

NETCO®

Niveus

PROFESSIONAL AIR PURIFIER



NIVEUS.NETCOSRL.COM

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NETCO®

Niveus

PROFESSIONAL AIR PURIFIER

Company

History

NETCO is part of RUPES group, an Italian multinational company specialised in the industrial market since 1947. In the 1980s the company intensified research into the mechanical filtration of harmful micro-dusts generated during industrial processing processes. Given the importance and growth of this sector, NETCO was set up in 2003, to extend research into micro-dusts, together with its team of engineers specialised in the sector.

What we do

NETCO is the Italian company (**Made in Italy**) specialised in the development, design and production of professional vacuum systems for the **removal of harmful micro-dusts** generated by industrial manufacturing and processes in order to protect the health and safety of persons and to create a healthy and clean environment.

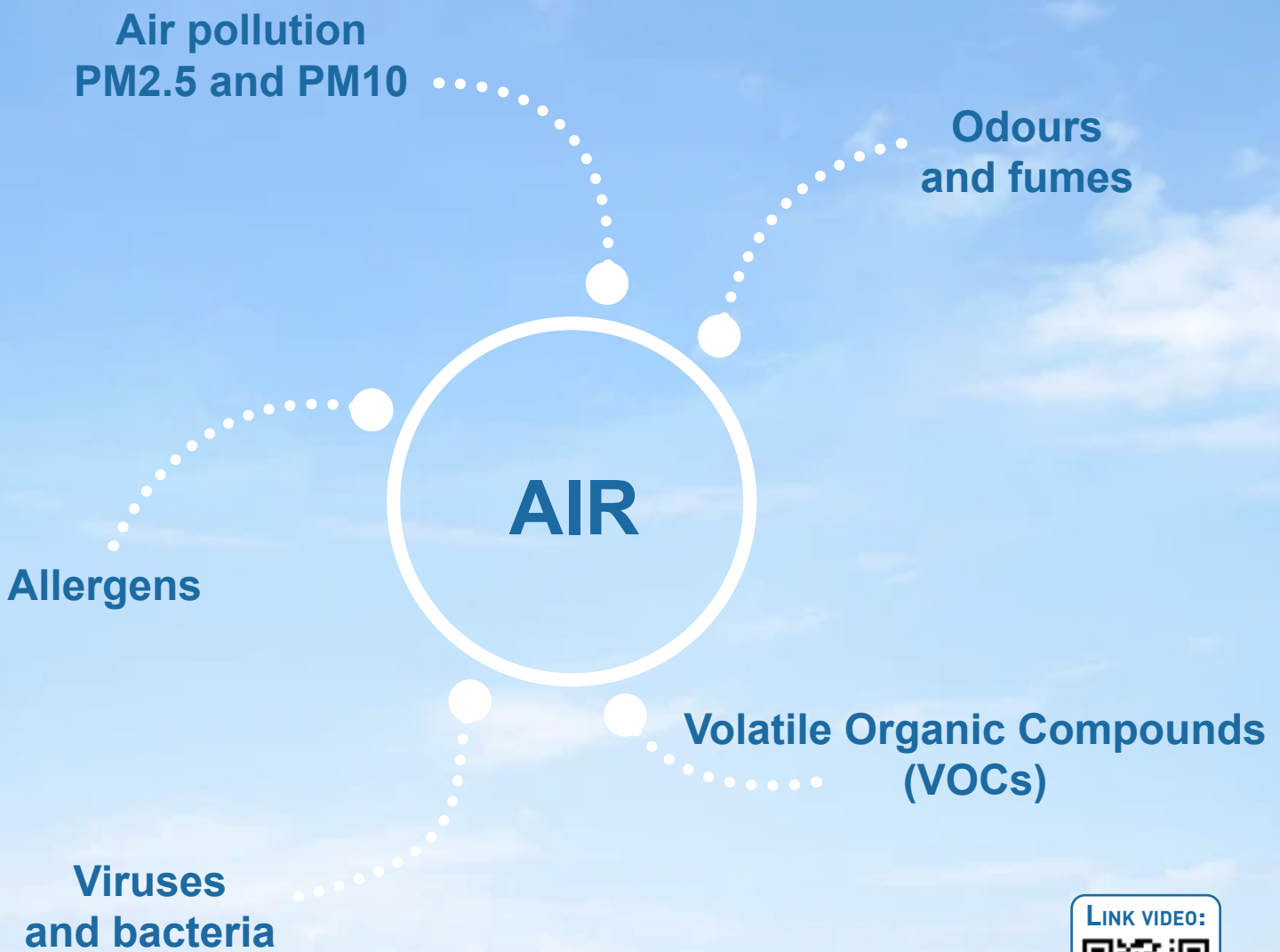
Mission

Our goal is to remove harmful micro-dust (0.01 Micron) in industrial and professional environments to protect people's health and to achieve optimum air quality.



Pollution and air quality

A human being on average breathes in around **12,000-15,000** litres of air every day. **The air we breathe today is not clean.** In fact more than 90% of the world's population breathes in polluted air that exceeds the limit values established by the World Health Organization (WHO) of **15 micrograms of PM 2.5** per cubic meter. The main micro polluting particles of the air we breathe are:



Air pollution - PM2.5 and PM10

Air pollution is the set of all physical, chemical and biological agents that modify the natural characteristics of the Earth's atmosphere, worsening the quality of the air we breathe.

The effects on human health due to poor air quality mainly involve the respiratory system and the cardiovascular system. Indoor air pollution and poor urban air quality (generated by industry, agriculture, heating, fires, transport, waste, etc.) are listed as being two of the worst toxic pollution problems in the world. Overall, air pollution kills around 7 million persons worldwide each year and is the world's largest environmental health risk.

Productivity losses and degraded quality of life caused by air pollution are estimated to cost the world economy € 50 trillion per year.

In 2000, the **WHO** (World Health Organization), in the document "**The Right to Healthy Indoor Air**", expressly recognised well-being and clean, healthy and filtered indoor air as a fundamental human right. The **WHO** has imposed a limit value for health of **15 micrograms of PM2.5 per cubic meter** but in more than 90% of countries this threshold is not met.



Allergens

Air allergens are substances in the air that can cause allergic reactions in some people. These substances are usually small solid or liquid particles that can be inhaled or come into contact with the skin or mucous membranes of the body. Air allergens can come from different sources, including **pollen, dust, mould, animal hair, insects, air pollutant particles, and other chemicals**.

The size of air allergens varies greatly depending on their origin. For example, pollens can be very small, with **sizes in the order of 1 micron** (1 micron = 1 thousandth of a millimetre). The size of allergens is important because they affect their ability to penetrate the airways and cause allergic reactions. Smaller particles tend to reach the deeper parts of the lungs, where they can cause more serious breathing problems, such as asthma. In addition, **smaller particles can remain suspended in the air** for longer periods and can travel for greater distances, increasing their diffusion into the environment and the likelihood of human exposure.

