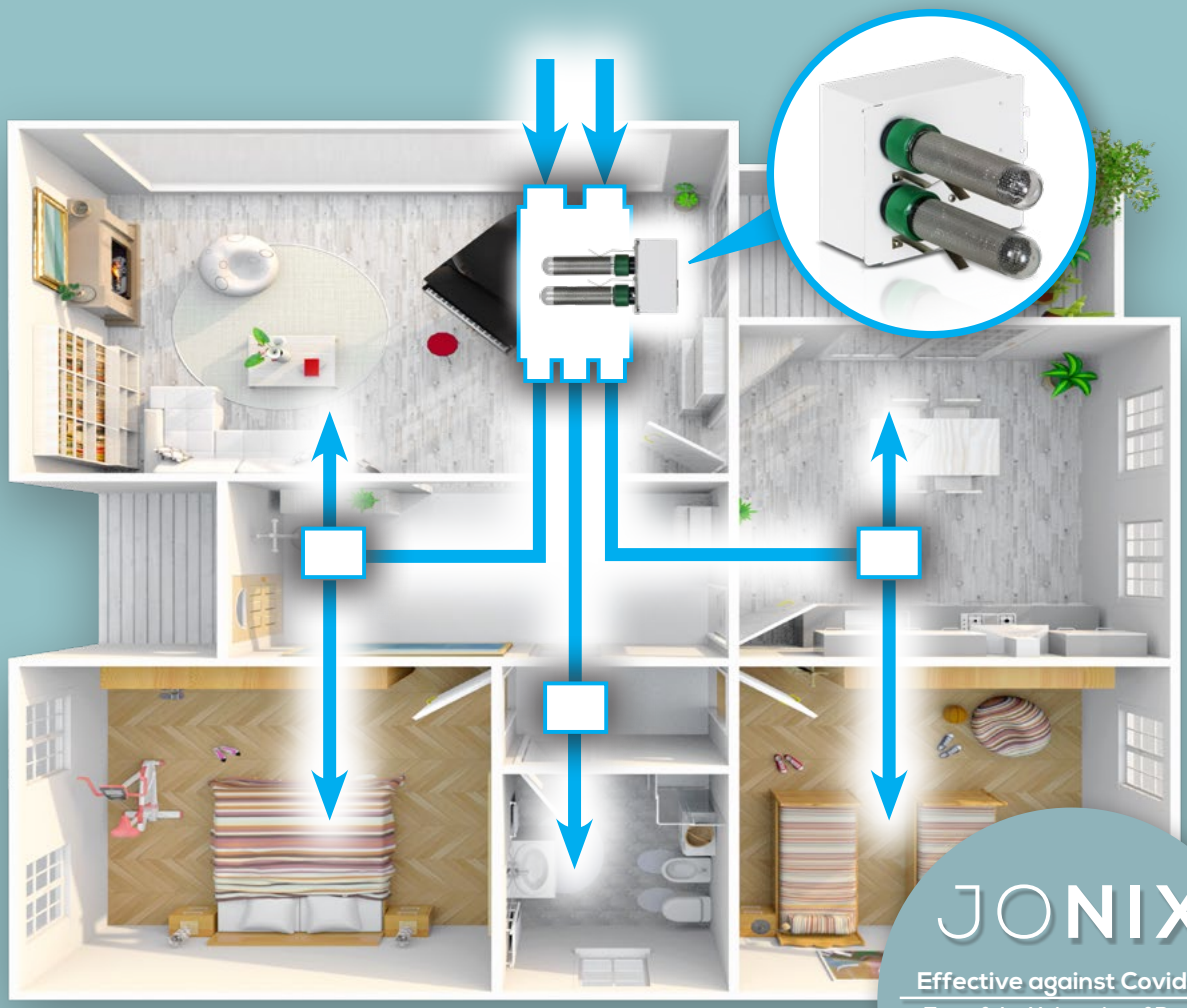
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JONIX inside Technology

