK DEĞERLENDİRME A.S. INSPECTION REPORT/MUAYENE RAPORU

Page/Sayfa 1 / 132

Inspection Report

Muayene Raporu

20-0404/01 REF. NO:

According to the 2014/35/EU Low Voltage Directive

-e göre

Issue Date: 15.04.2020

Basam Tarihi

Product: AIR CLEANER

HAVA TEMIZLEME MAKINESI Ürün:

Type: AIRCLEANER XL

Model

Trade Mark: Ticari Marka:

Variants AIRCLEANER S / M / L / 2XL

Varyans

CVS HAVALANDIRMA SISTEMLERI SAN. VE TIC. A.S. Applicant:

Basyuru Sahibi Applicant Adress: Orta Mah. Tevfik İleri Cad. No:32/1 Pendik/İSTANBUL.

Başvuru Sahibi Adres

CVS HAVALANDIRMA SISTEMLERI SAN. VE TIC. A.S. Manufacturer Name:

İmalatçı Adı

Manufacturer Adress: Orta Mah. Tevfik ileri Cad. No:32/1 Pendik/iSTANBUL

Imalatçı Adresi

Applied Standarts: Uygulanan Standartlar

Author:

Cagatay YORUR Yazan Seyda USLU Approved:

Onaylayan

*By order of CVS HAVALANDIRMA SISTEMLERI SAN. VE TIC. A.Ş. at SZUTEST, TÜRKİYE

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

Report No: 20-0404/01



İSTANBUL MEDENİYET ÜNİVERSİTESİ MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ



INCELEME RAPORU

Proje: AIRCLEANER ÜRÜN TESTLERİ

Amaç: Hava Temizleme Cihazları İç Hava Kalitesi Partikül Ölçümü

Hazırlayan: Assoc. Prof. Dr. Hasan KÖTEN



Assoc. Prof. Dr. Hasan KÖTEN
Istanbul Medeniyet University
Head of Mechanical Engineering Department
F Building - 34700 Uskudar / Istanbul
GSM: 0505 5230146

20.05.2020

1

PRODUCT TESTS - PARTICLE TESTS





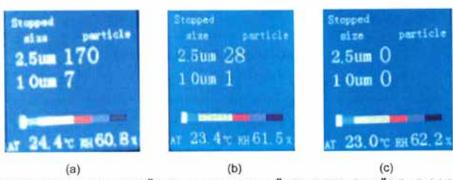
İstanbul Medeniyet Üniversitesi Makine Mühendisliği Bölümü

9 Sonuç

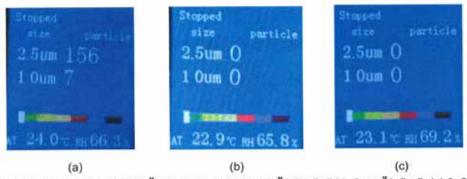
Test ölçümleri sonucunda Aircleaner-L ve Aircleaner-M cihazlarının bulunduğu ortamdaki partikül miktarını azaltarak, hava kalitesini artırmada başarılı olduğu tespit edilmiştir.

10 Ekler

10.1 Ek-1 Test Fotoğrafları



Resim 1: Aircleaner-M Partikül Ölçümleri (a)Başlangıç Ölçümü, (b)1. Saat Ölçümü, (c) 3. Saat Ölçümü



Resim 2: Aircleaner-L Partikül Ölçümleri (a)Başlangıç Ölçümü, (b)1. Saat Ölçümü, (c) 3. Saat Ölçümü



Sayfa 6 / 6



CVSAIR PARTİKÜL ÖLÇÜM TEST RAPORU



TEKLIF SAYAC NO: SRV-027

MUAYENE TARIHI/INSPECTION DATE: 20.04.2020

CVSAIR HAVA TEMİZLEME CİHAZI PARTİKÜL ÖLÇÜM TEST RAPORU

TEKLÍF SAYAÇ NO: SRV-027

MUAYENE TARIHI /INSPECTION DATE: 20.04.2020

ATSON İNŞAAT TAAH. MAKİNA İÇ VE DIŞ TİC. LTD. ŞTİ.