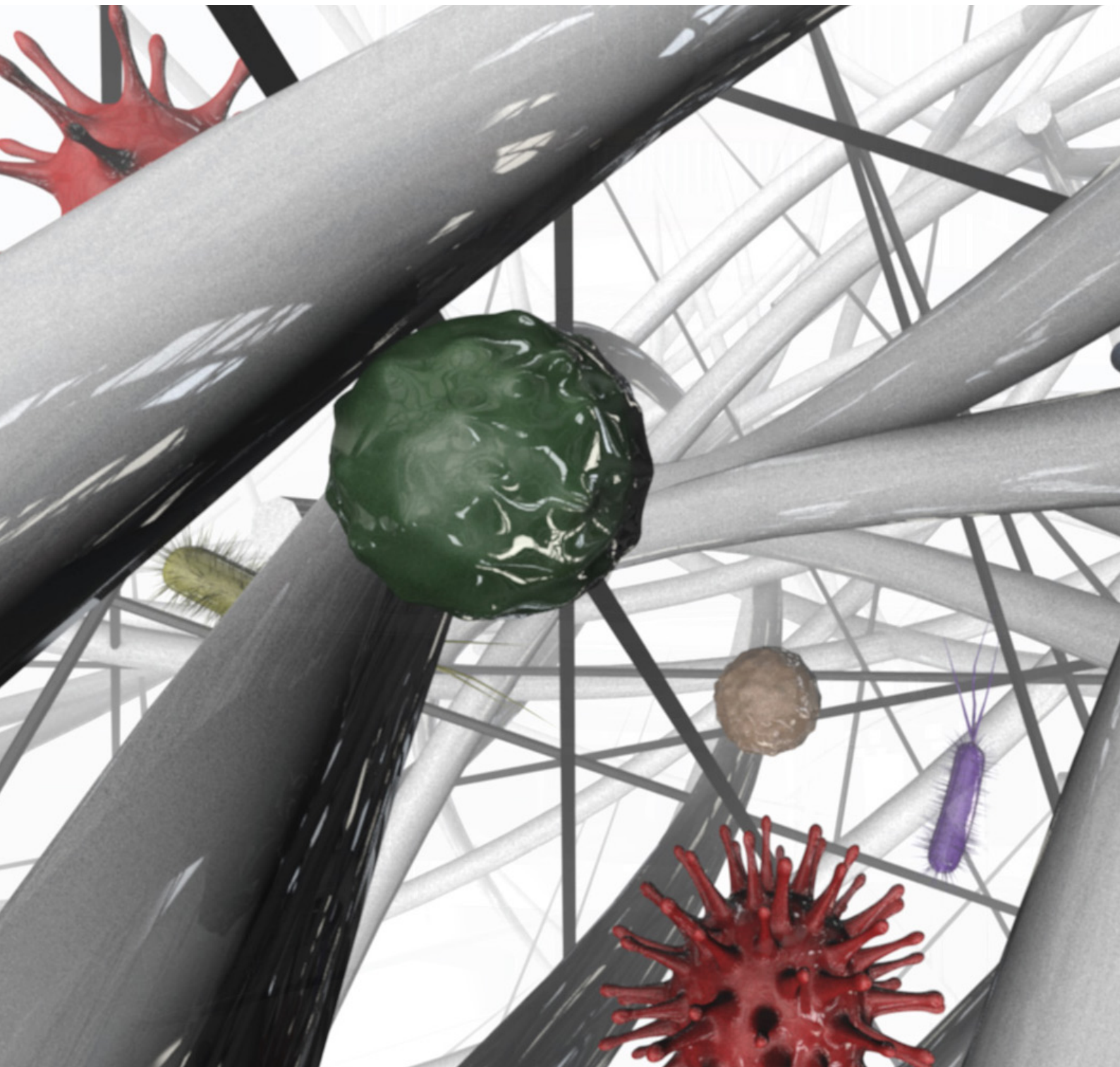
Allergies represent some of the most common diseases in the Western world. Up to **20% of the world's population** suffers from type I allergies, approximately **1.3 billion people**. Distribution varies above all in industrialised countries.



Viruses and bacteria

There are many diseases that can be transmitted by air: the Sars-Cov-2 virus, influenza and other viral infections such as mumps and rubella, meningitis and some serious bacterial infections of the airways including whooping cough, pharyngitis and pneumonia. Around 10/15% of the world's population is affected by influenza alone. According to data from the **WHO** (World Health Organization), 3 to 5 million severe cases and around 500,000 deaths occur every year in the world.

The Niveus professional purifier has been subjected to numerous efficacy tests against Bacteria and Viruses. It has also been specially tested against **Sars-Cov-2 Virus** by a major international laboratory and in all cases the removal results were higher than **99.9%**.



Odours and fumes

Unpleasant odours, smog and smoke contribute to worsening the quality of the air we breathe and can be generated by a variety of factors: landfills, sewers, fires, tobacco, industrial emissions, transportation and agriculture are just some of them. The Niueus range, in addition to the ULPA primary filter, is equipped with **Active Carbon secondary filters (from 1 to 5 square meters)**, to remove unpleasant odours and fumes more quickly.

Volatile Organic Compounds - VOCs

Volatile organic compounds (**VOCs**) are a class of chemical compounds that contain carbon and hydrogen atoms and have a low boiling temperature, meaning they evaporate easily at room temperature.

VOCs are generated from numerous sources, including:

Human activity: VOCs are emitted from personal care products, paints, cleaning products, household products and perfumes.

Industrial activity: many industrial activities emit VOCs, including chemical production, electricity production and oil refineries.

Natural activities: VOCs are also produced by natural processes, such as the decomposition of organic material, emissions from plants and emissions from animals.

Some examples of VOCs include benzene, **methane, formaldehyde, toluene and chloromethane**. Many of these compounds are **toxic to human health** and to the environment so it is important to limit their emission and contact with them.



Air purification

Purifying the air means cleansing it from the micro polluting particles present in the air: **Fine Powders (PM2.5), Allergens, Viruses, Bacteria, Smokes, Odours, Volatile Organic Compounds (VOCs).**

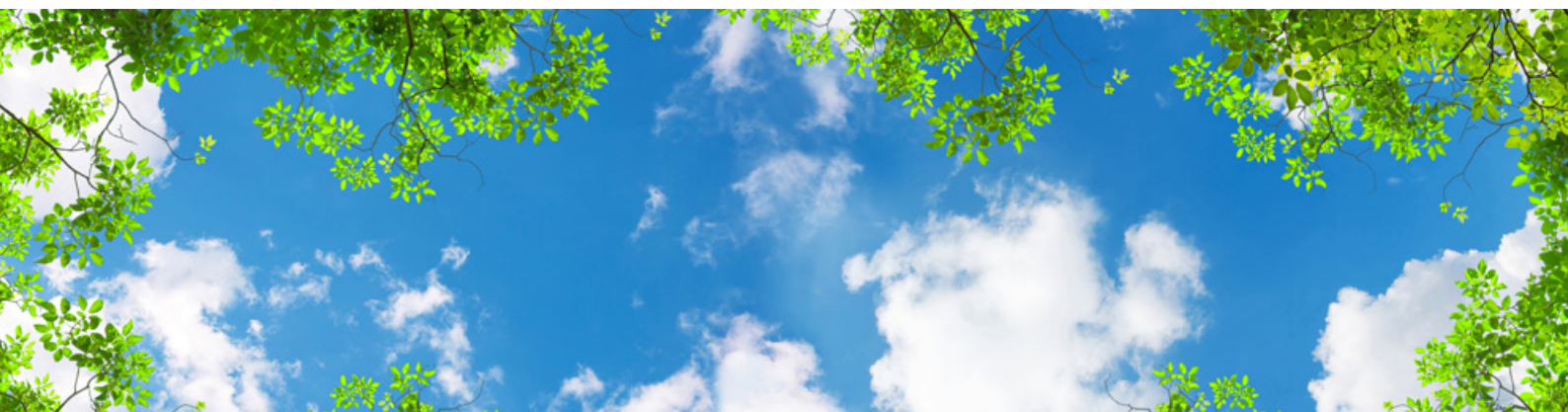
Air quality can be measured through specific instruments and sensors and a professional purifier, located in an indoor room, must be able to give **concrete and measurable results** of the improvement of air quality and to cleanse the entire spectrum of micro polluting particles present in the room.

