

# EV SANIX

## System

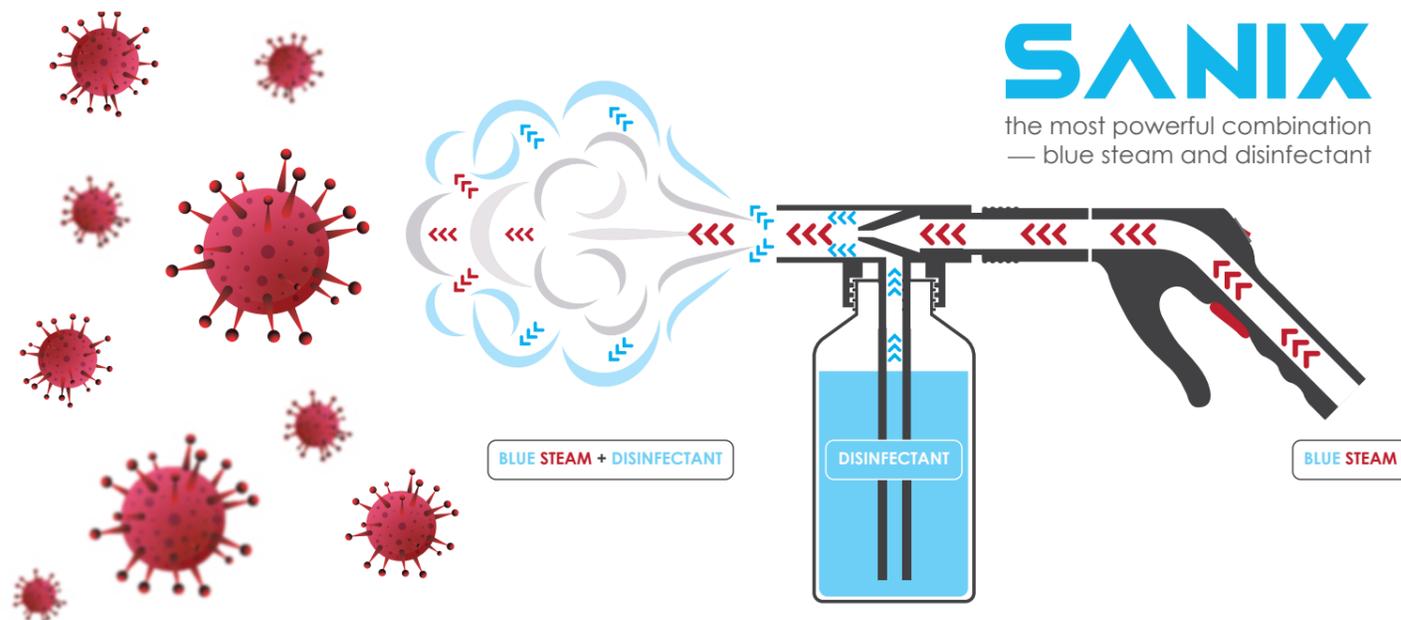


**SANITIZE WITH THE POWER  
OF EV'S DRY STEAM**  
and the fastest thermo  
fogging system



**VIRUCIDAL** system against  
human **CORONAVIRUS 229E**,  
based on the test  
**UNI EN ISO 16777: 2018**





# SANIX

the most powerful combination  
— blue steam and disinfectant

The revolutionary EV SANIX system is based on the Venturi injector module. In this way you can reduce the time for disinfection from hours to seconds. The speed of the steam flow creates suction to the 90° angle attached pipe with restrictor from the EV SANIX bottle. In this way the created vacuum allows the liquid to be injected directly in the steam flow with high speed. The steam mixes together with the liquid and creates a perfect **FOGGING** mixture for spraying on every kind of surfaces.

Depending on the liquid in the EV SANIX bottle, it could be used for AIR sanitation, SURFACE disinfection from bacteria and viruses or even applying EV Clean for shampooing and pretreatment of stained materials.

The EV SANIX System could be used with the EV models : EV 3000i, EV Atlantis and EV Poseidon.

3000i

ATLANTIS

POSEIDON

\*According to the WHO (World Health Organization) and US EPA (United States Environmental Protection Agency) one of the disinfectants that is effective against Novel Coronavirus SARS CoV-2 is based on **Hydrogen Peroxide 0,5%**. It is widely recognized as the world's most eco-friendly disinfectant. Hydrogen Peroxide has no harmful and toxic effects and is safe for humans, animals and the environment. It has superb bactericidal, virucidal and fungicidal properties and numerous applications.