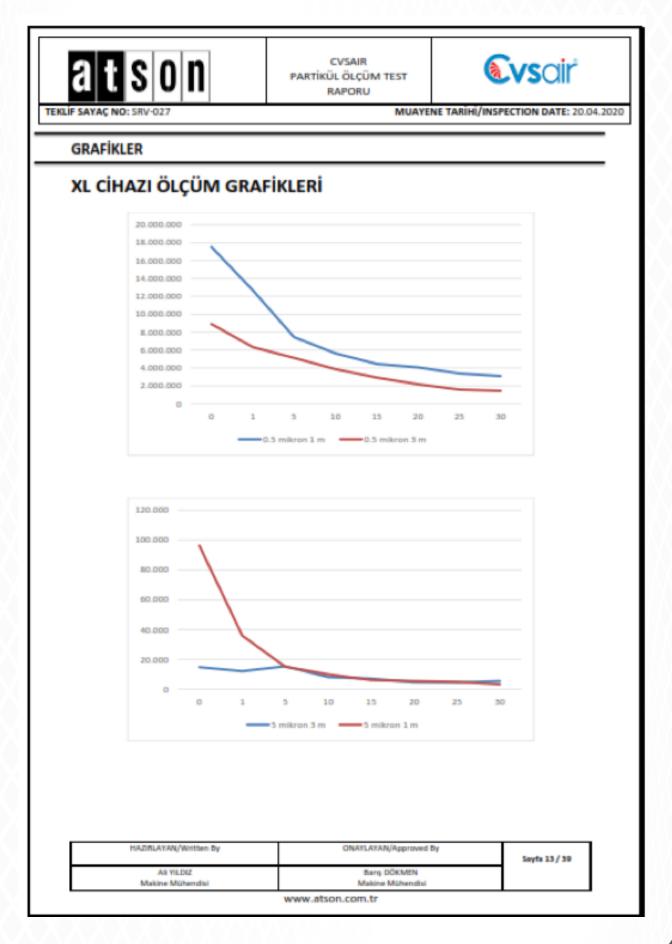
Aydıntepe Mah. Dinçel Sok. No:9/1-2-3 ATSON Plaza Tuzla / İSTANBUL Tel: (216) 330 96 18 Fax: (216) 330 12 20

HAZIRLAYAN/Written By	ONAYLAYAN/Approved By	Sayfa 1 / 39	
All YILDIZ Makine Mühendisi	Barış DÖKMEN Makine Mühendisi		
usuar atron com te			

www.atson.com.tr

PRODUCT TESTS - PARTICLE TESTS







SITE MEASUREMENT REFERENCES THIRD PARTY INSPECTION



SZUTEST

SZUTEST Uygunluk Değerlendirme A.Ş.

SZUTEST DENEY LABORATUVARI
İS HİJYENİ VE ANALİZ LABORATUVARI

CVS HAVALANDIRMA SAN. TİC. A.Ş. VAKIFBANK LEVENT ŞUBESİ

İŞ HİJYENİ ÖLÇÜM RAPORU

SZUTEST PLAZA

YUKARI DUDULLU MAHALLESI NATO YOLU CADDESI ÇAM SOKAK NO:07 ÜMRANİYE/İSTANBUL

TEL: 0216 469 46 66 WEB: www.szutest.com.tr FAX: 0216 469 46 67 E-MAÎL: Isq@szutest.com.tr

SITE MEASUREMENT REFERENCES THIRD PARTY INSPECTION

SZUTEST TEST LABORATORY

SZUTEST

SZUTEST Uygunluk Değerlendirme A.Ş.

Yukarı Dudullu Mah. Nato Yolu Cad. Çam Sok. NO:7 Ümraniye / ISTANBUL.

TEST REPORT



Customer name/address

: CVS HAVALANDIRMA SAN. TIC. A.S.

ORTA MAH. TEVFİK İLERİ CAD. ÖRDEKÇİOĞLU BİNASI NO:32/1

PENDIK ISTANBUL

Order no

: IC-206499

Ministry authorization no.