With regard to air purification, worldwide, the most effective and recognised technology ever (American, European and Australian regulations) is the “**Mechanical Filtration**” technology, i.e. the harmful micro particles present in the air are captured by filters consisting of **multi-layer filter fabrics** whose levels of efficiency and filtration quality are regulated by the international classification of high efficiency **HEPA** (Hi Efficiency Particulate Air) filters.

The undoubted **advantage of mechanical filtration technology**, compared to other technologies, is that they are able to purify the air from **the whole spectrum of harmful micro particles** (PM, Bacteria, Viruses, Allergens, VOCs, Fumes, Odours), capturing them and filtering them, in order to purify the air from all types of polluting particles. Instead the other technologies (Ions, UVC, Ozone) **do not purify the air** because they do not act by removing particles and organisms, but are limited to altering and modifying their composition and state, without guaranteeing complete cleansing and removal from the air of fine powders, allergens, fumes, odours and VOCs.

Another important advantage of mechanical filtration purifiers is that they do not release any chemical agents that are harmful to humans (e.g. ozone/UVC), and can therefore be used constantly in the presence of people.

Furthermore, mechanical filtration purification gives **concrete and measurable results** (with professional tools) of **improving of the air quality** of an indoor environment.



Niveus professional purifier range

NV and NVi models

- Professional air purifiers from 300 to 1200 m³/h
- For environments from 10 sq.m. up to unlimited sq.m.
- Plug and play installation
- LED lighting design
- Swivel wheels for easy positioning in the various rooms
- Extremely quiet
- Very low power consumption (88/160 Watt max.)
- Digital motor (40,000 working hours/10 years of use)

Smart technology Gamma 4.0 - Air quality control and monitoring

- Smart 4.3-inch display, with professional CO2 and PM 2.5 sensors
- Wi-Fi connection for remote data control
- Constant remote control and monitoring of air quality values
- Data history
- Performance tuning for optimised purification



NV model range

NV 50 Model



TECHNICAL DATA

Mains voltage [V]	220-240
Network Frequency [Hz]	50/60
Rated power [W]	88
Maximum room area [m ²]	90
Maximum air flow rate [m ³ /h]	300
Primary filter filtering surface [m ²]	4
Degree of filtration of primary filter material *	ULPA U15
Activated carbon filter filtering surface [m ²]	4
Sound pressure level [dB(A)]	Min.19 - Max 45
Dimensions [L x W x H] - [cm]	31 x 31 x 69
Weight [kg]	22

*Filtration degree of filtering material according to the EN1822 -1 regulation

NV 100 Model



TECHNICAL DATA

Mains voltage [V]	220-240
Network Frequency [Hz]	50/60
Rated power [W]	88
Maximum room area [m ²]	120
Maximum air flow rate [m ³ /h]	350
Primary filter filtering surface [m ²]	8
Degree of filtration of primary filter material *	ULPA U15
Activated carbon filter filtering surface [m ²]	1
Sound pressure level [dB(A)]	Min.29 - Max 45
Dimensions [L x W x H] - [cm]	41 x 41 x 81
Weight [kg]	32

*Filtration degree of filtering material according to the EN1822 -1 regulation



NV 150 Model

TECHNICAL DATA

Mains voltage [V]	220-240
Network Frequency [Hz]	50/60
Rated power [W]	88
Maximum room area [m ²]	150
Maximum air flow rate [m ³ /h]	500
Primary filter filtering surface [m ²]	8
Degree of filtration of primary filter material *	ULPA U15
Activated carbon filter filtering surface [m ²]	2
Sound pressure level [dB(A)]	Min.29 - Max 43
Dimensions [L x W x H] - [cm]	41 x 41 x 110
Weight [kg]	43

*Filtration degree of filtering material according to the EN1822 -1 regulation



NV 200 Model

TECHNICAL DATA

Mains voltage [V]	220-240
Network Frequency [Hz]	50/60
Rated power [W]	160
Maximum room area [m ²]	200
Maximum air flow rate [m ³ /h]	700
Primary filter filtering surface [m ²]	8
Degree of filtration of primary filter material *	ULPA U15
Activated carbon filter filtering surface [m ²]	2
Sound pressure level [dB(A)]	Min.29 - Max 47
Dimensions [L x W x H] - [cm]	41 x 41 x 110
Weight [kg]	44

*Filtration degree of filtering material according to the EN1822 -1 regulation



NV 300 Model

TECHNICAL DATA

Mains voltage [V]	220-240
Network Frequency [Hz]	50/60
Rated power [W]	160
Maximum room area [m ²]	300
Maximum air flow rate [m ³ /h]	1250
Primary filter filtering surface [m ²]	13
Degree of filtration of primary filter material *	ULPA U15
Activated carbon filter filtering surface [m ²]	5
Sound pressure level [dB(A)]	Min.29 - Max 51
Dimensions [L x W x H] - [cm]	55 x 55 x 140
Weight [kg]	69

*Filtration degree of filtering material according to the EN1822 -1 regulation

Gamma 4.0 Smart Technology

NV 50i 4.0 Model



TECHNICAL DATA

Mains voltage [V]	220-240
Network Frequency [Hz]	50/60
Rated power [W]	88
Maximum room area [m ²]	90
Maximum air flow rate [m ³ /h]	300
Primary filter filtering surface [m ²]	4
Degree of filtration of primary filter material *	ULPA U15
Activated carbon filter filtering surface [m ²]	4
Sound pressure level [dB(A)]	Min.19 - Max 45
Dimensions [L x W x H] - [cm]	31 x 31 x 69
Weight [kg]	22

*Filtration degree of filtering material according to the EN1822 -1 regulation



TECHNICAL DATA

Mains voltage [V]	220-240
Network Frequency [Hz]	50/60
Rated power [W]	88
Maximum room area [m ²]	120
Maximum air flow rate [m ³ /h]	350
Primary filter filtering surface [m ²]	8
Degree of filtration of primary filter material *	ULPA U15
Activated carbon filter filtering surface [m ²]	1
Sound pressure level [dB(A)]	Min.29 - Max 45
Dimensions [L x W x H] - [cm]	41 x 41 x 81
Weight [kg]	32

*Filtration degree of filtering material according to the EN1822 -1 regulation



NV 150i 4.0 Model

TECHNICAL DATA

Mains voltage [V]	220-240
Network Frequency [Hz]	50/60
Rated power [W]	88
Maximum room area [m ²]	150
Maximum air flow rate [m ³ /h]	500
Primary filter filtering surface [m ²]	8
Degree of filtration of primary filter material *	ULPA U15
Activated carbon filter filtering surface [m ²]	2
Sound pressure level [dB(A)]	Min.29 - Max 43
Dimensions [L x W x H] - [cm]	41 x 41 x 110
Weight [kg]	43

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Dimensions [L x W x H] - [cm]	55 x 55 x 140
Weight [kg]	69

*Filtration degree of filtering material according to the EN1822 -1 regulation

Smart Display 4.0

The smart NVi range is equipped with a **4.3-inch touch display** and latest generation electronic hardware with integrated professional sensors of **Co2, PM 2.5, humidity, temperature and filter status**. It also has a Wi-Fi connection for the continuous remote monitoring of air quality data.

In fact, it is possible to view the air quality data not only on the Niveus purifier display, but also remotely, via a **portal designed by Netco available to the customer**, which can be easily accessed via smartphone, PC or tablet, wherever you are.

From the portal, the customer can completely manage the purifier remotely and **monitor the quality data of their air** both in real time and in a graphical analysis of the data over time.

Niveus 4.0 is no longer just a product, but also an important service for the customer, for the control and improvement of indoor air quality.



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Niveus Technology



ULPA Certified Filtration

Filtration technology is extremely important in a professional air purifier as it determines the effectiveness of the device in removing particles and pollutants present in the air.

