JO**NIX**

pure living

Jonix Catalogue 2022

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01.
Company

Two paths, one search

Like all the most compelling stories, Jonix's also starts before Jonix. In 2011, a couple of years before its foundation, the solution to the same problem was sought in the laboratories of two Italian companies, starting from various perspectives. HiRef, a company specialising in air treatment, needed to develop a sanitisation system for ventilation machines and systems, while at the same time Archa, a certified laboratory in chemical and microbiological analyses, was conducting experiments on an advanced form of ionisation capable of breaking down viruses, pollutants and bacteria, eliminating them from the air and surfaces.

From the meeting of experiences and skills and the sharing of the same objectives and values, **in August 2013 Jonix was set up as an innovative start-up dedicated to the development of technologies and devices to sanitise and make the air and surfaces of the spaces we live in safer, in both professional and domestic settings.**

What was in the air

We understood that it was no longer enough to heat, cool, filter and dehumidify the air: the regulations on the energy efficiency of buildings had created new hygienic requirements for indoor environments. **To safeguard the health and well-being of those who live in professional and domestic indoor spaces, it is essential to improve their air quality.**

We wanted an effective, safe technology compatible with the presence of people and we identified it in **Non Thermal Plasma**, an advanced form of ionisation that a number of world-renowned research universities such as the Massachusetts Institute of Technology were also studying.

In 2014 the first Jonix device was conceived: the Cube, a technological heart in a classy design, because we think that even beauty is a breath of fresh air. Since that time, Jonix has continued to focus exclusively on the production and marketing of cold plasma sanitisation systems (Non Thermal Plasma), exploring all areas of use and technical possibilities.

Concrete responses that exceed expectations

At Jonix we also look beyond the present and are already working to experiment with NTP technology on key areas of the near future: water, biodiversity, energy and resource sustainability. To overcome the challenges, we precede them.

Our values

A business model that seeks to become a corporate model

We wanted to create and share value, which is why **in 2021 we became a benefit company**. At Jonix, this means designing and developing effective and performing systems for a lifestyle that is safe, healthy and respectful of people and of the environment. **The products go hand in hand with the human growth of our company, it is not just a matter of creating devices that are really needed but also of doing it coherently:** our aim is to become a world reference in the sector of sanitation of environments to safeguard everyone's health and personal well-being.

The courage to lead the market

We started from a concrete problem, but whose weight on the quality of life was still underestimated: the healthiness of the air in indoor environments, inside of which there are substances that put our health at risk invisibly and silently.

We were aware that we were ahead of the common sentiment, but this did not stop us: we developed our skills, including them in a process of education about air quality and about the environmental and human impact of air conditioning systems. **Our devices are effective and are elements of a culture of sanitation that we have been promoting for years.**

Close, direct and proud: the production chain that we wanted from the outset

We have chosen to make our products entirely in Italy, carefully selecting our suppliers, so that they are our partners in product development and work harmoniously with us, to give the end user the best result. This is why we look for them, as far as possible, first of all in our territory: we want them close in terms of values and kilometres, to create stable and profitable relationships and to impact on the environment as little as possible, importing from abroad only what is not available on the Italian market, provided it corresponds to our quality criteria. Our suppliers represent the best of the Italian manufacturing identity: they know all the potential of what they produce and how to create with us the most appropriate component for every single development need.

Jonix and the Treedom project

All our products **are designed to last over 5 years** , to ensure reduced management/maintenance costs and low energy absorption.

We also participate in the **Treedom reforestation project** (*treedom.net BCorp certified*) engaging to plant the quantity of trees necessary to compensate for the production of CO_2 generated by our productions.

Jonix Benefit Company

We have chosen to support a responsible business and growth model, aimed at creating shared well-being and **we have enshrined it in our statute, becoming, in 2021, a company benefit,** to amplify the positive impact on the environment, on society and on people, of our actions in terms of solutions, products and values.

We have included in our statute the purposes of common benefit that we intend to pursue through 5 fundamental steps:

- to design and manufacture products and services capable of preventing, reducing and treating the consequences of indoor pollution and improving the environmental impact in general;

- to design projects and implement actions to improve knowledge of the environmental and social impact of individual and collective consumption choices;

- to collaborate with profit and non-profit organisations consistent with our values, amplifying the positive impact of their respective work;

- to create a work environment in which people can find well-being, be valued, grow humanly and professionally, nurturing a sense of respect for the environment and for future and current generations;

- to promote, also through sharing with our partners, the identity and social purpose that contribute to changing people's lifestyles.

We are convinced that companies are not islands, but archipelagos, ecosystems of relationships able to enhance, in every sense, the elements that form part of them, in a continuous exchange of knowledge and resources.

A common ground of values

Practically promoting a culture of sanitation and air quality for us means supporting those who engage with energy, but not just words, in areas that express **values** that are also ours: **sustainability, respect for the life of living beings and the environment, vision and dialogue**.

We are, in fact, convinced that companies are not islands, but archipelagos, ecosystems of relationships able to enhance, in every sense, the elements that are part of them, in a continuous exchange of knowledge and resources.

In particular, in times of crisis **we aim to be present on the territory,** providing our skills, in terms of experience and products. In the spring of 2020, when institutions and people were taken aback by the virulence of Covid-19, we supported and protected the activities of the Civil Protection of our territory by making our devices available. Subsequently, with the reopening of schools, we provided them free of charge with anything necessary for the constant sanitation of the facilities and public buildings of the municipality in which we are based, also guaranteeing optimal conditions for schools in the neighbouring areas. In autumn 2020 we sanitized the Ulss tents in which swabs were being performed

However, we also work beyond emergencies, supporting areas as important to us as culture and art, which must be usable by all in maximum safety, at any time. This is why we contribute, with our technologies and skills, to the hygiene and healthiness of museum exhibition areas in our area: **such as Palazzo Zabarella**, one of the hearts of Paduan art, a treasure trove of culture, with our sanitation systems, so that people can experience beauty in a protected environment and the works of art enjoy the optimal conditions for their preservation.

The beautiful lagoon of Venice is not far from our headquarters and in Venice a project came about in which we wanted to participate because of the satisfaction of doing something concrete. **Plastic Free Venice Lagoon** is a non-profit organisation created to raise public awareness on the impact of plastic waste on the environment and to study possible solutions. For years we have been participating and supporting the **Clean Up Day,** organised thanks to the collaboration with Plastic Free Venice Lagoon and supported by VERITAS, Legambiente, Ocean Space and other local associations. Armed with a net and gloves, we clean the streets and canals of Venice from removable waste and in particular from plastic waste. The initiative, in addition to making a concrete contribution to the well-being of the lagoon ecosystem, enables the overall monitoring of the waste/plastic pollution situation, necessary to activate efficient protection and cleaning plans. **In any case, we do our part, starting from where we are, with what we have.**

Jonix Maps, for a world of safe environments

At Jonix we aim to build, day after day, a world made up of safe spaces, in which to be able to live and work peacefully and which can be entered with confidence even at all those times in which indoor environments are viewed with fear.

To encourage the creation of networks between these safe environments, to invest in people and companies with our same values and to disseminate knowledge on the importance of air quality, we have worked on an interactive tool that we have called Jonix MAPS.