: 159

Name and identity of test item

: Indoor Dust Measurement

The date of receipt of test item

: 08.05.2020

Date of Report

: 11.05.2020

Report no.

: IC2005-14

: 6

Number of pages of the Report

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

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.

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.

[Seal: SZUTEST TEST LABORATORY]

Date 11.05.2020 Person in charge of test Emre KUZUCU

[signature]

Head of Test Laboratory Gizem KARABIYIK

[signature]

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FR.L.İÇ.D.05 R:04

SITE MEASUREMENT REFERENCES THIRD PARTY INSPECTION





TÜRKAK TÜRK AKREDİTASYON KURUMU TURKISH ACCREDITATION AGENCY

tarafından akredite edilmiş



AB-0034-K G2AG-0161 09-17

TÜBİTAK ULUSAL METROLOJÍ ENSTÍTÜSÜ

Kalibrasyon Sertifikası Calibration Certificate

Cihazın Sahibi / Adresi

Customer / Address

SZUTEST UYGUNLUK DEĞERLENDİRME ANONIM SİRKETİ

Yukarı Dudullu Mah. Çam Sk. 7 A 1 Ümraniya - İSTANBUL

stek Numarası

Order No.

2017.01728

Makine / Cihaz Akış Ölçer Flow meter Instrument / Device

Imalato

TSI

Manufacturer

Tip Type 4146

Serl Numarası

41461446010

Serial Number

11.09.2017 - 12.09.2017 Kalibrasyon Tarihi

Date of Calibration

Sayfa Sayısı Number of Pages

Bu kalibranyon sertifikasi, Ulustoramin Birimler Sixtemi'nde (SI) terimlering birimleri gerçekleştiren ulusal ölçüm standartlarına izlenebiliriği belgeler. TÜBİTAK ÜME, CIPM nezdinde Karşılıklı Tanıma Düsenlemesi'ne (MRA) taraf bir kuruluştur.
Tita calibratice certificate documents traceabiley to national standards, which matter units of measurement according to the following System of Units (SI). TÜBİTAK ÜME is a signalary of the GPM Mutual Recognition Atrangement (MRA).

Türk Akreditasyon Kurumu (TÜRKAK) kelibrasyon sertifikalarının tarınması konusunda Avrupa Akreditasyon Birliği (EA) ve Uluslararası Laboratuvar Akısditasyonu Birliği (R.AC) ile Karşılıklı Tanınma Anlaşması'nı imzalamıştır.

The Trinkish Accreditation Agency (TCRANIC) is ofgreeing to the insulfational agreements of the European Cooperation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (EAC) for the mutual recognition of californics.

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

09.10.2017

Tarih Date

SITE MEASUREMENT REFERENCES VAKIFBANK





VAKIFBANK LEVENT BRANCH AIR CLEANERS' PARTICLE RATE TEST REPORT

DATE: 30.04.2020-04.05.2020 REPORT NUMBER: 0420-08







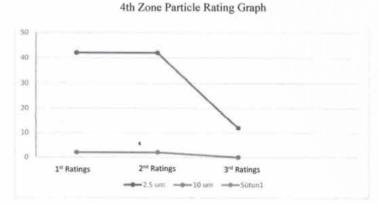




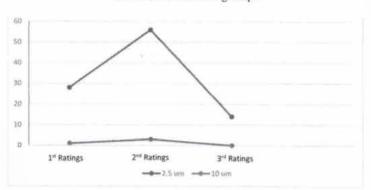
SITE MEASUREMENT REFERENCES VAKIFBANK

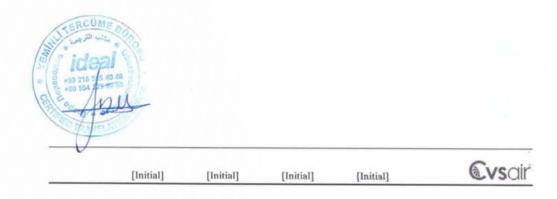


11



5th Zone Particle Rating Graph







KALIBRASYON SERTIFIKASI

CALIBRATION CERTIFICATE

Cibazza Sahibi / Adres

; CVS HAVALANDIRMA SİSTEMLERİ SAN. VE TİC. A.Ş. Orta Mah., Tevfik İleri Cad., Ördekçioğla Bizanı No: 32/1 Pendik / İSTANBUL

