venfilter

VEN AIR purifiers

MIA AIR PLUS

Clean air, pure air, healthy air

WHAT THE EYE DOES NOT SEE

WHAT IS IN THE AIR THAT WE BREATHE?

We are in a room; we move our arms and millions of particles that we cannot see move around us.

If we look through a light source, we can see tiny dust particles that are otherwise invisible to us.

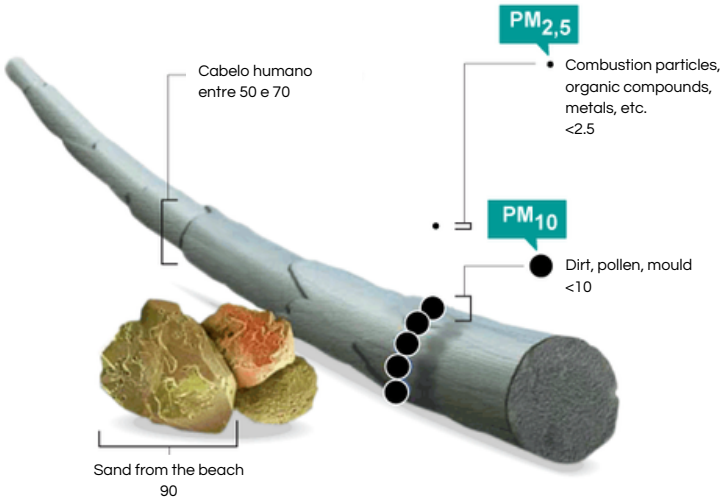
These particles and other smaller ones can pose a serious risk to human health and are transported in the air we breathe without the human eye being able to perceive them.

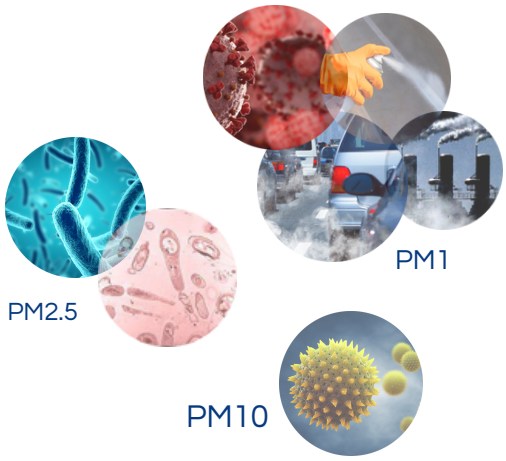
The human eye can only see particles larger than 10 microns.

Coarse particles PM10: Less than 10 microns in diameter
Fine particles PM2.5: Less than 2.5 microns in diameter
Ultrafine particles PM1: Up to 1 micron in diameter

These particles enter the interior of our buildings
through windows, doors, ventilation systems, and we can even carry them ourselves, creating much higher pollution than outside in these closed spaces.

DIAMETER COMPARISONS
In microns (thousandths of a millimetre)





Source: EPA 2010, Our Nation's Air-System and trends though 2008. EPA Report 454 / R-09-002

To form an idea of what this means, a human hair, for example, has a size ranging from 50 to 70 microns or fine beach sand that has a size of 90 microns, hence those millions of particles that the air transports can only be seen with electronic microscopes.

Watch this video to find out more

HOW MUCH DO WE BREATHE?

HOW DOES THIS AFFECT OUR HEALTH?