Jonix MAPS is an App with an interactive map that can be consulted from a smartphone that geolocates all the environments treated with our devices: when a person wants to enter a room where the air is being constantly sanitised, they can easily find it in just a few seconds, based on distance or location, or on the type of service being sought.

There are many places (shops, beauty salons, professional studios, offices, medical and veterinary practices, restaurants and bars, hotels and B&Bs) **that have chosen to guarantee their customers a constantly sanitised environment.**

Jonix MAPS answers questions such as "Where can I get my hair cut without being at risk?", "Where can I have lunch or a coffee?", "Where can I spend time without fear?" indicating the activity that meets the customer's search criteria.

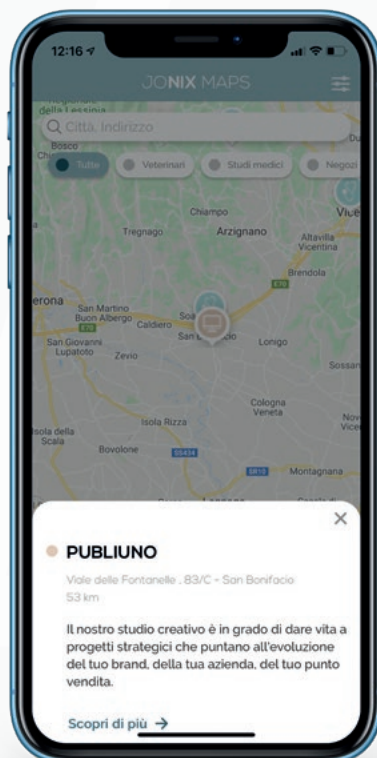**Download the app and find the sanitized environments JONIX**

DISPONIBILE SU
Google Play
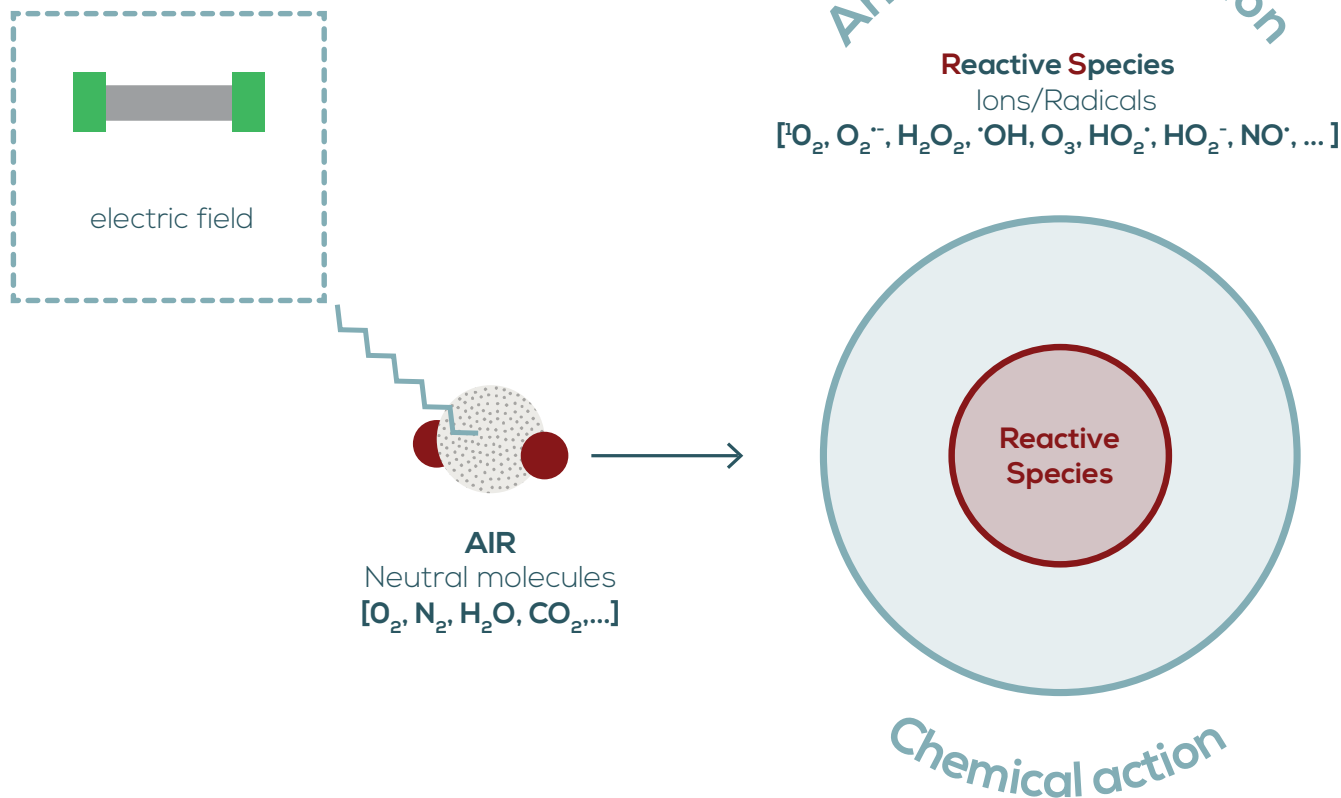
Scarica su
App Store

JO**NIX** MAPS

02.
Technology

NTP technology: a choice of value, effectiveness and sustainability

The heart of our research and product development is Jonix Non Thermal Plasma Technology, an advanced form of ionisation that is safe and effective for the decomposition of pollutants and the sanitisation of environments and surfaces: it is in fact capable of attacking and neutralising living microorganisms (viruses, bacteria, moulds) and polluting chemical molecules (VOC, particulates).

Jonix Non Thermal Plasma is a no touch sanitisation technology that can be used continuously in the home and professional environment and in the presence of people, as it does not use chemicals, does not release residues into the environments being treated and has a low energy consumption combined with a significant sanitising power. All our devices use NTP technology which produces reactive and therefore sanitising species, through Jonix NTP generators, special cylinders made of recyclable materials. The architecture of the generator and the control mode are **covered by patents as a whole, thus making our technology unique and non-replicable in terms of efficiency and effectiveness.**

electric field

Antimicrobial action

Reactive Species
Ions/Radicals
$[^1O_2, O_2^{\cdot-}, H_2O_2, {}^\cdot OH, O_3, HO_2^\cdot, HO_2^-, NO^\cdot, ...]$

AIR
Neutral molecules
$[O_2, N_2, H_2O, CO_2,...]$

Reactive Species

Chemical action

↑
JONIX NON THERMAL PLASMA TECHNOLOGY
is able to eliminate from the air and treated indoor surfaces:
viruses, bacteria, moulds, microorganisms, VOCs and particulates.

As an
work

Jonix Non Thermal Plasma Technology is a physical phenomenon generated at room temperature that uses air as a gaseous mixture, transforming it into an ionised gas consisting of various electrically charged particles: electrons, ions, atoms and molecules.

These loaded species, in the presence of oxygen, take the name of RS (Reactive Species) and are highly reactive, therefore capable of attacking a wide variety of polluting compounds, oxidising and disintegrating them. One of the most common ways to artificially create and maintain a plasma is through an electrical discharge in a gas.