İstek Numarası

1 20886

Makine / Cibaz

: PARTÍKÜL ÖLÇER

İmalatça

Lanustacturer

: TROTEC

那。

: BQ20

Seri No Serial Number

; 181113396

Kalibrasyon Tarihi
Date of Culibration

1 12.05.2020

Sertifika Sayfa Sayun Number Of Pages Of The Certificate

: 3

Bu ciban Omka-Omega Kalibrasyon Kalite Güvence kalavanuna uygun olarak işlenmiş ve kalibre edilmiştir ve Utusal Metroloji Enstitüsü'ne (UME) kadar işlensbilirdir.

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

Ölytim sornyları, genişletilmiş ölytim belirelelikleri ve kaliferasyan metodiacı bu sertifikasını tamamlayıcı kunnı olan takip eden sayfalarda verilmişdir.

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

Bu sertifika laborutavarın izzi olmadan kazzen veya tamamen boyyalanış çoğaltılamaz. Mühürsüz ve karekoduz sertifikalar gaçerdadir. Bu sertifikanın günceliğini karekod doğrulamasıyla kontrol edebilirdisiz.

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Relievel

Tieg

TORK SHOW THE 13.05.3600

Engine Kedu QR Code



Kalibrasyona Yapan

Calibrated By



Laboraturus Mildürü Y.

Behalf of Laboratory Manager



Ball ZENGÍN

Erical KETENCI

1348 Seksik Nor5461 Yenipehir - İZMİR / TÜRKİYE Tel & Fax : +96 232 459 62 63 - 458 89 88, - http://www.kalibrasyon.net, inmir@kalibrasyon.net