One of the most important strengths of the Niveus range is precisely the filtration technology. Unique in its kind, Niveus differs from the competition because it manages to obtain, with its **ULPA U15** certified filter, efficiencies above **99.9995%** with particles of infinitesimal dimensions of 0.026 Microns (thousandths of a millimetre), one fifth of the single Covid virus. The filtration technology of Niveus can be expressed in 4 main points:

- 1. Multi-layer mechanical filtration technology**
- 2. ULPA Certified Efficiency**
- 3. Sizing of the filter material**
- 4. Tests and certifications**

1. Technology: mechanical filtration technology filters the air, trapping and blocking harmful substances and organisms. The “multi-layer” solution is used to combine in a single filter: very high efficiency, excellent resistance and durability, thanks to an innovative **3-layer fabric** in which the two initial and final layers protect and preserve the central core of the filter at very high efficiency. Mechanical filtration technology is the most recommended one internationally (European, American and Australian regulations) and its level of efficiency is regulated by the international **HEPA** classification. This technology is used, unlike other technologies (UVC, Ozone and Ions), **to purify the air completely** from all types of pollutants and organisms, namely: fine dust, allergens, bacterias and viruses, removing them from the air, in complete safety, and without releasing other substances into the air or creating risks for people.



2. Efficiency: the **ULPA** filtration classification (Ultra Low Particulate Air), is the maximum level of efficiency achievable in mechanical filtration technology. This classification is certified and recognised worldwide (ULPA is in fact the highest grade of the international HEPA classification) and is up to **10/100 times more efficient** than the best known HEPA class. The ULPA U15 grade filters block micro particles with dimensions of **0.026 Microns** (thousandths of a millimetre) with certified efficiency higher than **99.9995%**. Niveus, compared to the competition, is unique in its kind, with a ULPA certified efficiency.

EN1822 Classification

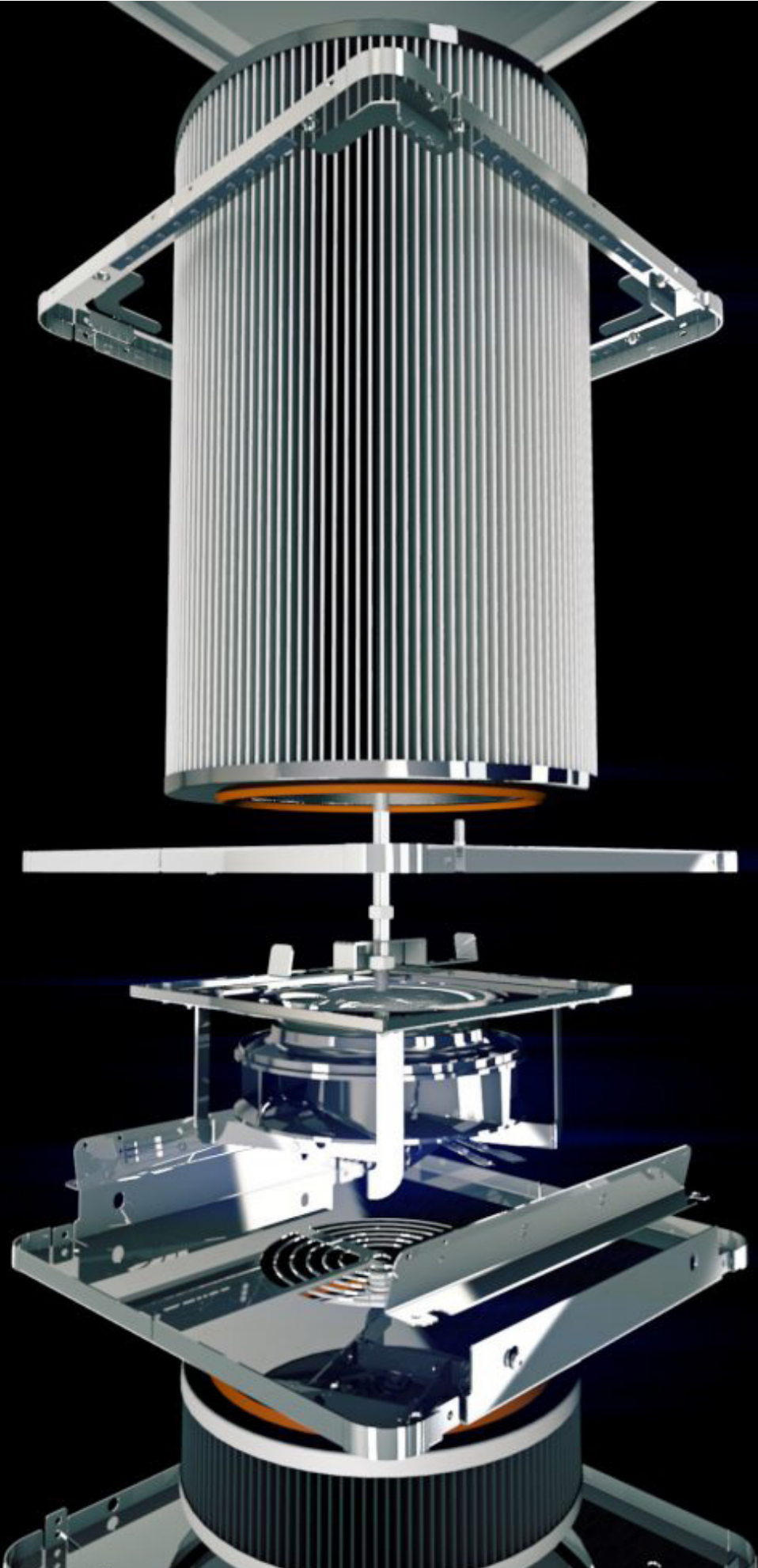
Filter Group	Class	MPPS Integral Values		MPPS Local Values	
		Efficiency (%)	Penetration (%)	Efficiency (%)	Penetration (%)
EPA	E10	85	15	-	-
	E11	95	5	-	-
	E12	99,5	0,5	-	-
HEPA	H13	99,95	0,05	99,75	0,25
	H14	99,995	0,005	99,975	0,025
ULPA	U15	99,9995	0,0005	99,9975	0,0025
	U16	99,99995	0,00005	99,99975	0,00025
	U17	99,999995	0,000005	99,9999	0,0001

3. Sizing: the quality of the filter material (ULPA) determines the extreme filtration efficiency (99.9995%), but the **quantity of material** is also very important for maximum purification efficiency and durability. In the Niveus range of professional purifiers the quantity of filter material is oversized, for maximum efficiency and resistance over time. The Niveus ULPA filters are **very large** (more than twice as large as competing filters), and are built with a high quantity of ULPA filtering fabric (**8 to 13 square meters**). The Niveus purifiers also have **activated carbon secondary filters** (reduction of VOC fumes and odours) whose dimensions vary from 1 to 5 square meters (depending on the models of the Niveus range).

4. Tests and certifications: the quality and efficiency of professional purification can be validated by important international bodies. Filters from the Niveus range have been tested and certified against the main polluting micro-particles (0.1 Micron) including viruses, bacteria and allergens.

In particular, Niveus has been **tested against the Sars-Cov-2 virus with an efficiency result of more than 99.9%**. In addition, it has been certified by the international body ECARF (European Centre for Allergy Research Foundation) and the result of eliminating allergens in the air was greater than 99.999%.

ULPA U15 Filter



Tested Fluid Dynamic Efficiency

Fluid dynamics is the science of fluid mechanics that studies the behaviour of liquids and gases in motion. In an air purifier, it represents the ability of a purifier to generate **volumes and air flows** such as to be able to efficiently and uniformly purify **the entire volume** of an indoor room.