Jonix Non Thermal Plasma Technology uses so-called non-thermal discharges with the dielectric barrier method. The ionisation potential and density of charged species generated by electrical barrier discharge (DBD) plasma are greater than those present in non-thermal plasma generated by other systems.

VIRUS
including SARS-CoV-2

MOULD

BACTERIA

ODOURS

V.O.C.
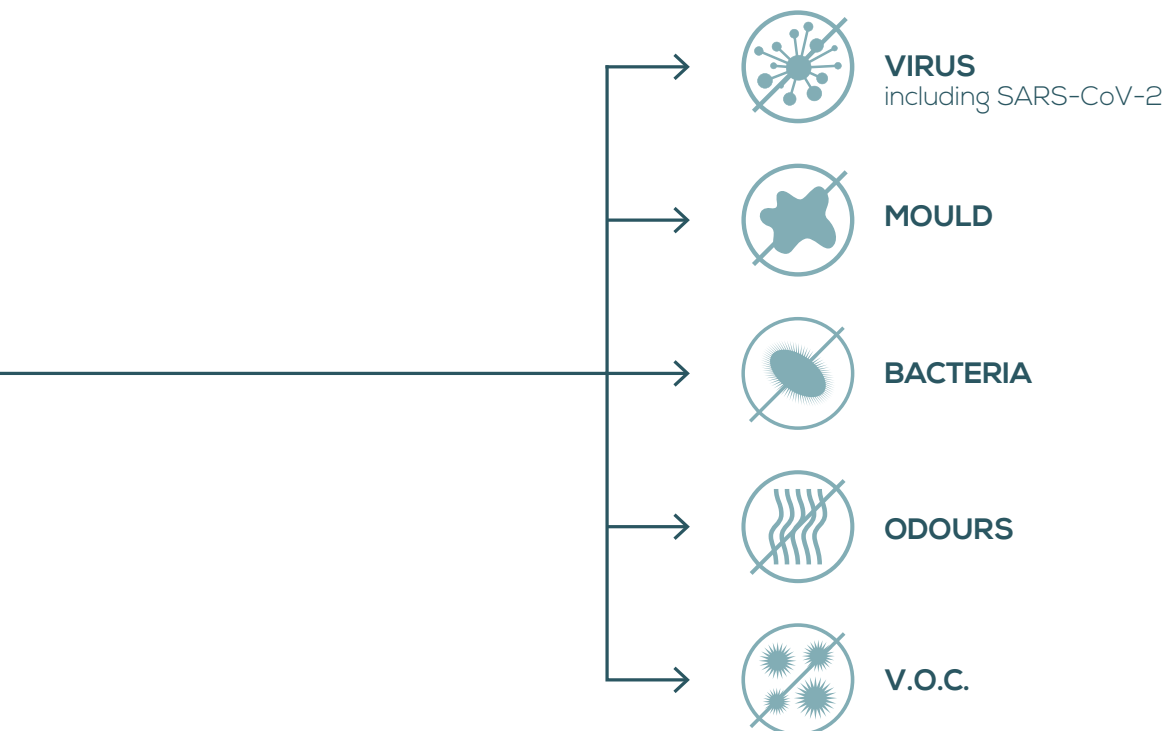
Tests and Certifications

We have filed 4 patents, making our NTP technology unique and non-replicable in terms of efficiency and effectiveness.

JONIX
Tested against Covid-19
by the University of Padua
Bacteria, Moulds,
VOCs and Viruses
up to
-99,9% *
jonixair.com

vmc 4people

up IN

Steel

ongreening

LEED

Estidama

HK Beam

Biosafe

TÜV PROFI

BREEAM

WELL

CE

Mate

Cube

Inside

Tested against
SARS-CoV-2
University of Padua

Tested against
Multidrug-resistant
Bacteria
University of Padua

DEPARTMENT OF MOLECULAR MEDICINE
UNIVERSITY OF PADUA

The Department of Molecular Medicine, directed by prof. Andrea Crisanti, subjected the Non Thermal Plasma technology present in Jonix devices to laboratory tests to verify its virucidal activity. The results obtained show that the device used (Jonix CUBE - Non Thermal Plasma technology) has an effective antiviral activity against SARS-CoV-2 (the so-called Covid-19), with a reduction of the viral load equal to 99.9999%. To ensure maximum precision and precision, the test was performed in compliance with the UNI EN 14476:2019 standard "Quantitative suspension test for the evaluation of virucidal activity in the medical field - Test method and requirements (phase 2, stage 1)" and the UNI EN 17272: 2020 standard "Method for disinfecting indoor air by automated processes - Determination of bactericidal, mycobactericidal, sporicidal, fungicidal, yeasticidal, virucidal and phagocytic activity".

* The virucidal activity was tested using the SARS - CoV-2 (Covid-19) strain. All experiments were conducted in the Level 3 Biosafety Laboratory (BSL3).
The use of Jonix devices DOES NOT exclude compliance with the provisions for the prevention and containment of the pandemic.

The Scientific Dossier is available upon request.

TÜV PROFICERT

Quality certification of devices
TÜV PROFiCERT certifies the quality of the manufacturing processes of Jonix devices. The TÜV logo certifies the truthfulness of the data and performances declared in the scientific dossiers and in the product catalogues.

BIO SAFE

Bio-Safe®: certification: guarantee mark for health and residential well-being within confined spaces. Bio-Safe® certifies environments equipped with Jonix air sanitation systems, through a patented analysis protocol.

ONGREENING® AND PRODUCTMAP®

The platform for the Green Building
Ongreening® is an independent digital platform dedicated to the green building supply chain. ProductMAP® uses 11,000 sustainability criteria linked to over 44 green rating systems for product mapping.

VALIDATED DEVICES

Our air purification devices help meet the evaluation requirements of ecological buildings: Leed®, Breeam®, Estidama®, HK Beam®, Well®.

SEAL OF EXCELLENCE - HORIZON 2020

Certificate of excellence for the high quality of the "JONIX Air Plasma" project issued by an international panel of independent experts.

CE MARKING

Products compliant with the European directives
The product complies with the safety requirements of the applicable European Community directives and regulations.

Research and development: Jonix^{LAB}

Jonix^{LAB}: we use the technology that we develop

Jonix^{LAB} perfectly expresses the DNA of Jonix: each phase – research, experimentation, listening to the needs of the market, development, prototyping, creation – takes place thanks to the joint work of two structures, partners, complementary in terms of skills and activities, which guarantee the scientific and experimental part and technical, technological and production skills.

At Jonix^{LAB} we carry out experiments to produce scientific evidence in compliance with the effectiveness of the systems and ensuring the health of buyers. In this way we can obtain all the technical-scientific documentation that demonstrates the effectiveness of Jonix Non Thermal Plasma Technology in various application areas.

The laboratory experiments are accompanied by the construction of pilot systems, designed and built by Jonix^{LAB} for the applicative verification of the effectiveness of our technology. The systems are installed in operational industrial structures and are used to conduct analytical monitoring campaigns.