**EV H<sub>2</sub>O<sub>2</sub> Silver Bio** is a combination of hydrogen peroxide and silver ions. Its biodegradable nature makes it effective for both **commercial and home use**. The combination of the antimicrobial silver with the potent oxidizer makes EV H<sub>2</sub>O<sub>2</sub> Silver Bio strong and eco-friendly disinfectant. EV H<sub>2</sub>O<sub>2</sub> Silver Bio is a detergent, suitable for sanitizing all kinds of floors, washable surfaces, equipment and fabrics. **Due to the action of hydrogen peroxide with silver ions it has decontaminating, disinfecting, virucidal, bactericidal, mycobactericidal and fungicidal effect.**

Particularly suitable for sanitation, in catering as well as in hospitals, nursing homes, doctors and dentist offices, gyms, public transportation, theaters and cinemas, hotels and restaurants, schools and kindergartens, shops and supermarkets, etc.

For thermo fogging of surfaces pour 100 ml EV H<sub>2</sub>O<sub>2</sub> Silver Bio and 400 ml water into the EV SANIX bottle supplied with the steam machine.

Silver ions have a toxic effect on virus, bacteria and fungi cells. They denaturize the enzymes of the target cells and inactivate them. On contact with microorganisms, the silver ions start to activate the hydrogen peroxide, this accounts for an excellent disinfection for a long period of time. **The combination of hydrogen peroxide and silver ions makes the EV H<sub>2</sub>O<sub>2</sub> Silver Bio nearly twenty times more powerful than hydrogen peroxide alone, because a great amount of silver ions are involved in the cell destruction process.**

### Advantages of the silver ions in the hydrogen peroxide

- They attach themselves to the surface of the cell membrane, interrupting permeability and metabolic pathways.
- They interact with the membrane surface and penetrate the virus, bacterial or fungi cell membrane.
- They can bind to the DNA, rearrange and destroy its structure inside the microbial cells, preventing further replication.
- They can damage the bacterial cell membrane structure and reduce the activity of some membranous enzymes.
- They destroy further production of enzymes required for cellular metabolism.

**Composed only of water and oxygen**, hydrogen peroxide has been known as the world's safest sanitizer. Like ozone, it is known for killing microorganisms by oxidizing them, its mode of action is best explained as a **controlled burning process**.

### EV H<sub>2</sub>O<sub>2</sub> Silver Bio has many benefits and some of the most important are:

- Effective over a large range of microorganisms.
- Multifunctional sanitation for air, water, soil and surfaces.
- Efficient Fungicide, Antibiotic, Virucide, Nematicide and destroys biofilms.
- Does not emit harmful fumes (unlike chlorine, bromine, formalin and aldehydes).
- Free of carcinogenic aldehydes.
- Eco-friendly, biodegradable, nontoxic, nonpolluting and non-staining in nature.
- Rapid sterilization unlike other traditional methods.
- Silver peroxide works on a short contact time, 1 minute.
- Long lasting disinfection with no toxic residues.
- Does not require rinsing at the end of the application.
- High thermo-stability, non-flammable.

**EV H<sub>2</sub>O<sub>2</sub>**  
SILVER BIO

**DETERGENT, BASED ON  
HYDROGEN PEROXIDE  
AND SILVER IONS**

**CONCENTRATED  
dilution 1 : 5**

1 L

5 L

25 L



Sources:

\* <https://www.who.int/docs/default-source/coronaviruse/laboratory-biosafety-novel-coronavirus-version-1-1.pdf>

\* <https://www.ecri.org/components/HDJournal/Pages/Disinfectant-Concentrations-for-EPA-list-N-COVID-19.aspx?tab=2>

## Top application areas:



**Dilution of EV H<sub>2</sub>O<sub>2</sub> Silver Bio concentrate is 1:5  
(1 part concentrate and 4 equal parts of water)**

**Dilution for one SANIX bottle -**

**100 ml concentrate + 400 ml water.**

1 SANIX bottle covers 150 m<sup>2</sup> / 1614 ft<sup>2</sup>

1 SANIX bottle is 500 ml = 0,5 L

**With one 5 L canister concentrate EV H<sub>2</sub>O<sub>2</sub> Silver Bio diluted 1:5 for use against COVID-19 can be made 25 L of ready to use liquid.**

25 L = 50 SANIX bottles

50 x 150 m<sup>2</sup> = 7500 m<sup>2</sup>

50 x 1614 ft<sup>2</sup> = 80 700 ft<sup>2</sup>

**With one 25 L canister concentrate EV H<sub>2</sub>O<sub>2</sub> Silver Bio diluted 1:5 for use against COVID-19 can be made 125 L of ready to use liquid.**

125 L = 250 SANIX bottles

250 x 150 m<sup>2</sup> = 37 500 m<sup>2</sup>

250 x 1614 ft<sup>2</sup> = 403 500 ft<sup>2</sup>

**Certified by SANA srl laboratory, Italy;  
accredited by ACCREDIA №.0747 and UNI EN  
ISO 17025:2018 standard**