SITE MEASUREMENT REFERENCES ANADOLUBANK







ANADOLUBANK KARTAL SOĞANLIK BRANCH AIR CLEANERS' PARTICLE RATE TEST REPORT

DATE: 06.05.2020-11.05.2020 REPORT NUMBER: 0520-10

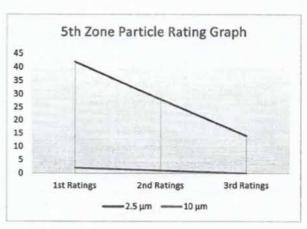


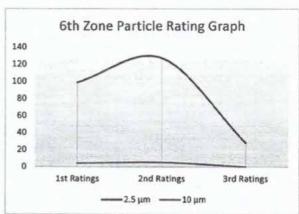


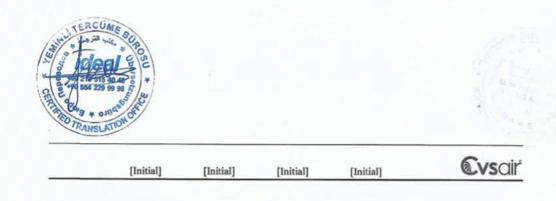




SITE MEASUREMENT REFERENCES **ANADOLUBANK**







SITE MEASUREMENT REFERENCES 112 EMERGENCY MEDICAL CENTER







112 ACİL ÇAĞRI İSTANBUL ANADOLU KOMUTA KONTROL MERKEZİ HAVA TEMİZLEME CİHAZLARI PARTİKÜL ÖLÇÜM TEST RAPORU

TARÍH:05.05.2020-07.05.2020

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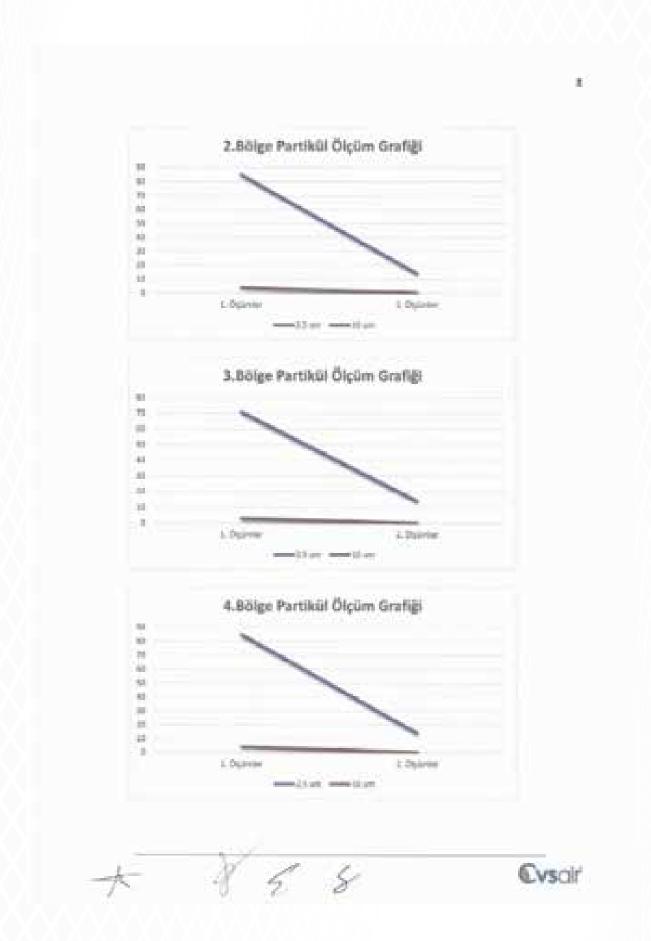








SITE MEASUREMENT REFERENCES 112 EMERGENCY MEDICAL CENTER





PRODUCT PHOTOS



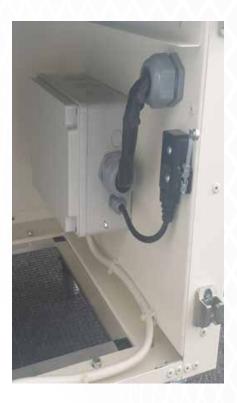


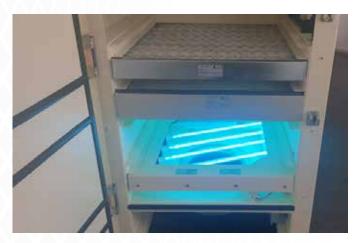
PRODUCT PHOTOS





















SAFETY

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

AIR CLEANER-L		
575*485*1300 mm		
360 Watt		
300 m ²		
230V / 50Hz		
99,90%		
900 m ³ /h		
110 Kgs		
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.

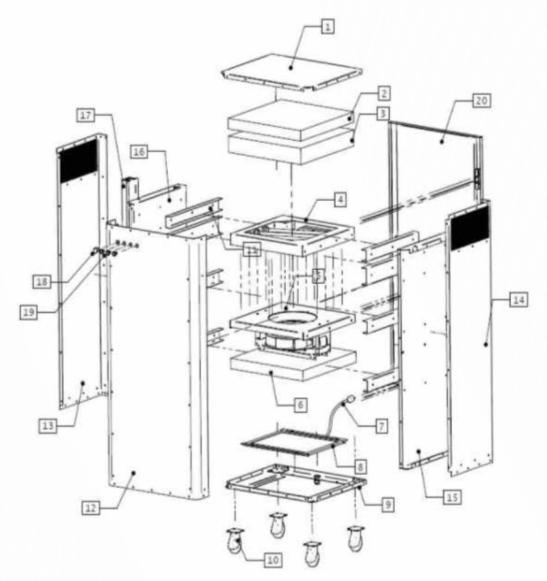
It should be stored in an environment free from corrosive effects under suitable weather and environmental conditions.

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

- 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.
- 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
- 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 stenches 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 stenches 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.
- 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.

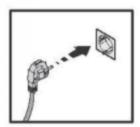
For service contact



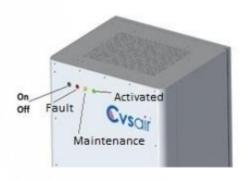
servis@cvsair.com.tr Tel: +90 216 417 12 48



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.

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

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PRODUCT SITE PHOTOS







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AIRCLEANER











Virus

Bakteria

carine

Smoke

Pollen