Jonix^{LAB} operates in two directions:

- **improving/implementing existing products** through their application with a focus on sanitisation/reduction in a variety of sectors (automotive, lifts, kitchen hoods, industrial machines, etc.), improving control and applicability (interconnection, remote controls, extension of functionality);

- **applying Jonix Non Thermal Plasma Technology in new sectors** (agricultural for phytostimulation, wastewaters for purification and discolouration, waste for the reduction of odours and harmful chemicals).

Research and development: projects from 2013 to 2022

Research and development is aimed at the development of new systems, plants and products based on Jonix Non Thermal Plasma Technology and at the improvement of existing products. Since its inception, Jonix **has invested approximately 1.1 million Euro in research and development**, half of which with funding, for the projects listed below.

JONIXWATER
2013

Study for the application of NTP in the purification treatment of wastewaters, as an alternative to physical and chemical refining treatment

JONIX MAP
2014-2015

Study of the effects of new active MAP packaging mixtures of fresh products to increase the shelf life and study of sanitisation effects at the processing facilities of the IV range

ULTRASOUND PROBES
2015

Study on the sanitation of non-critical ultrasound probes with Jonix NTP Technology

HTHG
2016-2019

High Tech – House Garden
Greenhouse cultivation of the future: high tech at the service of Tuscan horticulturalism

JONIXrsa
2017

Innovation of the process of preventing infections related to healthcare practices through the use of Jonix NTP Technology

SMASH
2018-2020

Application of NTP in precision agriculture

COLTIV@MI
2018-2020

Funded project: Call 2 2017, Strategic R&D Projects in the PMI POR FESR Toscana 2014-2020
Development of a domestic greenhouse for the cultivation of food or ornamental species using Jonix NTP Technology for the treatment of air and irrigation water

AirTISTA
2020-2021

Funded project: Call for R&D projects for 4.0 technologies in response to the Covid-19 pandemic - ARTES4.0 2020 call
Development of sensors for the automation of JONIX devices related to the gathering of people in environments (ref directives which seek to limit overcrowding in the Covid-19 period)

SAFEPLACE
2020-2022

Funded project: call POR FESR 2014-2020, Axis 1. Action 1.1.4 Veneto Region
IoT systems for healthy and safe living environments

ARCO
2013-2014

Ageing Study of Treated Composite Archaeological Waterlogged Artefacts

OPERA
2013-2015

Development and design of an operating room of the future, domotic, automated, with new technologies

NTPTECH
2015

Jonix NTP Technology apparatus development to be used as a co-fuel in flame feed for the study of the synergistic effect in combustion

LIGHTAN
2015-2018

Funded project: Call 2 2014, Projects of R&D in PMI POR FESR Toscana 2014-2020
Development of tanning wastewater treatment systems (based on Jonix NTP Technology) to increase the recycling of water resources

TRISIO
2017-2020

Development of a polluting emissions treatment system in the waste sector using Jonix NTP Technology

i-WATER
2018-2019

Study of new sanitising systems for the washing of fresh vegetables

AFARCLOUD
2018-2021

Application of NTP in precision agriculture

JONIOT
2020-2021

Funded project: Call 2020 Digital Micro-innovation in companies POR FESR Toscana 2104-2020
Intelligence development in JONIX devices

WIPE
2021-2022

Project being funded: Call 1 2020, Strategic Projects of R&D POR FESR Toscana 2014-2020
Development and design of an innovative machine for the washing and sanitising of Personal Protection Equipment using Jonix NTP Technology. Machine intended for the industrial, rescue and healthcare sectors

AGRIPOLIS
2022

Use of Jonix Non Thermal Plasma Technology for the treatment of irrigation water in soilless crops

03.

Application sectors

From the operating room to museums: the areas of application

The sanitising power of Jonix Non Thermal Plasma Technology has countless professional areas of use, because with its high safety and efficacy, it has no contraindications or side effects.

It does not use or release residual chemicals into the environment and can be used in the presence of people, even those with frail health, continuously and constantly.

Medical sector

DOCTORS' SURGERIES • HOSPITALS • NURSING HOMES • DENTAL OFFICES • VETERINARY CLINICS AND CLINICS • RETIREMENT HOMES

ADVANTAGES

Non-stop sanitising of air and surfaces • Preventing the spread of infections • Continuously cleanings surgical and post-surgical areas • Decontaminating canteens and professional kitchens • Eliminating odours • Completing sanitation protocols.

PRODUCTS

**Cube line
Jonix up IN
Mate line
Stee line l
Jonix Inside**

Wellness and beauty

HAIRDRESSING SALONS • BEAUTY CENTRES • NAIL ART • GYMS • SPAS

ADVANTAGES

Continuously sanitising air and surfaces from viruses and bacteria • Dissolving chemicals accumulated in the environment • Reducing electrostatic charges • Improving the quality of the air and the well-being of operators and customers.
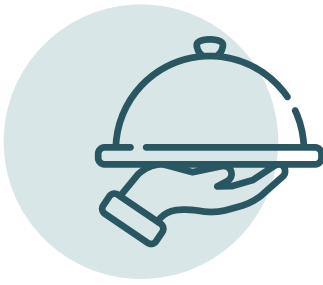
PRODUCTS

**Cube line
Jonix up IN
Mate line
Steel line**

Ho.re.ca.

HOTELS • B&BS • FARMHOUSE ACCOMMODATION • RESTAURANTS • BARS

ADVANTAGES

Sanitising and deodorising rooms • Decontaminating the air and surfaces in entrances and communal areas • Sanitising professional kitchens guaranteeing the maximum safety and hygiene of preparations • Making daily tidying up and cleaning operations more complete and efficient • Guaranteeing maximum hygiene of the air and surfaces of small, highly frequented spaces such as lifts, bathrooms and changing rooms.

PRODUCTS

Cube line
Jonix up IN
Mate line
Steel line
Jonix Inside
vmc 4people

Food

FOOD PRODUCTION, PREPARATION, STORAGE CHAINS • SUPERMARKETS • DELICATESSENS • CATERING

ADVANTAGES

Continuous sanitisation of air and surfaces in food preparation, storage and packaging environments • Decontamination and deodorisation of production areas • Ensuring protection and safety in spaces dedicated to resale • Making daily sanitation operations more complete and efficient • Removal of pollutants generated by preservatives substances, detergents, inflow of persons.

PRODUCTS

Cube line
Jonix up IN
Mate line
Steel line
Jonix Inside
vmc 4people

Business

SHOPS • OFFICES • STUDIOS

ADVANTAGES

Sanitising of the cash desk and entrance and test booths • Constant decontamination of the products on display • Ensuring constant decontamination of the air and surfaces • Eliminating contaminants generated by people, from furniture, devices and materials • Preventing the spread of airborne disease infections • Improving air quality and the well-being of customers and employees.

PRODUCTS

Cube line
Jonix up IN
Mate line
Steel line

Art

MUSEUMS • GALLERIES • EXHIBITION SPACES OF ANY SIZE • CINEMAS • THEATRES
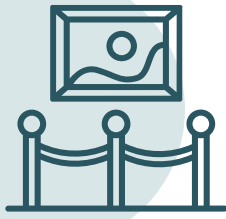
PRODUCTS

Cube line
Jonix up IN
Mate line
Steel line
Jonix Inside

ADVANTAGES

Eliminating contaminants generated by people, furniture, devices and materials • Decontaminating non-stop air and surfaces • Sanitising environments by filtering particles released by clothing and people in transit.