JONIX
pure living

JONIX VMC NON THERMAL PLASMA TECHNOLOGY
DEVICES FOR THE SANITIZATION AND DECONTAMINATION OF AIR AND AERAULIC DUCTS



JONIX
Effective against Covid-19
Test of the University of Padua

-99,9%
Bacteria, Moulds, VOC and Virus

Effectiveness tested on:

covid-19 V.O.C. odours bacteria mould virus

MADE IN ITALY

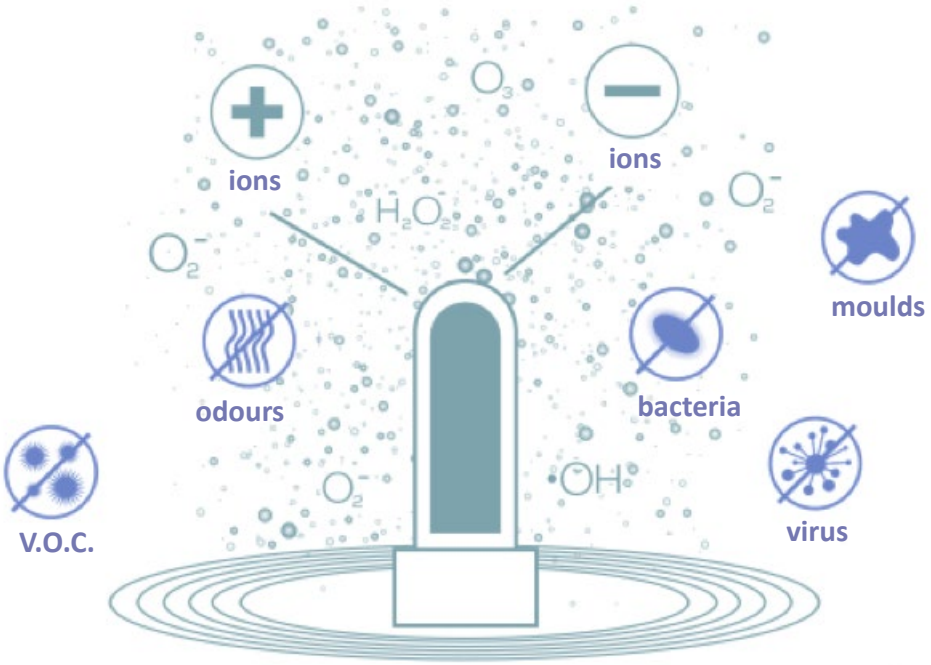
SANITITAZION AND DECONTAMINATION OF AERAULIC DUCTS



Bacterial and chemical pollutants develop inside air distribution systems and are transported by the airflow to the rooms.
JO**NIX** VMC with cold plasma technology eliminates bacteria, viruses, moulds, chemical pollutants, VOC and odours ensuring bacterial decontamination of the ducts' internal surfaces as well as of the air that flows through.

NON THERMAL-PLASMA TECHNOLOGY

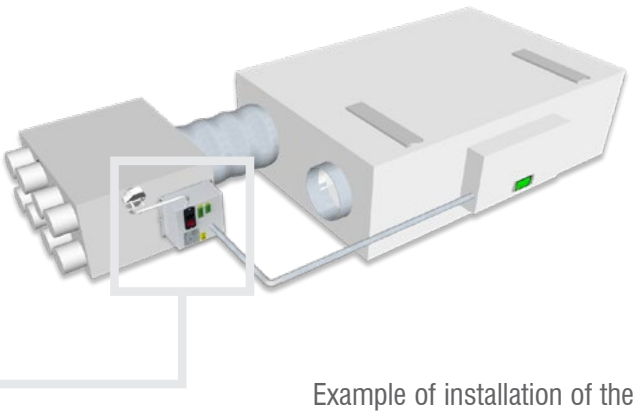
It is an advanced form of air ionisation, with a high stopping power for microbiological and chemical agents. Non-thermal plasma is a physical phenomenon generated at room temperature. It is an ionised gas, i.e., made up of various electrically charged particles: electrons, ions, atoms and molecules of organic and chemical origin which colliding with each other produce oxidising species.
It is considered a safe process for oxidising and breaking down pollutants. Through the collision of highly energetic electrons with oxygen, water vapor and nitrogen, it generates various active species (ions or neutral and radical species), these are transported by the airflow towards polluted agents. It is therefore an active air sanitising system, which hunts for pollutants by decomposing them without creating residual substances. Non-thermal plasma eliminates bacteria, viruses, moulds, spores, odours, and all volatile organic compounds (VOCs): formaldehyde, benzene etc ...



