

Be Safe

Sanitisation Systems



Be Safe

Sanitisation Systems

Be Safe is a **personal sanitisation device** designed to reduce the bacterial and viral load present on all surfaces of the person that come into contact with the sanitisation fog (clothes, bags, suitcases, glasses, shoes, etc.) designed to make entering environments for significant numbers of people a safe and secure experience. Bergamo, our city, was hit hard by the Coronavirus in the most violent months of the pandemic and precisely to defend our city and better protect our loved ones and our activities, during the difficult period, we started this important project, Be Safe.

Entirely built in AISI 304 L compliant material and designed to be positioned in either internal or external environments, the cabins operate by atomising the sanitising product, completely covering the person and therefore eliminating any residual trace of viruses and bacteria.

Close collaboration with the manufacturer of the sanitising component, **Sanapur**, has made it possible to significantly shorten the time of exposure of individuals to the sanitising mist, by ascertaining that an exposure of 8 to 10 seconds is sufficient to totally eliminate the viral and bacterial load on the person, on surfaces, on objects - including electronic items - and on all materials introduced into the cabin.

Social distancing, facemasks and hand sanitisation have, until now, formed the bedrock of mandatory prevention measures imposed by national governments, but have not been enough to stop the advance of the pandemic by themselves.

Now, Be Safe and Sanapur offer a significant new weapon in the battle against the pandemic and its effects, by allowing much safer access to all venues at which human beings need to gather. Owners and operators of all these venues can significantly accelerate the normalisation of their activities by not only creating much safer environments for their staff, attendees and customers, but also by being seen to do so.

The confidence that comes from a feeling of safety will be a critical factor as people and businesses seek to emerge from the pandemic. Be Safe and Sanapur offer a significant addition to the strategy of any organisation now on this path by bringing us together again - safely.

Be Safe, a new range of products designed to counter the advance of the COVID-19 pandemic





Be Safe Certified Safety

The killing of bacteria / viruses is performed by atomising in cold fog **SANAPUR**.

The sanitisation solution that moistens clothes and objects thanks to the use of ultrasonic nebulizers.

Ultrasonic nebulisers employ a piezoelectric vibrator that generates high frequency vibrations (typically 20 KHz to 1 MHz).

The intense vibrations generate a column of microparticles of dimensions between 0.5 and 2 PM10 which are conveyed to the point of use by a forced ventilation duct.

Compared to other systems, noises due to high pressure pumps /compressors or moving parts are non audible.

SANAPUR is an innovative, non-toxic, natural, completely biodegradable product

The Sanapur molecule, result of an over 10-year study, is based on active oxygen, hypochlorous acid and inorganic oxidants. Thanks to a patented industrial process, it offers a unique global solution. The active ingredient of SANUPUR has been listed in the guidelines of ISS for the fight against Sars-Cov-2 since May 2020. The use of this active ingredient is anticipated in the ISS COVID 19 report - N ° 25/2020 and is recommended by the ISS (Higher Institute of Health).



SANAPUR
EFFICACE PER NATURA

Be Safe

Functionality



Full Body Disinfection

The atomized fog acts on all the surfaces of the person and objects introduced into the cabin.



Thermometry Terminal

Rilevamento Detection of body temperature and mask wears. Interfaceable terminal with access control systems and turnstiles.



SANAPUR, Biocide solution

The SANAPUR spray-dried product is a Biocide, with Medical Surgical Device Registration No. 20787.



Eco-Friendly

SANAPUR, is a non-toxic, completely natural and biodegradable product, fully respecting the environment.



Disabled-Friendly

The base of the cabin, less than 2.5 cm, does not represent an architectural barrier for people with disabilities.



Indoor & Outdoor

Entirely built in stainless steel, it can be positioned without any problem both indoors and outdoors.



WI-FI

Thanks to WI-FI or LAN connection, you can always keep under control the operation of the cabin, the tank levels and have a real-time report of the collected data detected by the thermoscanner



CE Marking

The CE marked product meets all the quality standards imposed by the European Union.



Made in Italy

The product is entirely designed and manufactured in Italy.