Residential

HOUSES • FLATS • HOME OFFICE • CONDOMINIUMS

PRODUCTS

Cube line
Jonix up IN
Jonix Inside

ADVANTAGES

Eliminating contaminants generated by furniture and building materials • Dissolving odours • Improving air quality and environmental comfort • Reducing the formation of moulds • Sanitising lift and communal areas ensuring hygiene of the air and of surfaces.

Schools

PRODUCTS

Cube line
Jonix up IN
Mate line
Steel line
Jonix Inside
vmc 4people

ADVANTAGES

Eliminating contaminants, bacteria and viruses carried by people, given off by furniture, devices and materials, ensuring constant sanitation • Preventing contagion from airborne diseases • Improving air quality and the well-being of students and staff • Keeping people safe and ensuring the decontamination of books and equipment.

04.
Products

PRODUCTS	INSTALLATION	VENTILATION	WITH FILTRATION
cube light	Support	**40** m³/h	Anti-dust in AISI 304 stainless steel
cube	Support	**40** m³/h	Anti-dust in AISI 304 stainless steel
cube professional	Free-standing or wall-mounted	**40** m³/h	Anti-dust in AISI 304 stainless steel
cube IoT	Support	**40** m³/h	Anti-dust in AISI 304 stainless steel
micromate basic	Mobile on wheels	from **200** to **400** m³/h	Pre filter G2 - Filter F7 - Main filter H13
micromate plus	Mobile on wheels	from **200** to **400** m³/h	Pre filter G2 - Filter F7 - Main filter H13
minimate basic	Mobile on wheels	from **400** to **1200** m³/h	Pre filter G2 - Filter F7 - Main filter H13 or H14
minimate plus	Mobile on wheels	from **400** to **1200** m³/h	Pre filter G2 - Filter F7 - Main filter H13 or H14
mate basic	Mobile on wheels	from **500** to **3000** m³/h	Pre filter G2 - Filter F7 - Main filter H13 or H14
mate plus	Mobile on wheels	from **500** to **3000** m³/h	Pre filter G2 - Filter F7 - Main filter H13 or H14
maximate basic	Mobile on wheels	from **1500** to **6000** m³/h	Pre filter G2 - Filter F7 - Main filter H13 or H14
maximate plus	Mobile on wheels	from **1500** to **6000** m³/h	Pre filter G2 - Filter F7 - Main filter H13 or H14
steel 1C	Mounting on horizontal / vertical wall	**160** m³/h	Anti-dust in AISI 304 stainless steel
steel 2C	Mounting on horizontal / vertical wall	**160** m³/h	Anti-dust in AISI 304 stainless steel
steel 4C	Mounting on horizontal / vertical wall	**160** m³/h	Anti-dust in AISI 304 stainless steel
steel 2F	Mounting on horizontal / vertical wall	**320** m³/h	Anti-dust in AISI 304 stainless steel
steel 4F	Mounting on horizontal / vertical wall	**320** m³/h	Anti-dust in AISI 304 stainless steel
up IN	Mounting on vertical wall / Ceiling mounting	from **35** to **90** m³/h	Anti-dust in AISI 304 stainless steel
duct 70MIC2C	Internal application to hydronic terminals / Application on air duct		
duct 70MIC4C			
duct 70MIC2F			
duct 70MIC4F			
vmc 4people basic	Ceiling mounting / Mounting on vertical wall (on request)	from **400** to **600** m³/h	Air inlet pre-filter renewal G4 - Filter F7 - Type of filtration exhausted air G4
vmc 4people plus	Ceiling mounting / Mounting on vertical wall (on request)	from **400** to **600** m³/h	Air inlet pre-filter renewal G4 - Filter F7 - Type of filtration exhausted air G4

Guide to choosing Jonix products

AMBIENT VOLUME or AIR FLOW	AMBIENT TYPE	It is found at:
up to **120** m³	**Residential** **Hotel Rooms** **Receptions** **Classrooms or small meeting rooms** **Shops**	Page **24 - 25**
up to **240** m³		
up to **240** m³	**Beauty salons, hairdressers and beauty centres** **School classrooms**	
up to **240** m³	**Residential, Hotel rooms, receptions, classrooms or small meeting rooms, shops**	Page **26 - 27**
Filtration: up to **400** m³/ h	**Outpatient clinics and doctors' surgeries** **Offices / Meeting rooms** **Exhibition and museum spaces with a large influx of people**	Page **28 - 29**
Sanitation: up to **400** m³ Filtration: up to **200** m³/ h		
Filtration: up to **1200** m³/ h	**Outpatient clinics and doctors' surgeries** **Vets (surgical and post surgical areas)** **Areas of processing, packaging, preservation of products** **Technical service preparation areas, near workstations** **of technical services (colouring, bleaching, straightening, perms)** **Gyms** **Atriums and auditoriums** **Open space offices** **Restaurant rooms** **Exhibition and museum spaces with a large influx of people**	
Sanitation: up to **480** m³ Filtration: up to **1200** m³/ h		
Filtration: up to **3000** m³/ h		
Sanitation: up to **1000** m³ Filtration: up to **3000** m³/ h		
Filtration: up to **6000** m³/ h		
Sanitation: up to **2000** m³ Filtration: up to **6000** m³/ h		
up to **105** m³	**Cells for the preservation, storage and seasoning of food products** **Refrigerated displays** **Food processing and packaging rooms** **Production environments** **Canteens** **Professional kitchens for bars, hotels, restaurants, catering** **Surgical and post surgical areas** **Vets (surgical and post surgical areas)**	Page **30 - 31**
up to **200** m³		
up to **500** m³		
up to **1000** m³		
up to **2000** m³		
up to **100** m³	**Lifts / Travel cabs / Fitting rooms** **Small spaces / Offices / Changing rooms, bathrooms**	Page **32 - 33**
for air flows up to **500** m³/ h	**Offices** **Outpatient clinics and doctors' surgeries** **Ho.Re.Ca** **Beauty salons** **Medical and veterinary surgeries** **Exhibition and museum spaces**	Page **34 - 35**
for air flows up to **1000** m³/ h		
for air flows up to **2000** m³/ h		
for air flows up to **4000** m³/ h		
for air flows up to **660** m³/ h	**Residential** **Classrooms** **Professional kitchens** **Canteens** **Warehouses**	Page **36 - 37**
for air flows up to **660** m³/ h		

Cube line

Stand alone devices, small, compact, elegant and easily transportable, suitable for sanitising and making spaces, such as hotel rooms, relaxation rooms, classrooms and laboratories rooms for visits, small commercial activities.

- The range consists of cube-shaped, **lightweight**, and **small dimensions** devices.
- It is easy to use with **minimum consumption**.
- **Multi-active**: they break down pollutants in the air without leaving any residue.
- **NON stop**: you can keep it on while you live in your spaces, without contraindications.
- **Cube Professional**: from 40 m² upwards, **it has a night-time function for enhanced room sanitisation** (6 hours continuously in the absence of persons). Suitable for hairdressers, make-up salons, waiting rooms, classrooms. It also comes on request with a wall-mounting bracket.