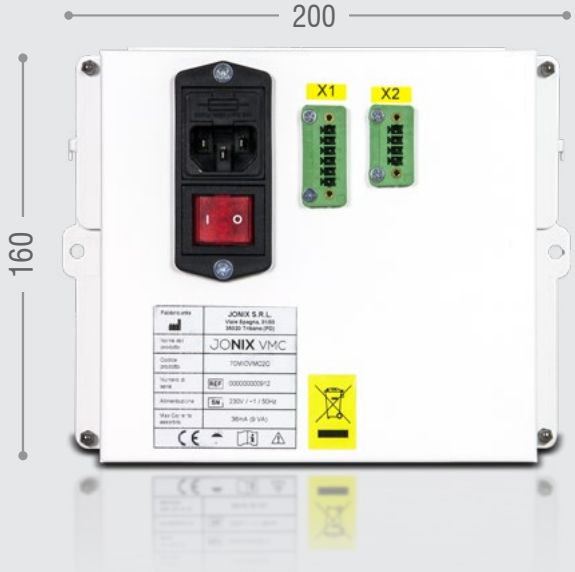
The most significant features of JONIX VMC are:

- **High efficiency**: reduction of bioburden and of volatile organic compounds up to 99% compared to the initial concentration;
- **Low power consumption**: about 10 Watts;
- **Strong deodorizing action**: it eliminates odours from the air flowing through;
- **Natural process**: it does not use nor produces residual chemical substances.





Example of installation of the JONIX VMC module.



CONTROL PANEL

JONIX VMC module is supplied fully cabled and only requires connection to a standard 230V/ ~1/ 50Hz socket.

JONIX VMC

JONIX VMC is a sanitisation and decontamination unit with cold plasma technology, for the purification and decontamination of internal surfaces of the distribution pipes and the air that flows through them.
Designed to be easily installed in any VMC system, where it is necessary to prevent or eliminate the formation of bacterial colonies on the surfaces of the ducts or of airborne ones.
JONIX VMC is simple and essential. Consistent with an integrated management of the facilities, control is managed by the Controlled Mechanical Ventilation unit (VMC).

ECOLOGICAL AND COMPATIBLE IN CASE OF PEOPLE'S PRESENCE

No chemical product is used and it has zero residual substances. It continuously sanitizes both the air and the surfaces, no negative impact on materials. It eliminates the odours thereby improving indoor comfort.

PRODUCTS CONTROLLED AND VALIDATED FOR INDOOR AIR HEALTH

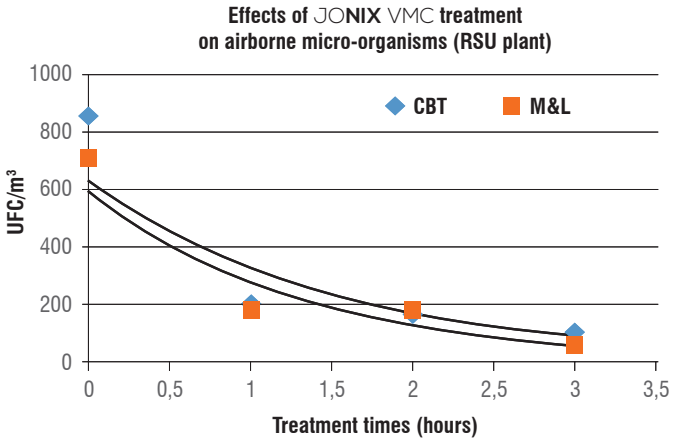


TÜV PROFiCERT PROFiCERT certifies the sincerity of the data and performances declared in scientific dossiers product catalogs. Using laboratory data, which have been evaluated as reliable.