In order to purify the air, a purifier, placed and fixed in a point of an indoor room, must be able to **capture the polluted air in each point of the room itself and carry it to its filter to be purified** and to efficiently emit **the correct volumes of pure air**, instead of the polluted air that is captured and filtered.

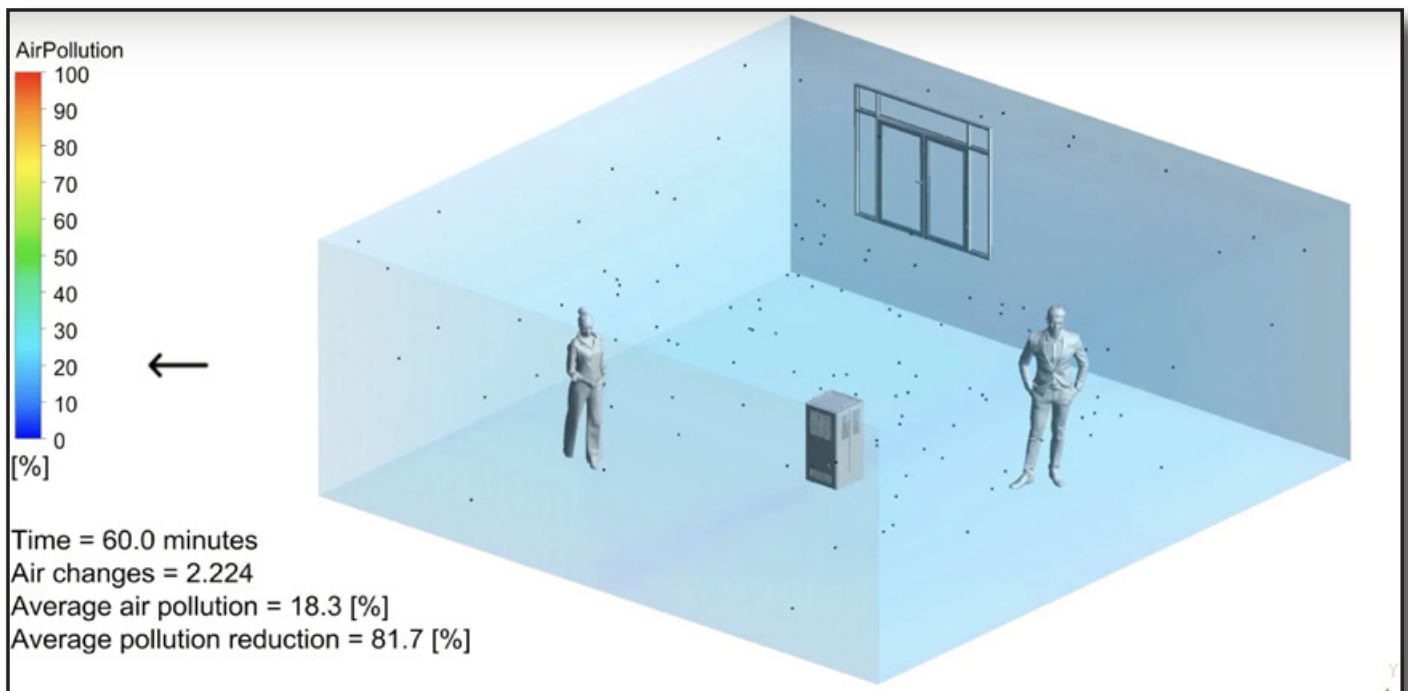
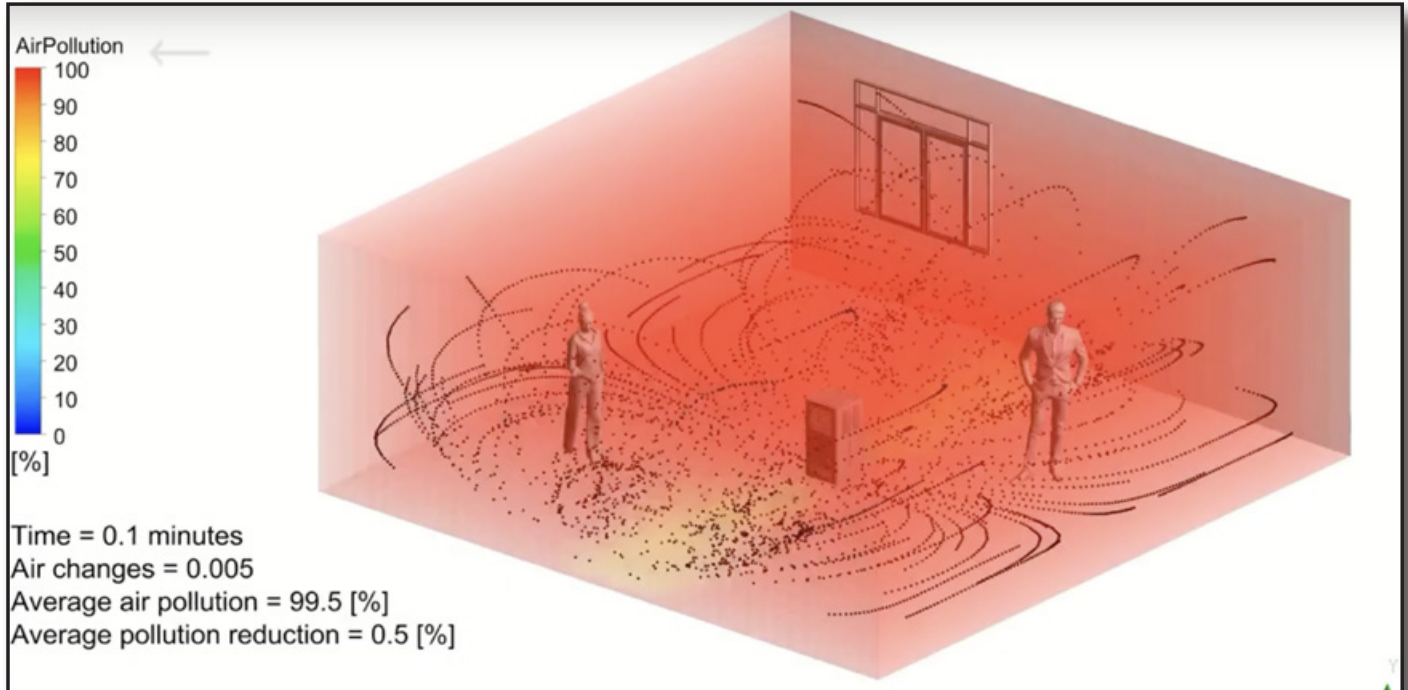
The fluid dynamics in an air purifier are very important and without them a purifier cannot work properly.

The Niveus fluid dynamics have been **tested by specialist laboratories** and allow complete and rapid purification of the air of an indoor environment.