MODEL The Cube line includes small, compact, and designer devices that are effective and safe.	cube light	cube	cube Professional
Code	70GRAYCUBELIGHT	70WHITECUBE 70BLACKCUBE	70BLACKCUBEPRO
Plasma generators	1 x 175 mm type	2 x 175 mm type	2 x 175 mm type
Size	238 L x 238 P x 260 H mm	238 L x 238 P x 260 H mm	215 L x 215 P x 260 H mm
Weight	3.3 kg	3.5 kg	2.8 kg
Type of power supply	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz
Consumption	10 W	10 W	10 W
Sound pressure Lp. Leq.	31 dB (A)	33 dB (A)	33 dB (A)
Ventilation type	1 axial fan with fixed flow rate	1 axial fan with fixed flow rate	1 axial fan with fixed flow rate
Filter	Dust-proof SAE 304 stainless steel	Dust-proof SAE 304 stainless steel	Dust-proof SAE 304 stainless steel
Air flow rate	40 m³/h	40 m³/h	40 m³/h
Environments	up to 120 m³	up to 240 m³	from 110 to 240 m³
Colours	Greige (RAL 7044)	White or Black	SAE 304 stainless steel

Cube IoT

Stand alone device to sanitise the air and surfaces of closed environments, programmable and manageable remotely via smartphone thanks to the exclusive Jonix Controller app. With Cube IoT it is possible to program the operation and sanitation of rooms and small spaces based on the days of the week and times of the day.

• **Free** app downloadable from Google Play or App Store*.
• Decide **remotely the preferred level of action** (1, 2 or 3 depending on the size of the space and the number of people present).
• **Remotely turn** your devices on or **off**.
• Manage **multiple devices** in different environments from a single application.
• Set the weekly and/or daily **schedule**.
• Receive an **alert** when maintenance is required (cleaning or replacement of generators).

*) Jonix Controller is compatible with iOS 11 and subsequent versions and Android 6.0 and subsequent versions.

MODEL

Cube IoT is available in two colours: white and black.

cube IoT

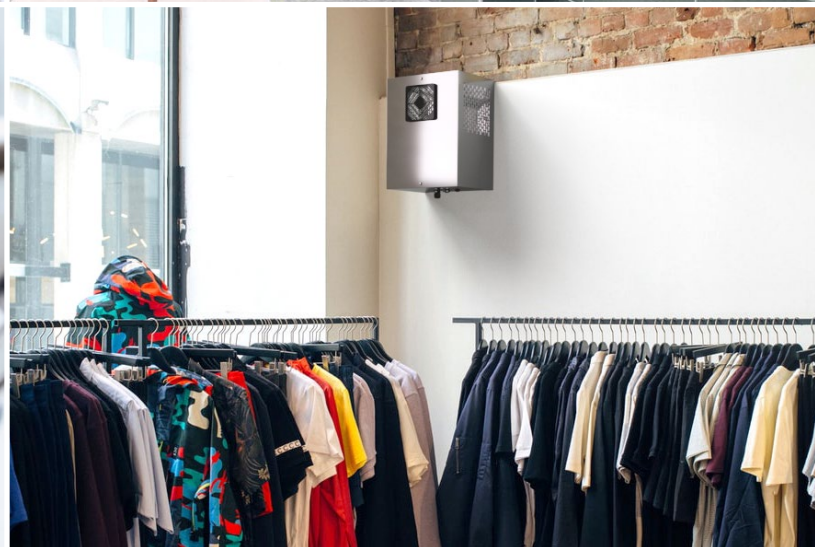| Code	70WHCUBEIOT
	70BKCUBEIOT
Plasma generators	2 x 175 mm type
Size	238 L x 238 P x 260 H mm
Weight	3.5 kg
Type of power supply	230 V / 1~ / 50 Hz
Consumption	10 W
Sound pressure Lp. Leq.	33 dB (A)
Ventilation type	1 axial fan with fixed flow rate
Filter	Dust-proof SAE 304 stainless steel
Air flow rate	40 m³/h
Environments	up to 240 m³
Colours	White or Black

Mate line

Mobile devices for the sanitization and absolute filtration of dust, make deep cleaning and safety in spaces where many people circulate, such as hall, restaurant rooms, bars, auditoriums, gyms, common rooms.

- **Two levels of filtration:** F7 and H13 or H14 (except for micromate) to be more effective. G2 prefiltration level.
- Is composed of **mobile devices** that can be placed wherever you want.
- It is versatile and powerful: it can be used during daily sanitisation activities.
- Is easily **programmable on 4 daily time schedules**, for every day of the week.
- Exclusive **programmable filters sanitisation function** (patented) for safe maintenance.

MODEL	micromate	minimate	mate	maximate
The devices of the Mate line have a compact and essential design, occupying a small space for better integration into environments. They are ideal where absolute filtration of suspended dust and sanitation of air and surfaces is required.				
Code Basic (Filter H13)	70MICROBASICH13	70MINIBASICH13	70MATEBASICH13	70MAXIBASICH13
Code Basic (Filter H14)	–	70MINIBASICH14	70MATEBASICH14	70MAXIBASICH14
Code Plus (Filter H13)	70MICROPLUSH13	70MINIPLUSH13	70MATEPLUSH13	70MAXIPLUSH13
Code Plus (Filter H14)	–	70MINIPLUSH14	70MATEPLUSH14	70MAXIPLUSH14
Plasma generators	1 x 175 mm type / **2 x 175 mm type (only plus)**	1 x 175 mm type / **4 x 175 mm type (only plus)**	1 x 175 mm type / **4 x 520 mm type (only plus)**	1 x 175 mm type / **8 x 520 mm type (only plus)**
Display	4.3" touch screen	4.3" touch screen	4.3" touch screen	4.3" touch screen
Size	720 L x 400 P x 860 H mm	560 L x 480 P x 1060 H mm	678 L x 700 P x 1941 H mm	1305 L x 715 P x 2165 H mm
Weight	51 kg	71 kg	175 kg	220 kg
Type of power supply	230 V /~1/ 50 Hz	230 V /~1/ 50 Hz	230 V /~1/ 50 Hz	230 V /~1/ 50 Hz
Maximum absorbed power	360 W	580 W	800 W	2800 W
Ventilation type	n ° 2 EC plug fans, high efficiency, with integrated electronic control	n ° 1 EC plug fan, high efficiency, with integrated electronic control	n ° 1 EC plug fan, high efficiency, with integrated electronic control	n ° 2 EC plug fan, high efficiency, with integrated electronic control
Filters	G2 - F7 - H13 or H14	G2 - F7 - H13 or H14	G2 - F7 - H13 or H14	G2 - F7 - H13 or H14
Adjustable air flow rate	200 - 400 m³/h	400 - 1200 m³/h	500 - 3000 m³/h	1500 - 6000 m³/h
Sanitation up to:	240 m³	500 m³	1000 m³	2000 m³
Filtration up to:	400 m³	1200 m³	3000 m³	6000 m³
Colour	White	White	White	White

Steel line

Wall-mounted devices that continuously reduce biological and chemical contaminants and odours.
The Steel line is suitable for professional kitchens, gyms, changing rooms, because it eliminates contaminants and odours.