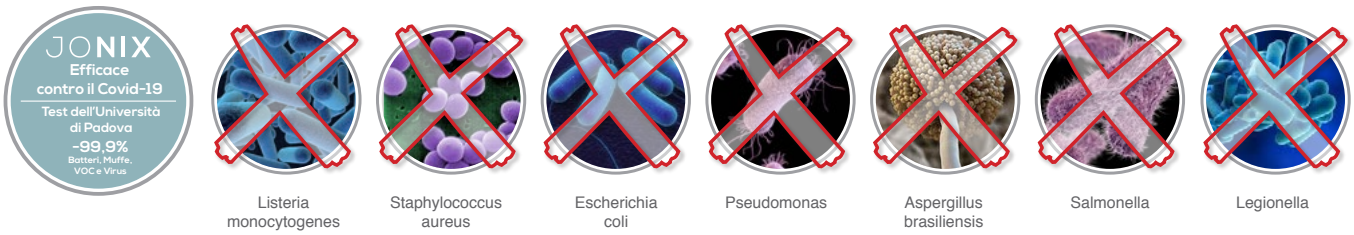
Biosafe
Certificazione di Salubrità Ambientale

Bio-Safe® Certification: a guarantee mark for health and well-being living within confined spaces. JONIX VMC devices have been tested according to the patented Bio-Safe® protocol which has verified and certified their ability to reduce contaminants. These products have been tested, according to the Bio-Safe® protocol, through laboratory analysis with a test chamber (UNI EN 16000) capable of verifying their emission potential and through environmental surveys (UNI EN 14412).





VOC Volatile Organic Compounds	Abatement % with NTP JONIX
Toluene	> 95
TBA (tribomanisolo)	> 95
Ethyl acetates	> 95
Xylenes	> 95
Aromatics C9	> 95
Aliphatic compounds (C5-12)	> 95
Aromatic compounds (C7-C10)	> 95
Volatile Organic Compounds	> 95