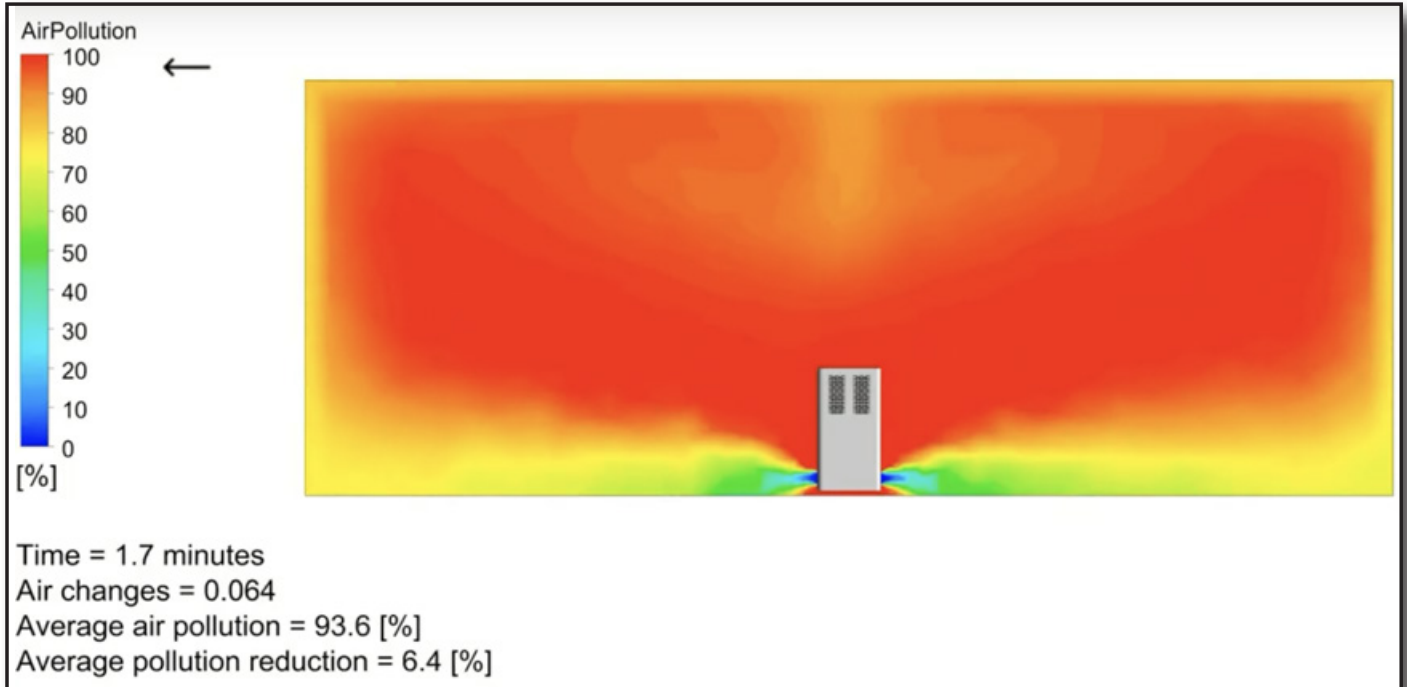
Fluid Dynamic Testing - Purification Efficiency

Reproduction of actual condition of pollution in an indoor environment
Simulation with 0.12 micron particles
(representative size of viruses and bacteria)



Fluid Dynamic Testing - Purification Time

Reproduction of actual condition of pollution in an indoor environment
Simulation with 0.12 micron particles
(representative size of viruses and bacteria)



Measurable results

One of the most important strengths of Niveus is the **filtration efficiency**. With its **ULPA** filter (highest grade of the HEPA classification) Niveus successfully obtains very high filtration efficiencies, i.e. it manages to capture over **99.9995%** of the micro particles of infinitesimal dimensions of 26 nanometers (0.026 microns), a fifth of the single Covid virus. HEPA 14 or 13 filters, generally installed in competing air purifiers, are 10/100 times less efficient than ULPA filters. This extreme filtration capacity of Niveus has been **certified by numerous tests and certifications**.

Thanks to this filtration efficiency, Niveus manages to suction up the polluted air of an indoor room (capturing harmful microparticles) and at the same time to emit **pure air** throughout the volume of the room itself.

The air quality produced by Niveus is pure and free from pollutants (Fine Dusts, Bacteria, Allergens, Viruses, Odours, Smokes, VOCs) and is **perfectly measurable** with professional instruments and sensors.

Niveus is a professional air purifier that gives concrete and measurable results in terms of air quality improvement.



Energy consumption and maintenance

Very Low Energy Consumption

Average Consumption: 30/70 Watt

Maximum Consumption: 88/166Watt

Easy Maintenance

The only maintenance required is the change of filters every 6,000 working hours or 2 years of use.

LINK VIDEO:



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Mobility and ease of use

Niveus is a very simple product to use and **does not require any installation**, only needing to be connected to an electrical outlet, like a normal appliance.

In addition, it is equipped with **swivel wheels** for easy positioning and movement in the various rooms.



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Quietness

The range of Niveus professional purifiers has been designed to be high-performing but also **very quiet**. The average noise values are very low with respect to the safety standards and are between **29dbA and 45dbA**.

It is also possible to adjust the speed and power of the purifier (5 levels from minimum to maximum) in order to obtain the optimal level of silence for each type of indoor environment.



Smart Technology 4.0

Remote control of air quality values

Latest generation product “Smart technology 4.0”, equipped with a **4.3” smart display** with built-in professional sensors of **Co2, pm2.5, humidity, temperature and filter status**. This information makes it possible **to monitor the air quality of an indoor space in real time** and can be used by the purification system to automatically adjust the ventilation speed and the quantity of purified air in order to keep the air always clean and healthy.

The data of one or multiple purifiers can also be viewed via a simple **Netco portal** (with a phone, PC or tablet) that allows the customer to monitor the air quality values of one or more rooms and interact with the functions of the purifier. Niveus 4.0 is no longer just a product, but also an **important service for the customer**, for the control and improvement of indoor air quality.



← Devices

Niveus

 MODEL: Nv200i SERIAL NUMBER: 0007

Status Remote assistance ENABLED FORCE DISABLE

NAME

LOCATION IP Milan, Italy

FIRMWARE v. 14 dv. 6

LAST READ 21 February 2023 12:45

FILTER ● 133 Pa

CO2 ● 572 ppm

PM2.5 ● 7 ug/m3

TEMPERATURE 25 °C

HUMIDITY 32 %

WORKED HOURS 415 h

FILTER HOURS 415 h

TRENDS ALARMS NOTES CONFIG

Historical Trends

Range Last 1 hour

Click and drag the plot area to zoom in Right click to reset

CO2 (ppm)

3D Design

Indoor air purification is a critical activity that requires the correct sizing based on the volumes of air to be purified and the number of people present in the rooms. **Netco engineers**, with extensive experience in the field, provide **customised and complete solutions** for optimal purification.

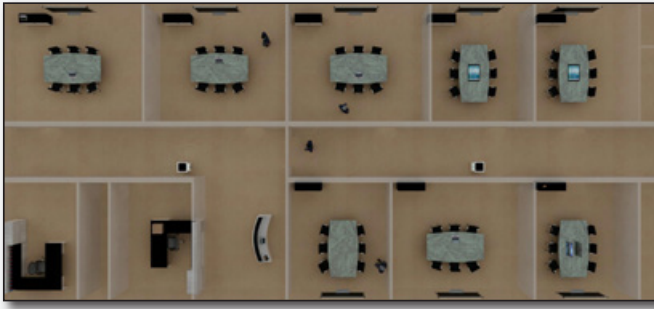
Thanks to their expertise and **technical know-how**, every request is followed step by step to provide a **complete and effective solution**. Netco develops a customised project for each customer, describing the machines and the parts that compose it and their positioning in the space, accompanying everything with technical drawings and 3D rendering images to show the customer how the project will be implemented.

The technical project is very detailed and takes into account several key factors such as:

- Specific assessment of the facility in question
- Spatial and dimensional study
- Total air volume analysis
- Optimal air exchange analysis
- Positioning study for maximum purification effectiveness

Thanks to their attention to detail and expertise, Netco engineers ensure **customised solutions that deliver concrete and measurable results of air quality improvement** in indoor environments.