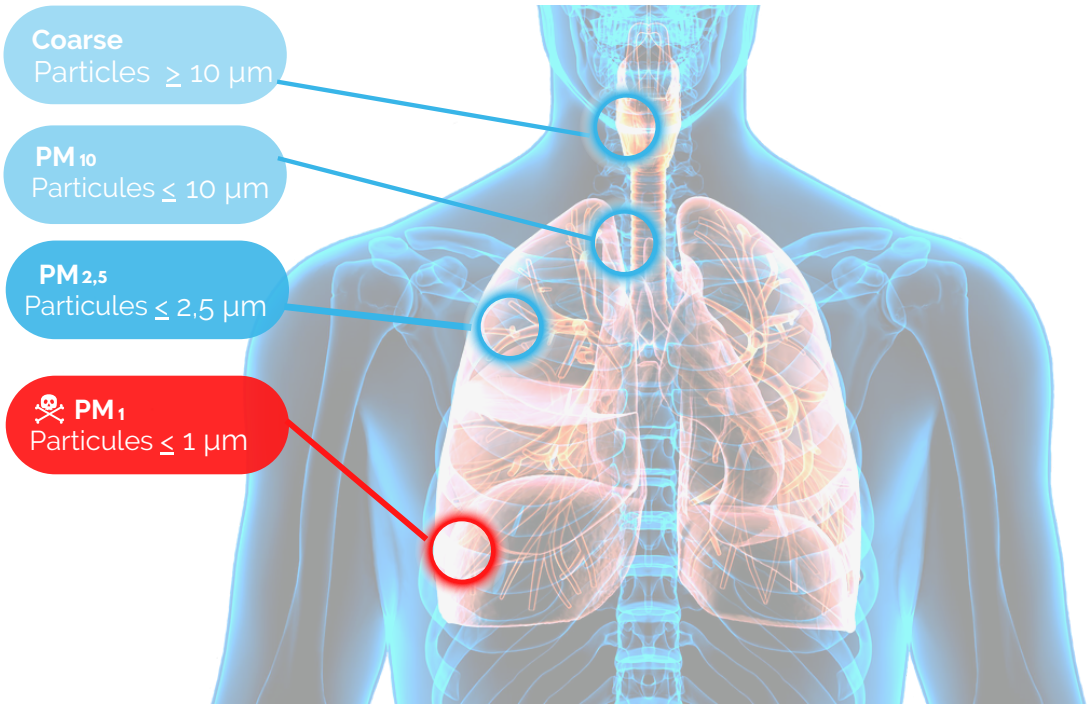
We drink 2 litres of water a day, we eat between 1 and 2 kilos of food, but do we know how much we breathe?

WE BREATHE 15 KG OF AIR A DAY

15 kg of air loaded with particles that contain a mixture of solids, liquids and gases.

Particles of different sizes and VOCs (Volatile Organic Compounds) are inhaled and enter our lungs and go into the bloodstream, seriously affecting the lungs and the heart.

The most harmful particles for health are those under 2.5 microns, those under 1 micron being highly dangerous.



Depending on exposure time, these particles can cause various diseases: acute bronchitis, increased asthma attacks, cancer, heart attacks, cardiovascular diseases, etc.

Every day our body is exposed to the inhalation of these polluting particles that put human health at serious risk: pollen, fungi, bacteria, viruses, nano viruses, ozone, chemicals and other pollutants that are highly harmful to our health.

Many of these common pollutants in the air are the product of human activity: emissions from furniture, carpets, aerosols, air fresheners, plastics.

Indoor spaces can be up to 5 times more polluted - and we spend 90% of our time indoors! Clean air is therefore crucial for the health of the population, but even more so for the most vulnerable groups such as babies, children or the elderly.

PROTECTION FOR THE AIR THAT WE BREATHE

Why a Purifier?

Every day there is a growing need to provide a quality indoor environment, free of pollutants harmful to health, to protect processes, the environment and, most importantly, HUMAN LIFE.

MIA AIR PLUS Purifiers complement ventilation systems, making it possible to remove Particles and VOCs generated both outside and inside buildings, using its filtration system: PRE-FILTER + CHARCOAL FILTER + HEPA FILTER

Imagine being able to breathe pure air at all times, like the air that nature provided us with thousands of years ago.
Now we have this opportunity at our fingertips, without the need for prior installation.

JUST PLUG IN AND GO!