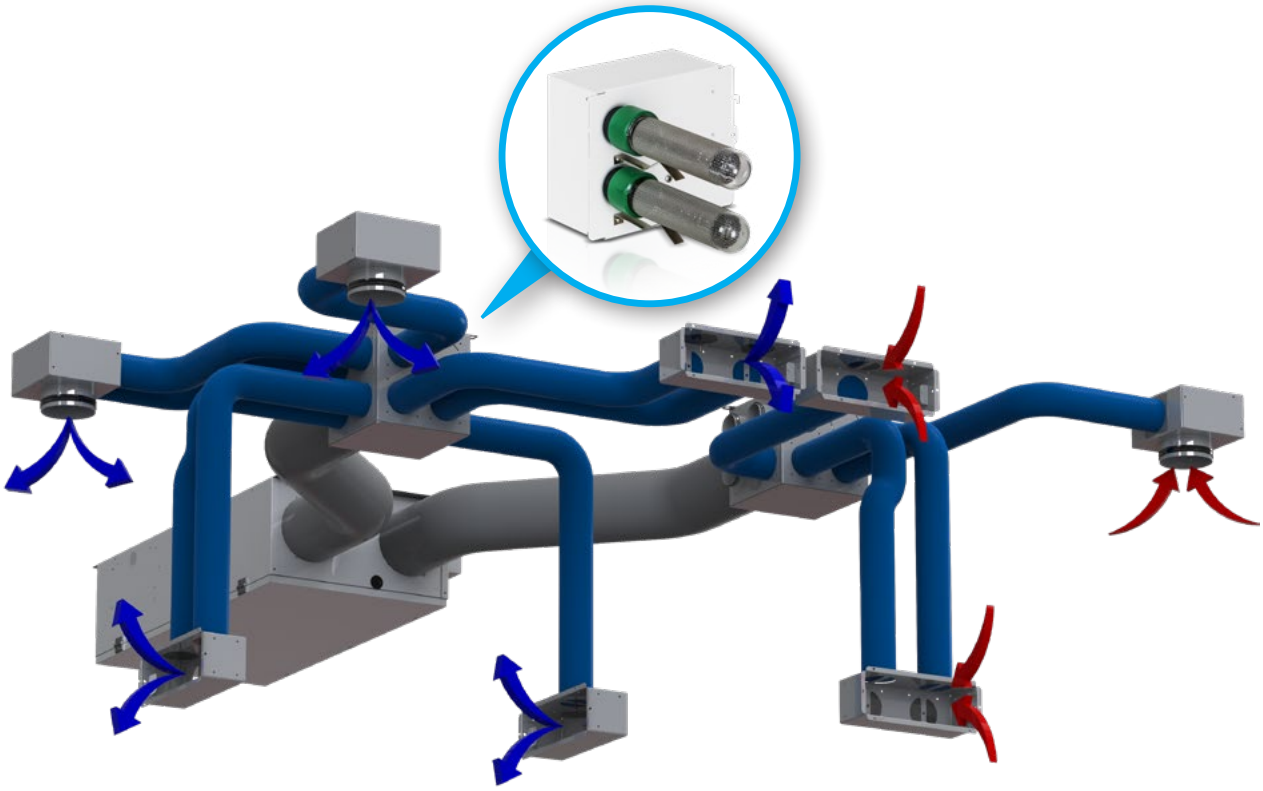
ECOLOGICAL PLANNING

Ecological=no chemical products
JO**NIX** VMC uses no chemical products and produces no residual substances.

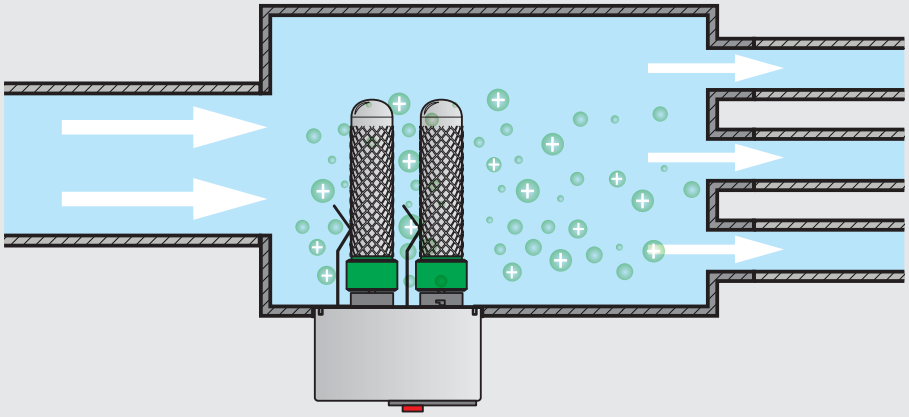
It can be used without interruptions, following the operating logic of the system.
Its continuous activity, besides purifying the air, generates a correct air ionization that ensures an environmental comfort for the reduction of stress from work, it encourages proper breathing. In order to protect and promote health in indoor environments.

EASY TO INSTALL IN ANY DUCTWORK AND WITH ANY MATERIAL

JO**NIX** VMC devices – thanks to their adaptability and to their space-saving designs - can be easily fixed on either side of the duct.



Example of installation of the JO**NIX** VMC module on distribution plenum.



TECHNICAL FEATURES

Model	JONIX VMC 70MICVMC2C
Plasma generators	2 x type 175
Generators replacement	Every 14000 hours
Generators maintenance	Every 7000 hours
Built-in control electronics	The status of the device can be remotely displayed
Air flow (m^3/h)	500
Dimensions (mm)	160 x 280 x 200
Weight (kg)	3
Type of power supply	230 V / ~1 / 50 Hz
Max absorbed power (W)	10



MADE IN ITALY
Designed and created by expert technicians specialized on air purification.