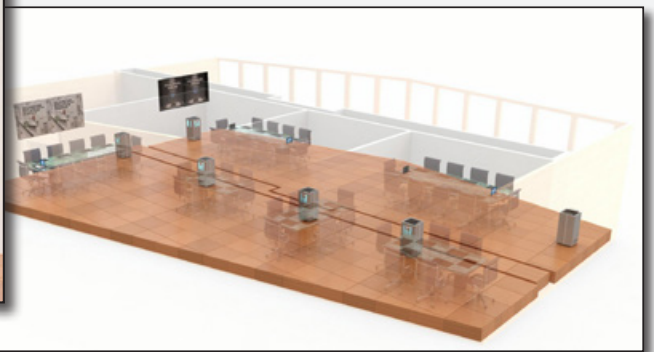




Esercito Italiano



BASE



Avoria



Office
Milan



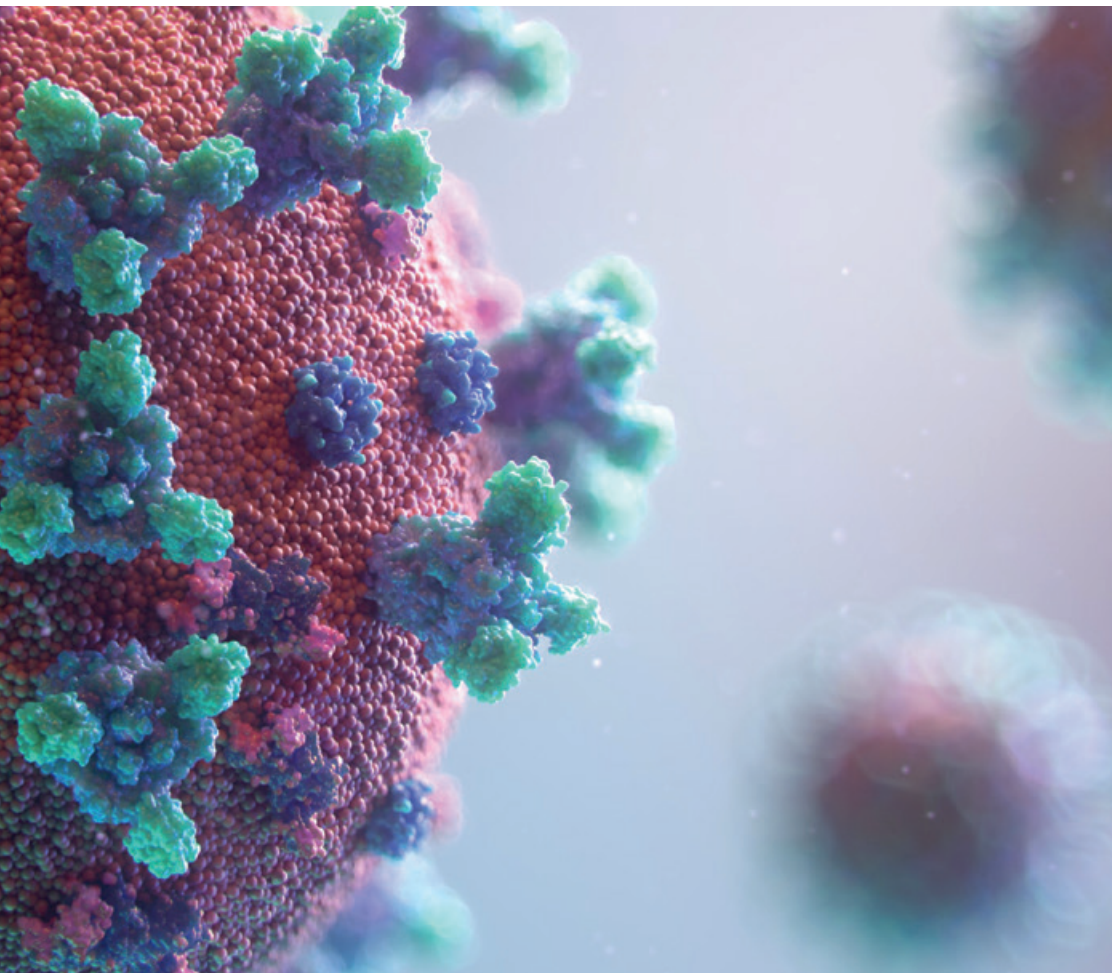
Apartment
Milan

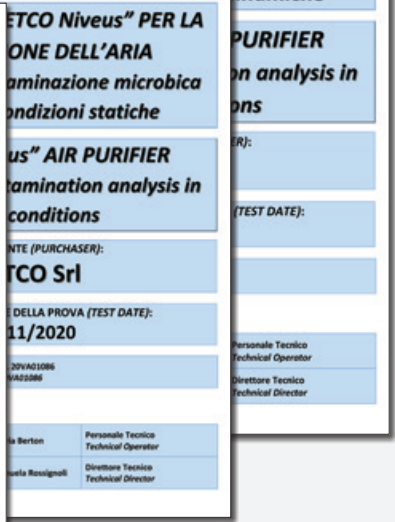
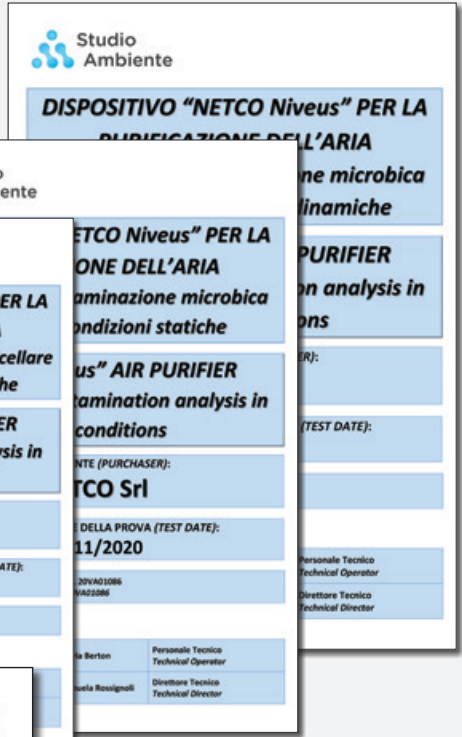


Tests and certifications

Niveus is a multi-certified product, with guarantees of health protection of people and also tested against the Covid-19 virus.

- ISO 9001 quality certificate
- ISO 14001 quality certificate
- Analysis of microbial and bacterial removal in static conditions
- Analysis of microbial and bacterial removal under dynamic conditions
- Microparticle removal analysis under static conditions
- Microparticle removal analysis under dynamic conditions
- Bacterial load removal efficiency test
- ECARF certification - Allergy removal
- SARS-Cov-2 virus filtration efficiency test
- Filter efficiency test according to EN 1822 and ozone-free test
- Electromagnetic compatibility test report
- ULPA U15 filter filtering efficiency test according to EN 1822





IMPEGNO IN QUALITÀ

Verifica dell'efficacia del sistema Niveus NV100 di Netco srl
 Un esemplare del prodotto dell'azienda Netco srl è stato sottoposto ad analisi dalla società di consulenza scientifica GELT International, per la verifica dell'attività di abbattimento della carica microbologica dell'aria.

NIVEUS NV 100

> 99,9% Serratia m
> 99,9% Bacillus s

Gelt International, società di Terza indipendente, un esempio di analisi chimiche e microbiologiche.

Niveus NV 100 è un sistema a U15, una camera contenente

Per testare l'efficacia di riduzione della carica microbologica dell'aria, l'abbattimento percentuale di microrganismi target all'uscita di un esemplare il passaggio attraverso tutti i sistemi di trattamento della macchina. A tal fine si nell'aria in entrata diversi microrganismi rappresentativi dei batteri Gram positivi. Fughe verificazione l'abbattimento in testa.

Risultati
 Il sistema Niveus NV100 di Netco srl è stato testato con 3 diversi microrganismi:

- Serratia marcescens, batterio Gram-negativo.
- Bacillus subtilis, batterio Gram-positivo;
- Cladosporium sphaerospermum, fungo sporigeno.