The MIA AIR PLUS purifier provides you with immediate recirculation of indoor air, converting polluted air into clean air in minutes in a space of up to 100 m2.
It collects the air through the side grilles and passes it through the filtration system, eliminating particles, gases and odours and returning clean air back to the room in all directions.
Awareness of the importance of Indoor Air Quality (IAC) is clearly growing and it is scientifically proven that indoor air quality is directly related to the increase in diseases such as asthma, lung cancer, cardiovascular diseases, etc.

Specially designed for offices, shops, gyms, schools, museums, medical and dental clinics, homes for the elderly, and others. Its size, exterior design and ease of use and maintenance make MIA AIR PLUS the perfect addition to our interior spaces by giving them that healthy air quality that we all need to maintain our health.

You can use its app - from your mobile or any other device - to operate the unit, turn it on / off, set its intensity. It will provide you at all times with readings of particles and VOCs. It self-regulates in automatic mode to provide the room with maximum air quality, and it supplies you with other data such as Temperature, Humidity and CO2.

venfilter

THE INTERIOR THAT PRODUCES MAGIC

It is the inside of MIA AIR PLUS that does the magic of converting polluted air into clean and healthy air.

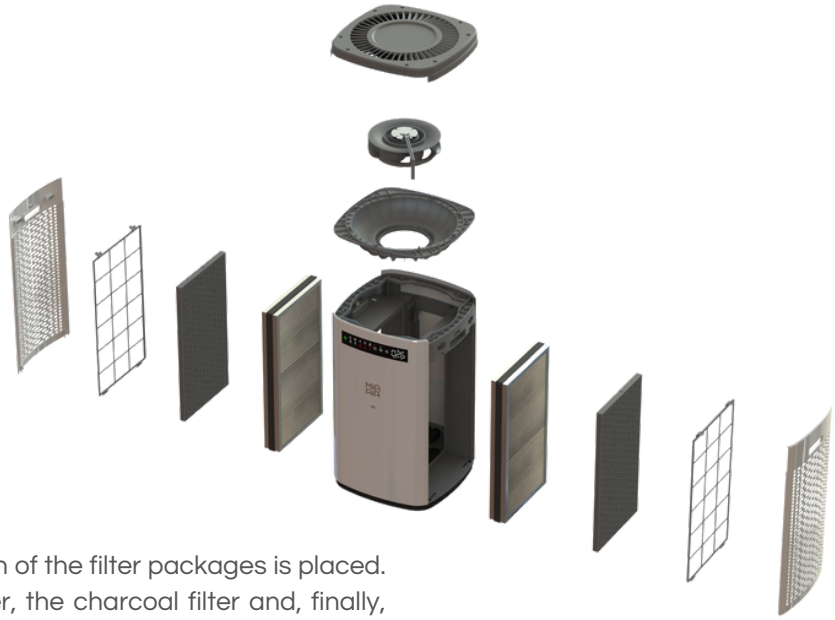
The interior is provided with two filter packages on the sides made up of:

PRE-FILTER: Filters the coarsest particles.

CHARCOAL FILTER: Captures chemical pollutants (VOCs) suspended in the air, greatly reducing the risk of developing health problems caused by pollution.

HEPA FILTER: Cleanroom Filter that traps 99.995% of fine particles less than 0.3 microns (including microbes, bacteria, viruses and nano viruses), thus preventing their spread in the air.

The filter is impregnated with the ANTIMIC solution that traps the microorganisms and neutralizes them, so that they cannot create colonies inside the unit.



How does it work?

The air enters through the sides where each of the filter packages is placed. As the air passes first through the pre-filter, the charcoal filter and, finally, the HEPA filter, in a matter of seconds it is totally free of particles and pollutants, then the powerful fan on the top starts to operate, which returns the clean and healthy air to the space, with circular distribution to ensure 360° coverage.

App

Use its powerful app to set the time and data remotely. You can use your mobile or any other device to turn on the unit, wherever you are, in both automatic and turbo mode.

Thanks to the internal sensors that the equipment is fitted with, the application immediately provides you the following measurements:

PM Particles, PM2.5 Particles, VOCs, CO2, Humidity and Temperature, Filter Life Time.

WHERE SHOULD THE MIA AIR PLUS BE INSTALLED?