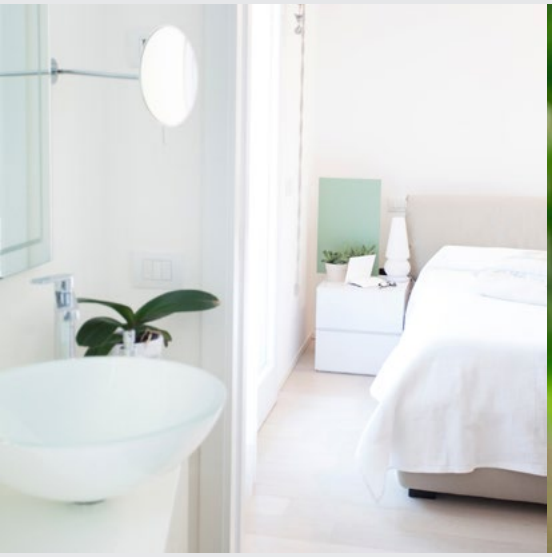
Hallmark for health and living comfort
in confined spaces
(UNI EN 16000- UNI EN14 412).

Validated product
biosafe.it

Reference standards
NATIONAL LAWS AND STANDARDS
Valid for the following categories: Civil, Industrial, and Healthcare sectors
Italian Legislative Decree 81/2008 Consolidated Law on Health and Safety in the Workplace of 10th April 2008 (published in the Ordinary Supplement No. 108 of the Offical Gazette No. 101 of 30th April 20081; Legislative Decree No. 81 was published on 9th April 2008) • Guidelines issued by the Italian Presidency of the Council of Ministers (Permanent Conference for relations between the State and the Regions), Center for disease control and prevention, General Directorate of Health prevention, Dept. II entitled: "Outline of guidelines for the prevention of indoor risk factors for allergies and asthma in schools" of 18th November 2010 • Guidelines issued by the Italian Presidency of the Council of Ministers (Permanent Conference for relations between the State and the Regions), entitled (Outline of Guidelines for the definition of technical protocols for predictive maintenance on air conditioning systems" of 5th October 2006. • Guidelines issued by the Italian Presidency of the Council of Ministers (Permanent Conference for relations between the State and the Regions), "Operating procedure for the appraisal and management of risks connected to the sanitation of air treatment systems" of 7th February 2013 • Guidelines for preventing and controlling legionellosis O. G. No. 103, of 5th May 2000 (Ministry of Health - Permanent Conference for relations between the State, the Regions and the Independent Provinces of Trento and Bolzano) • Guidelines indicating recommendations on legionellosis for managers of tourist and spa facilities of 13th January 2005 (Permanent Conference for relations between the State, the Regions and the independent provinces of Trento and Bolzano) • Guidelines for preventing and controlling legionellosis of 7th May 2015 (Ministry of Health - Permanent Conference for relations between the State, the Regions and the independent Provinces of Trento and Bolzano) • Guidelines issued by the Italian Presidency of the Council of Ministers (Permanent Conference for Relations between the State and the Regions) entitled "Guidelines for the protection and the promotion of health in confined environments and for the prevention and control of legionellosis" of 27th September 2001.

REGIONAL LAWS AND STANDARDS
Valid for the following categories: Civil, Industrial, and Healthcare sectors
Region: Liguria, Law No. 24 of 2nd July 2002 • Region: Puglia, Law No. 45 of 23rd December 2008 "Health provisions." • Region: Emilia Romagna -resolution of the Regional Council No. 1115 of 21st July 2008 "Regional guidelines for monitoring and controlling legionellosis". • Region: Molise – Law No. 15 of 13th July 2011 "Regulations for the prevention of the spreading of infectious diseases". • Guidelines for the prevention and control of legionellosis in Lombardy of 28/02/2005, Directorate-General for Health Decree No. 2907.

Valid for the following categories: Healthcare sector
Regional law of Lombardy No. 33 of 30th December 2009 - New Regional Consolidated laws on health and Implementing Decree No. 1751 dated 24/02/2009 of the Directorate-General for Health of Lombardy.






covid-19


V.O.C.


odours


bacteria


mould


virus

JONIX
pure living

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