- Is versatile: each device **can be fixed to walls** (horizontally or vertically) and ceilings.
- Is made of **SAE 304 stainless steel**, a hygienic and anti-corrosive material.
- Is compact, it is suitable for **all environments**.
- Is easy to install and use.
- Excellent for professional kitchens, canteens, warehouses, cold rooms, the food industry and transit areas.
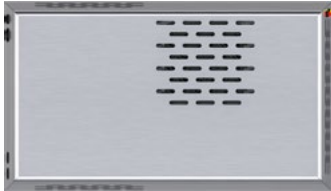
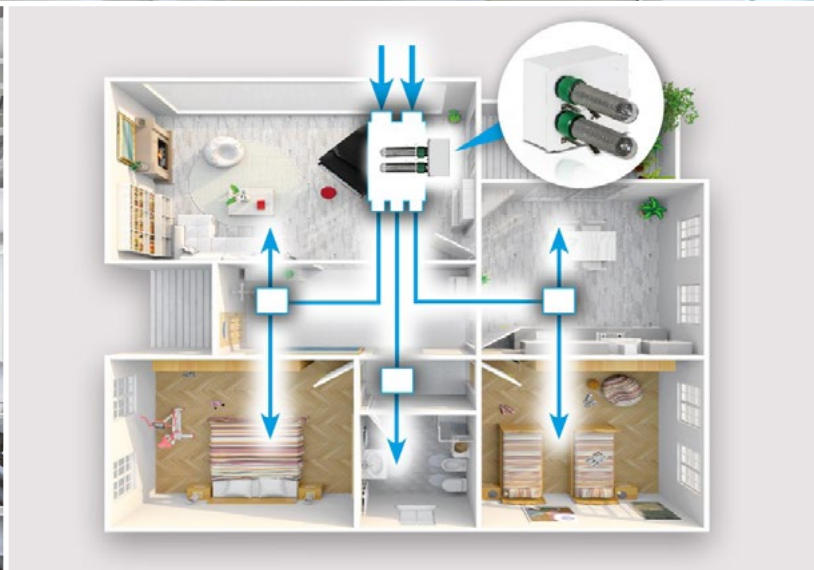| MODEL	steel 1C	steel 2C	steel 4C	steel 2F	steel 4F
Designed to be suitable for all environments and to be installed in small spaces, given the different fixing solutions.					
Code	70STEEL1C	70STEEL2C	70STEEL4C	70STEEL2F	70STEEL4F
Plasma generators	1 x 175 mm type	2 x 175 mm type	4 x 175 mm type	2 x 520 mm type	4 x 520 mm type
Size	190 L x 150 P x 375 H mm	310 L x 260 P x 400 H mm	310 L x 260 P x 400 H mm	310 L x 260 P x 750 H mm	310 L x 260 P x 750 H mm
Weight	5 kg	9 kg	10 kg	14 kg	15 kg
Sound pressure Lp. Leq.	47 dB (A)	50 dB (A)	50 dB (A)	50 dB (A)	50 dB (A)
Type of power supply	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz
Consumption	33 W	36 W	37 W	65 W	67 W
Ventilation type	1 axial fan	1 axial fan	1 axial fan	2 x axial fan	2 x axial fan
Filter	Dust-proof SAE 304 stainless steel	Dust-proof SAE 304 stainless steel	Dust-proof SAE 304 stainless steel	Dust-proof SAE 304 stainless steel	Dust-proof SAE 304 stainless steel
Air flow rate	160 m³/h	160 m³/h	160 m³/h	320 m³/h	320 m³/h
For rooms up to:	105 m³	200 m³	500 m³	1000 m³	2000 m³
Colour	SAE 304 stainless steel	SAE 304 stainless steel	SAE 304 stainless steel	SAE 304 stainless steel	SAE 304 stainless steel

up IN line

Continuous sanitization for indoor air and surfaces in small rooms and areas such as lifts, cubicles, changing rooms, study areas.

• It is ideal for sanitising small spaces, even very quiet ones, because it guarantees **silence.**
• It has been designed to be positioned inside **elevators,** but you can use in many other environments such as bathrooms, offices, changing rooms, closets, environments of storage and warehouses to ensure constant hygiene and health.
• It can be placed both on the **ceiling** or on **wall**.
• **up IN plus:** ideal for means of transport.

MODEL The device is configurable: it is possible to modulate the fan speeds, the hourly productivity of the sanitising air flow and control it remotely.	**up IN**	**up IN plus**
Code (230v)	70JONIXUPIN	–
Code (12v)	–	70JONIXUPIN12
Code (24v)	–	70JONIXUPIN24
Plasma generator	1 x 175 mm type	1 x 175 mm type
Size	300 L x 300 P x 93 H mm	300 L x 300 P x 93 H mm
Weight	4.5 kg	7.5 kg
Sound pressure Lp. Leq.	42 - 47 - 52 dB (A) depending on the speed	42 - 47 - 52 dB (A) depending on the speed
Type of power supply	230 V / 1~ / 50 Hz	12 Vdc 24 Vdc
Consumption	16 - 21 - 27 W depending on the speed	50 W max
Ventilation type	no. 1 EC, high efficiency plug fan, with integrated control	no. 1 EC, high efficiency plug fan, with integrated control
Filter	Dust-proof SAE 304 stainless steel	Dust-proof SAE 304 stainless steel
Air flow rate	Variable ventilation 35 - 60 - 90 m³/h	Variable ventilation 35 - 60 - 90 m³/h
For rooms up to:	120 m³	120 m³
Colour	SAE 304 stainless steel	SAE 304 stainless steel

Inside line

Depending on the system requirements, the duct devices of the Inside line can be integrated both in the construction phase and on existing systems.
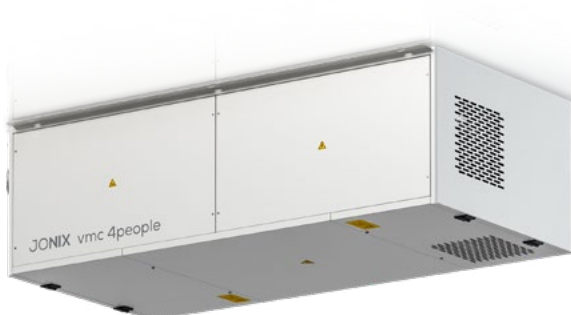In aeraulic ducts they can be fixed to the wall (in a horizontal or vertical position).

• Ideal on air ducts.
• Sanitises the internal surfaces of aeraulic channels and the air in transit to ensure entry into the environments of good air quality.
• Management via ModBUS protocol. Control unit Mini Boss supervision up to 30 Duct (Optional).
• Minimum consumption, from 20 W to 40 W depending on the sizing.