Ideal for improving indoor air quality in any space

The features of air conditioning systems, even if they are properly designed, do not guarantee purified indoor air where nowadays it is needed.

The MIA AIR PLUS air purifier is the ideal addition - it provides clean air free of particles that are harmful to our health and that can be produced both outside and inside all these spaces.

Unfortunately, every day we are exposed to increasing numbers of pollutants, many produced by those objects that surround us and by our own activity, which is why today, more than ever, we need to protect ourselves from pollutants, allergens and microorganisms that are a serious risk to human health.

Ideal for schools, dentists, waiting rooms, shops, gyms and much more.

MIA AIR PLUS

CLEAN AIR, PURE AIR, HEALTHY AIR

MIA AIR PLUS provides clean, healthy air in seconds, without the use of chemicals that can seriously damage our health.

You will be able to assure your customers, students, patients, users, friends, and workers that they are breathing air free of nano-viruses, viruses, bacteria and harmful pollutants thanks to equipment that filters and purifies the air without using any chemicals, which makes it the healthiest air possible.

That is why it is also perfect for hairdressers, homes for the elderly, hotels, restaurants, clinics, museums, etc.

Click on the video to find out more about MIA AIR PLUS

TECHNICAL SPECIFICATIONS

Improving the filtration of the equipment is possible within certain limits, since if we replace pre-filters with HEPA filters the equipment is unlikely to work and may generate breakdowns and a significant increase in energy consumption.

It is possible to upgrade from an M6 to a F9 (according to the new ISO16890 standard, PM10, PM2.5 and PM1 particles) or from a G2 to a G4 (according to the new Coarse PM standard), although energy consumption will increase and the filters will not last as long, but we do not recommend upgrades beyond these changes.

The only way would be to add the filters with an additional drive system which is not easy and can be very expensive.

We offer the option of a Purification System fitted with an Absolute Antibacterial Filter.

Features

Model: MIA AIR PLUS

Range: Purificateurs VEN AIR

Voltage: 230 VAC, 50/60 Hz.
Power consumption: 25-105W.
Measurements: 66x38x38 cm.
Weight: 16/18 Kg.
Air volume: 160 to 900 m3/h with 6 speeds.
Renewal: For 50m2, the air will be renewed a minimum of 6 times per hour.
For 100m2, the air will be renewed a minimum of 3 times per hour.
Sound level: <60 dB.
Operation: Remote by Mobile App.
Sensors: VOC, PM 1, PM2.5, PM 10, CO2, Temperature and Humidity.
Colours: White or Space Grey
Optional UV lamp

Filtration

PRE-FILTER + CHARCOAL FILTER + HEPA ANTIMIC FILTER (2 packs per unit)

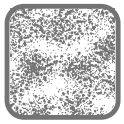
Type	Measurements in mm	MPPS efficiency	EN 1822 class	Treatment*
HEPA FILTER	260x495x60	≥ 99.995%	H14	ANTIMIIC

* ANTIMIC: Anti-microbe, viricide and fungicide coating

Type	Measurements in mm	VOC efficiency
CHARCOAL FILTER	260x495x618	Benzene, Formaldehyde, Ozone, Toluene, Xylene, Ethyl Alcohol, etc.

A NEW TECHNOLOGY FOR CLEAN AIR

Effective filtration

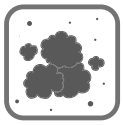

Air dust

Pollen

Allergens

Pet dandruff

Chemical vapour
(Volatile Organic Compounds)


Smoking odours

Microorganisms

Microorganism elimination rate within the first hour of contact 99.98% * with ANTIMIC-coated HEPA filters.

* AATCC Test method 100-2004, % reduction of Legionella Pneumophila, Sabanci University, 2012

ECARF

Allergy-friendly Quality Tested
ECARF
www.ecarf-label.org
European Centre for Allergy Research Foundation

The fact that our MIA AIR PLUS purifiers are certified by ECARF means that they can help protect you from any allergies that affect your health. These certified products significantly reduce the concentrations of allergens such as pollen, mould or dust, among other particles that are harmful to our health.