Dalle prove effettuate sul sistema nella sua interezza, si può concludere il dispositivo Niveus NV100 di Netco si è dimostrato in grado di ridurre la carica microbica dell'aria trattata, con abbattimento superiore al 99,9% di microrganismi testati.

Riduzione carica microbica Niveus NV100
 Percentuale di abbattimento dei microrganismi di test

<https://www.geltinternational.it/index.php/verifica/efficacia-netco>

Certificate

Quality Seal for Allergy-Friendly Products and Services

ECARF Allergy-friendly Quality Tested www.ecarf-siegel.org

Certificate No. 6289

Certified product or service Netco NV100

Certificate holder NETCO srl

Certificate valid from 19.01.2021 (DD.MM.YYYY)

Approved allergy-friendly quality of this product/service is certified by the European Centre for Allergy Research Foundation.

Berlin, 19.01.2021 (DD.MM.YYYY)

Prof. Dr. med. Dr. h.c. Torsten Zuberbier
 Head of ECARF

TEST CON VIRUS SARS-COV-2

Test eseguito presso laboratorio accreditato per verificare l'efficacia di filtrazione con virus SARS-COV-2

TEST CON VIRUS SARS-COV-2

DESCRIZIONE ATTIVITA' DI TEST

Il test è stato eseguito con un aerosolizzatore di aerosol MET ONE GT 5265, con U1 15/96, in una camera di riferimento, un range di grandezze particellari compresa tra 1 µm e 5 µm in forma di aerosol della persona, ad esempio con la funzione:

pericolose perché, dopo l'iniezione, permangono più a lungo nell'aria, inghiottite nel naso all'inalazione, quindi risulta più facile inalare se ci si trova nei pressi di una persona malata in forma di aerosol della persona, ad esempio con la funzione:

Le particelle più grandi (D > 5 µm, quelli comunemente prodotti stannandosi) tendono a cadere al suolo, in base alle loro dimensioni, della velocità alla quale vengono emessi e del flusso d'aria, temperatura e umidità relative) le quali possono anche influenzare l'operazione. Tendendole a cadere comunque al suolo nel raggio di 1-2 metri, se restano nelle vie aeree superiori (naso ed orofaringe). Di seguito i dati ottenuti per le

Grandezze particellari	Filtrazione (%)		
	1 µm	2 µm	5 µm
1 µm	99,9	99,9	99,9
2 µm	99,9	99,9	99,9
5 µm	99,9	99,9	99,9
Media	99,9	99,9	99,9

CONCLUSIONI

Performance Test On a Portable Room Air Cleaner

Model NV100

TEST REPORT NET 201001

Following EN1822-1:2019 EN ISO 29463-5:2018

initiated by NETCO srl

TEST REPORT

CISPR 14-1, CISPR 14-2, IEC 61000-3-2, IEC 61000-3-3
 Household appliances, electrical tools & similar apparatus

Report Reference No.: IT210955-002
 Date of Issue: 2021-02-19
 Total number pages: 53

Name of Testing Laboratory: TÜV Rheinland Italia S.r.l.
 Preparing the Report: Via Mattei, 3 - 20095 Pogliano Milanese - Italy

Applicant's name: NETCO S.r.l.
 Address: Via Danimarca, 15
 2083 Gaggiano (MI) - ITALY

Test specification: CISPR 14-1:2020, CISPR 14-2:2020, IEC 61000-3-2:2018, AMD1:2020, IEC 61000-3-3:2013, AMD1:2017

Test procedure: TÜV Scheme

Non-standard test method: N/A

TRF template used: IEC60335-1:2020/FF:2020, ed. 1.1

Test Report Form No.: IEC60335-1-142_IEC61000_3_2833

Test Report Form(s) Originator: VDE Prüf- und Zertifizierungsinstitut GmbH

Master TRF: 2020-1-16

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 Filter & Aerosol Technology GmbH, Burgunstraße 3, 91036 Marzling, Germany

Performance Test On a Portable Room Air Cleaner

Model NV100

TEST REPORT ECA 201104-RL1

According ECARF Criteria for allergy-friendly Air Purifiers

initiated by ECARF Institute GmbH

fiatec Filter & Aerosol Technology GmbH

Performance Test On a Portable Room Air Cleaner

Model NV100

TEST REPORT NET 200701 - PT1

Following EN1822-1:2019 EN ISO 29463-5:2018

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TEST REPORT NET 200701 - PT1

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NETCO®

Niveus

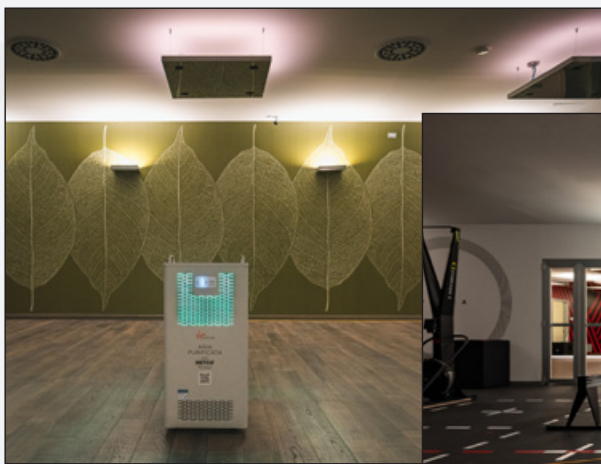
PROFESSIONAL AIR PURIFIER

Installations

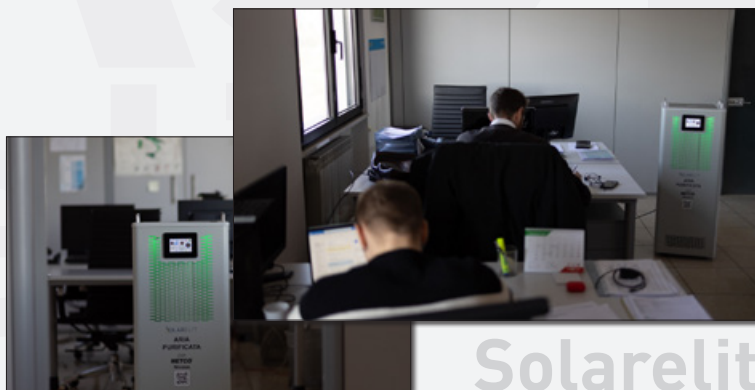
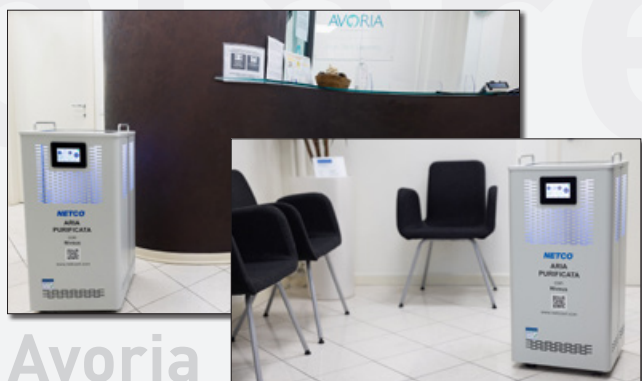
- Fitness - Virgin active
- BASE - Milan
- Solarelit
- Dental polyclinic - Avoria
- Liugi Sacco Hospital - Milan
- Sisal



Virgin active



BASE



Avoria



Sisal

Solarelit



Luigi Sacco Hospital



<https://niveus.netcosrl.com>



Netco S.r.l.

Via Danimarca, 15 - 20083 Gaggiano (MI) – Italy Tel.: +39.02.90841051 - Fax: +39.02.90843929
E-mail: info@netcosrl.it - Web: <https://niveus.netcosrl.com>