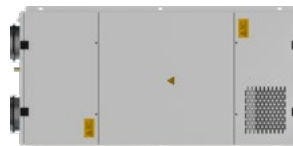| MODEL Modular and easy to install. Designed to fit all existing plants and in the construction phase.	duct MIC 2C	duct MIC 4C	duct MIC 2F	duct MIC 4F
Code	70MIC2C	70MIC4C	70MIC2F	70MIC4F
Plasma generators	2 type 175 mm	4 type 175 mm	2 type 520 mm	4 type 520 mm
DimensionS	290 L x 350 P x 200 H mm	290 L x 350 P x 200 H mm	290 L x 700 P x 200 H mm	290 L x 700 P x 200 H mm
Weight	4 kg	5 kg	5 kg	6 kg
Type of power supply	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz	230 V / 1~ / 50 Hz
Consumption	10 W	20 W	20 W	40 W
Channel air flow rate	500 m³/h	1000 m³/h	2000 m³/h	4000 m³/h
Colour	White	White	White	White

vmc 4people line

Controlled mechanical ventilation and sanitation unit that guarantees continuous air exchange without having to open windows, the filtration of dust and leaves rooms healthy, constantly sanitised and odour-free. It can be used in environments with a high density of people: school classrooms, waiting and recreational rooms, dining rooms and communal rooms.

- Is versatile: it can be installed **on the ceiling** or in a **vertical position** (on request).
- Is made from **pre-painted sheet metal**, RAL 9010 white colour.
- Allows significant energy savings thanks to the high efficiency **heat recovery unit**.
- **Constantly filters the external renewal air**, preventing the entry of dust and pollen.
- The device includes a stainless steel **condensate drain pan**.
- The **free cooling** is **automatic** and standard.
- The two fans with variable flow are used to set the ambient pressure (positive/negative/neutral).

MODEL Jonix vmc with cold plasma technology eliminates bacteria, moulds, viruses, chemical pollutants, VOCs, and odours by ensuring bacterial decontamination of the surfaces and the air in the room.	vmc 4people
Code Basic	70VMC4PPLUS
Code Plus	70VMC4PBASIC
Non Thermal Plasma (NTP) Generators	basic: 1 filter NTP generator plus: 1 filter NTP generator + 1 ambient NTP generator (2 on request)
Efficiency (%)	88
Type of recuperator	RS in HPS
Air inlet pre-filter renewal	G4
Air inlet filtration type renewal	F7 – Fine dust filter EN 779-201
Type of filtration exhausted air	G4
Dimensions	1370 L x 650 P x 450 H mm
Weight	71 kg
Power supply	230 V / 1~ / 50-60 Hz
Max power absorption (W)	299
Maximum absorbed current (A)	2,5
Ventilation type	no. 2 EC, high efficiency plug fans, with integrated control
Min / max flow ventilation (m³/h)	400 - 600
Nominal air flow (m³/h)	500
Supply and suction grilles	Optional
Electric resistance for winter integration	Optional
Remote control panel kit (4.3")	Optional

Product codes

NAME	DESCRIPTION	ORDER CODE
cube	CUBE Limited Edition WH IoT	70WHLECUBEIOT
	CUBE Limited Edition BK IoT	70BKLECUBEIOT
	CUBE WHITE IoT	70WHCUBEIOT
	CUBE BLACK IoT	70BKCUBEIOT
	CUBE WHITE	70WHITECUBE
	CUBE BLACK	70BLACKCUBE
	CUBE PROFESSIONAL	70BLACKCUBEPRO
	CUBE Wall PROFESSIONAL	70BLKCUBEPROS
	LIGHT CUBE	70GRAYCUBELIGHT
	CUBE Capacitor Kit (2 pcs)	71KT000001
micromate	MICROMATE PLUS	70MICROPLUSH13
	MICROMATE BASIC	70MICROBASICH13
	Filter G2	JX70000037
	Air filter H13	JX70000021
	Air filter F7	JX70000020
	C capacitor kit spare parts for MicroMate (2 pcs)	71KT000002
minimate	MINIMATE PLUS	70MINIPLUSH14
	MINIMATE PLUS	70MINIPLUSH13
	MINIMATE BASIC	70MINIBASICH14
	MINIMATE BASIC	70MINIBASICH13
	Filter G2	JX70000027
	Air filter F7	JX70000006
	Air filter H13	JX700000016
	Air filter H14	JX700000017
	C capacitor kit spare parts for MiniMate (4 pcs)	71KT000002 (x2)
mate	MATE PLUS	70MATEPLUSH14
	MATE PLUS	70MATEPLUSH13
	MATE BASIC	70MATEBASICH14
	MATE BASIC	70MATEBASICH13
	Filter G2	JX70000031
	Air filter F7 for MATE	JX70000002
	Air filter H13 for MATE	JX70000003
	Air filter H14 for MATE	JX70000024
	F capacitor kit spare parts for Mate (4 pcs) - from 07/2020	71KT000003 (x2)

NAME	DESCRIPTION	ORDER CODE
maximate	MAXIMATE PLUS	70MAXIPLUSH14
	MAXIMATE PLUS	70MAXIPLUSH13
	MAXIMATE BASIC	70MAXIBASICH14
	MAXIMATE BASIC	70MAXIBASICH13
	Filter G2	JX70000032
	Air filter F7 (order 2 pcs)	JX700000010
	Air filter H13 (order 2 pcs)	JX700000011
	Air filter H14 (order 2 pcs)	JX70000030
	F capacitor kit spare parts for MaxiMate (8 pcs)	71KT000003 (x4)
up IN	UP IN	70JONIXUPIN
	UP IN PLUS12	70JONIXUPIN12
	UP IN PLUS24	70JONIXUPIN24
steel	STEEL 1C	70STEEL1C
	STEEL 2C (1 Spare kit type C)	70STEEL2C
	STEEL 4C (2 Spare kit type C)	70STEEL4C
	Spare C Capacitors Kit for Steel 1C-2C (2 pcs)	71KT000002
	Spare C Capacitors Kit for Steel 4C (4 pcs)	71KT000002 (x2)
	STEEL 2F (1 Spare kit type F)	70STEEL2F
	STEEL 4F (2 Spare kit type F)	70STEEL4F
	F capacitor kit spare parts for Steel 2F (2 pcs)	71KT000003
	F capacitor kit spare parts for Steel 4F (4 pcs)	71KT000003 (x2)
duct	MIC 2C (1 Spare kit type C)	70MIC2C
	MIC 4C (2 Spare kit type C)	70MIC4C
	C capacitor kit spare parts for MIC 2C (2 pcs)	71KT000002
	C capacitor kit spare parts for MIC 4C (4 pcs)	71KT000002 (x2)
	MIC 2F	70MIC2F
	MIC 4F	70MIC4F
	F capacitor kit spare parts for MIC 2F (2 pcs)	71KT000003
	F capacitor kit spare parts for MIC 4F (4 pcs)	71KT000003 (x2)
	JONIX Net manages up to 30 Duct	JX11000046
vmc 4people	4 PEOPLE PLUS	70VMC4PPLUS
	4 PEOPLE BASIC	70VMC4PBASIC
	Filter G4	JX70000025
	Filter F7	JX70000026
	Kit Display 4,3"	71KT000020
	Post heating resistance kit	Opzione su richiesta

Notes

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