At Venfilter we achieve this with HEPA filtration and molecular filtration.

Sustainability

MIA AIR PLUS is energy efficient and eco-friendly. Thanks to its antiallergic structure, it provides fresh air at a maximum level.

MIA AIR PLUS is EC certified, designed for the safety of all age groups, and has a fireproof ABS body structure.

USABILITY FRIENDLY

Easy to move

It has hidden wheels, so it is easy to move from one room to another.

UV lamp

An optional add-on to add to your MIA AIR PLUS purifier

Maintains the minimum level by eliminating microparticles that can cause airborne diseases by working at specified intervals. The indicator light will turn on while the UV lamp is working

⚠ UV lamp rays are dangerous to eyes and skin

Front display

MIA AIR PLUS has a touch screen for fast and easy access to all the necessary information about the room we are in.

This screen shows the standard ON/OFF controls, WIFI, purifier positions, etc. But there are also new controls, such as an Air Quality indicator.

Control of positions

It has five different positions that you can set based on your needs at all times: Silent Position, Turbo Position, Economy Position, Automatic Position, Manual Position

Filter change indicator

A light on your display will be switched on when the filters need to be replaced

UV lamp

WIFI indicator

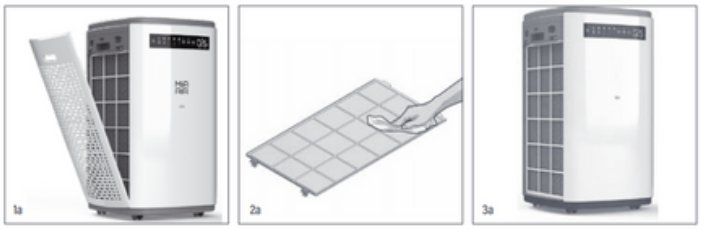
Air Quality Indicator (AQI)

This indicator can be set in three different positions:

AQI: Reports the air pollution in the environment and the air quality index.
VOC: Shows the VOC value in the environment as ppbx10.
PM2,5: Value of PM2 particles in the environment.

Filter change

Changing the filters is very easy:
- Remove the side grilles
- Apply slight pressure to remove the used filters and install the new ones.
- The side grilles are put back in place and it is ready for operation again.



Maintenance of this unit has never been easier, with its simple, quick, and comfortable filter change process.

Mobile App

No need for installation, all you need is a power outlet. Use the Mobile App to operate the device and its surrounding conditions at all times, from anywhere.

Easy to install app, with just one screen, providing instant, real-time information on air quality, filter life and access to all device-related parameters.

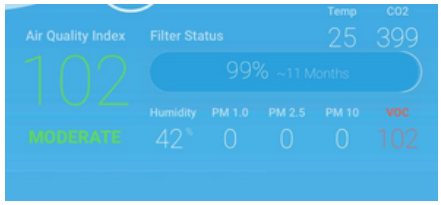
Available on the App Store

GET IT ON Google Play

Data displayed

Air Quality Indicator (AQI)
PM1, PM2.5, and PM10 particle counter
VOC particles counter
Information on Temperature, Relative Humidity and CO2 levels.
Status and Life Cycle of the filter.

Access to the different operating modes of the device: Silent, Turbo, Auto, Eco and Manual.



IMPROVING THE QUALITY OF THE AIR YOU BREATHE DEPENDS ONLY ON YOU

Effective against allergies
Eco – friendly
Easy to use
EC certified
ECARF certified

Air quality detection system.
Filtration > 99.995% of pollutants in the air
No ozone
Mobile App
Allergy-friendly

Allergy-friendly Quality Tested ECARF

venfilter

venfilter

More than 30 years manufacturing filtration solutions, putting our experience at the service of protecting people, processes, and the environment.

Since 1992, taking care of the air you breathe

CONTACT US

+34 628 600 590

www.venfilter.com

vdupont@venfilter.com

@venfilter

VENFILTER