Thermometry Terminal



Our cabins can be equipped with a Thermometry Terminal for detecting body temperature. The terminal also recognises also if the person is wearing or not a mask, if the person is not wearing it, the terminal indicate to equip himself with a mask and put it on before proceeding with the sanitisation. The terminal detects extremely accurately the potential skin temperature with a maximum margin of error of $\pm 0.3^{\circ}\text{C}$. The A.I. and thermographic technology allow a correct detection of the target from any angle, up to 1.8 meters away, discriminating any external sources. Consistent with the access policy, it can send abnormal data to a control center or authorize access independently.

Display e Camera: 7" IPS HD 1024x600, 300 CD m2, Camera RGB&AI Dual WDR, sensori Micron AR0230

Interface: RS485, RS232, RJ45, Relè

Languages: arab, french, english, italian, portuguese, russian, spanish, doitch and others

Mask Detection Function: allows you to autherise or prevent the entry of a person who is not wearing a protective mask

Vocal Comands: the thermoscanner directs the user through vocal and visual indications

Facial Recognition speed: < 0.2 sec.

Temperature Detection spees: < 2 sec.

Working Temperature: $-10 \sim 50^{\circ}\text{C}$

Alarm: temperature higher than $37,5^{\circ}\text{C}$

Temperature accuracy: $\pm 0,3^{\circ}\text{C}$

Face archive: 30.000 faces

Protection: IP66

Certificates: CE, FCC, RoHS



Hands Dispenser

Automatic no touch dispenser
0.7 L (also available with
5 lt tank) refillable in
full autonomy.

Sanitising Area

Tempo Person, clothes and objects surfaces sanitising
time $< 10''$.



Be Safe

Step of Use

1

Hands Sanitisation

Approach the cabin and proceed with hands sanitising.

2

Mask and Temperature Control

Wear the mask, look at the thermoscanner (place your face in the green circle that appear on the thermoscanner), wait for the temperature to be detected.

3

People Sanitisation Area

Enter the sanitisation area and wait for the audio and visual signal that indicates the end.

4

Exit

Exit the sanitisation area and proceed in compliance with the provisions in force at the places of access.





Be Safe Strenghts

1

People sanitisation time <10"

2

Tank capacity up to 4.000 people sanitisation

3

Sanitisation cost per person <0,07 Cent.

4

Customizable product

Our References

Our sanitation devices are already in full operation in various facilities both in Italy and abroad, among these we mention the **San Pio Hospital** of Benevento, the **Carisma Retirement Home** Santa Maria Ausiliatrice Foundation in Bergamo, the **ATALANTA BC** football team, **Mazak Italia**, the **Arab American University** in Palestine and others. Two of our sanitation booths were used at the **2021 FIS Alpine Ski World Championships in Cortina** and at the Dalmine **Vaccinal Center**. Next installation on April 19th at **Bergamo Orio al Serio Airport**.

Be Safe

Technical Sheet

Dimension and weight: 1.300 x 1.200 mm, H 2.200 mm, Weight 250 kg

Cabin base: Flat base height 24 mm (optional supply of wheels with brake and ramps)

Constructive material: Inox, AISI 304L- anticorrosion

Electric power supply: Industrial socket 220 V - 50 Hz (optional adapter on request)

Electricity consumption: 30 W in stand by, 300 W in function

Operating temperature: From -10 to 50°C (optional temperatures below -10°C)

Dry Fog Production: Ultrasonic atomization (from 0,5 to 2 PM₁₀)

Noisiness: < 50 dB

Temperature detection: Thermal image Processing ($\pm 0,3^{\circ}\text{C}$)

Temperature detection distance: 20 - 180 cm

Over temperature alarm: Light and Sound

Connectivity: LAN o WIFI

Tank capacity: 50 Lt

Hand gel dispenser: 0,7 l capacity, automatic photocell, disinfectants with different fluidity

Biocide atomized liquid: SANAPUR

Sanitation times: < 10 sec

Sanitations numbers: Be Safe_Full Optional 250/hours; _Basic 400/hours; _Tunnel 1.800/hours

Product Models

Be Safe_Full Optional

Thermoscanner, hand gel dispenser and person sanitising area. 250 people per hour.

Be Safe_Basic

Person sanitising area (optional hand gel dispenser). 400 people per hour.



Be Safe Special Large Users

Be Safe_Tunnel

Designed to meet the needs of places with large influxes of people such as airports, stadiums, events, exhibitions, concerts, etc.

The path consists of a high-precision thermal imaging camera that captures up to 30 people at the same time, two or more hand sanitising devices and a 6 m long sanitising path that allows the continuous flow of people entering during the sanitisation.

The tunnel allows the sanitisation of 1,800 people per hour.

Only one operator will be required to remotely control the camera and access. The operator will be able to control up to 4 thermal imaging cameras at the same time and will intervene only in cases where the thermal imaging camera detects a temperature above the normal. The thermal imager will notify the operator of the face of the person to whom he will have to block access.

Product Model

Be Safe_Tunnel

Thermal imaging camera, hand gel dispenser and person sanitising tunnel.
Starting at 1,800 people per hours.



Be Safe

Albatros Project

After the studies that led to the creation and evolution of our individual sanitation cabin, we gave life to Albatros.

Albatros was born as an extension of the Be Safe range to sanitisation devices for environments to provide 360 ° protection.

The sanitisation machine with its very small size, lends itself well to being used even in difficult places such as the lanes of an aircraft, a train, a subway, a bus or between school desks or in offices without limits of use.

Equipped with two telescopic arms that reach a distance of 4.5 meters, a single operator will be able to sanitise even an aircraft in a short time!

The device, based on the principle of sanitisation by atomisation, allows a homogeneous saturation of the disinfectant solution within the environment and on all surfaces (armchairs, sofas, tables, chairs, desks, counters, etc.), without creating a deposit or generate humidity, thus being perfectly suitable for sanitising electronic equipments (cameras, telephones, printers, faxes, computers, etc.).

W-INGS to Fly Again

Our goal is to provide every possible means to prevent and stop the advance of the current pandemic.

United for an upcoming and safer recovery.



Albatros

Strenghts

1

Lightweight and handy cart

Aluminum structure with swivel castors with brake.

2

Adaptable tubes to any sanitation need

Supplied with two telescopic arms to reach a width of 4.5 meters and two flexible tubes to be used on more complex surfaces.

3

Sanitisation by Atomisation

The SANAPUR sanitising product, atomised in mist, does not moisten the surfaces and is suitable for sanitizing even in the presence of electronic equipment.

4

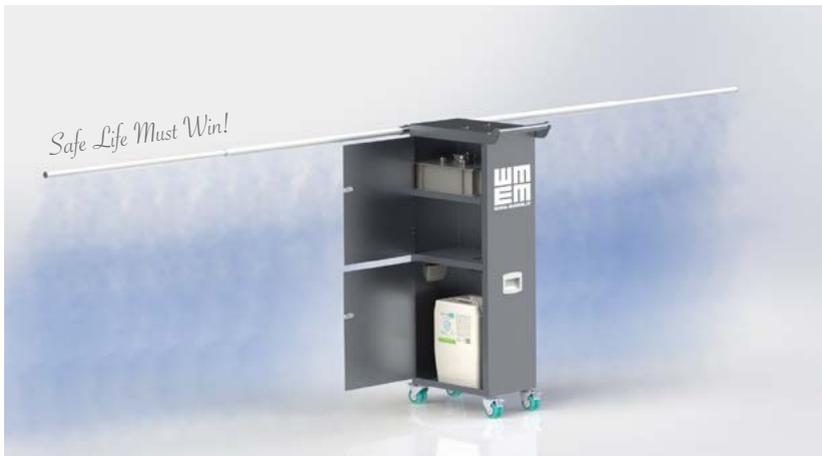
Cordless Charge

Equipped with a rechargeable lithium battery pack, Albatros has a 5-hours guaranteed of operation.

5

No Waste

The product inserted directly into the machine with a 20 liter tank is automatically dosed, eliminating any waste.





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