



OXY'PHARM®



100% AUTOMATED

MINIMUM
INFECTIOUS RISK



A new generation of airborne surface disinfection



OUR

PRINCIPLE AND TECHNIQUE

The concept is based on the use of the combination pairing “appliance-product” : Nocospray - Nocolyse

According to CULBERTSON*, infectious risk is based on three parameters :

- The existence of a pathogenic germ (invisible)
- Immune defenses of the individual (variable from person to person)
- The infecting dose (variable from one germ to another, depending on its toxicity, but in any case necessary to defeat immune defenses.)

OXY'PHARM's aim is to reduce the dose of the pathogen to a minimum so that anyone can visit any premises presenting a potential danger with : MINIMUM INFECTIOUS RISK

*CULBERTSON : Swedish microbiologist

SURFACE DISINFECTION VIA AEROSOL (S.D.V.A.) NOCOLYSE PROPULSION

Non-toxic and made up of H_2O_2 , H_2O and $AgNO_3$, plus a surfactant, the disinfecting liquid (Nocolyse) is nebulized to form an aerosol which is then propelled by the Nocospray turbine at 80m/sec and at 37°C.

The size of the particles formed (less than 5µm) in the non-wetting fog ensures a slow and perfectly uniform sedimentation on each cm^2 of the treated premises without humidity or corrosion.

There is no formation of volatile organic compounds due to the rapid decomposition of more than 99% of the fog which leaves nothing behind once it has acted.

AMPLIFYING THE ACTION OF NOCOLYSE

The combination of speed and temperature enables the ionization of the emitted particles and the degradation of the peroxide to create extremely oxidizing free radicals (superoxide ions) with a very short lifetime.

As micro - organisms are very hydrophilic, a nucleation process takes place in which each cell is transformed into a “liquid crystal” of peroxide. This is the notion of “bacterial mist”, each micro - organism contributes to its own destruction.



Examples of contamination on surface

SELF - DESTRUCTION OF BACTERIA

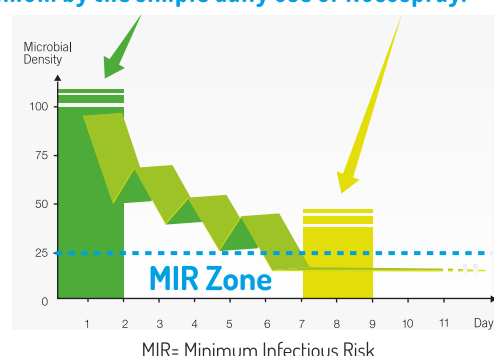
Chlorine is naturally present in micro - organisms and under the action of free radicals it is transformed into active chlorine, destroying the bacteria. The silver atoms which are present in the solution have an effect on the surfaces of the premises treated, inhibiting the growth of newly settled micro - organisms.

Minimum Infectious Risk is obtained after a few days of regular application of the product and maintained at its minimum by the simple daily use of Nocospray.

3 Activities Features



- 1 High Speed Diffusion:**
Concentration of the Nocolyse active principle by desiccation, forming a “dry fog”.
- 2 Ionization of radicals**
Increase of the bactericidal effect.
- 3 Catalytic action of silver atoms**
Increase in Nocolyse's rate of action and its remanence.



OUR CONCEPT

The Oxy'Pharm concept is based on the coupled action of a liquid product (Nocolyse or Oxyppy products range) and a diffusion device (Nocospray or Nocomax devices range) for the treatment of a room air and surfaces.

NOCOSPRAY

 **WEIGHS ONLY 6KG**



treats volumes from 20 to 500 m³

NOCOSPRAY 2

 **WEIGHS ONLY 6KG**



treats volumes from 10 to 1 000 m³



Setting by touch pad

OUR ADVANTAGES



FAST ACTION

3 minutes treatment for a 50 m³ volume & the area can be reused ONLY 30 minutes later.



LIGHTWEIGHT AND COMPACT

The Nocospray is device for processing rooms with volumes of up to 500 m³ and weighs only 6Kg.



FOR DISINFECTION: FULL ACTIVITY SPECTRUM

Bactericidal, virucidal, fungicidal and sporicidal, as per the current standards.



TECHNOLOGY

Patented 1100 watt electric Heating & Ionising turbine which increases the efficacy of product.



IONISING EFFECT

Mist projection of venturi effect upto 15 metres from the appliance at the speed of 80m/s thereby reaching every corner of the room.



ECONOMICAL

Automated system where 1ml of product is sufficient for treating 1m³.



SAFE BIODEGRADABLE & NON CORROSIVE

Non-allergenic products without risk to the environment or to humans.



NORMS

Validated according to several norms, including NF T 72281 standard (2014)



NOCOLYSE

RANGE



The Nocolyse range is a set of biodegradable disinfectant products based on hydrogen peroxide boosted with silver or ascorbic acid.

Used both in medical and pharmaceutical environments, the range has a full spectrum of activity, since it is bactericidal, virucidal, fungicidal and sporicidal, as per current standards.

Diffused by Nocospray, the product becomes a dry gas (particles as small as 5 μ) that allows total, homogeneous and non-corrosive action on all surfaces, even electronic ones. And as it is hydrogen peroxide based and does not contain peracetic acid, it simply degrades into water and oxygen, so that the treatment is odourless and fully biodegradable.

Disinfectants



Nocolyse
Disinfectant
6% hydrogen peroxide



Nocolyse One Shot
Disinfectant for reinforced treatments
12% hydrogen peroxide



Nocolyse Food
Disinfectant treatment for surfaces
coming in contact with food
7.9% hydrogen peroxide

Deodorant product

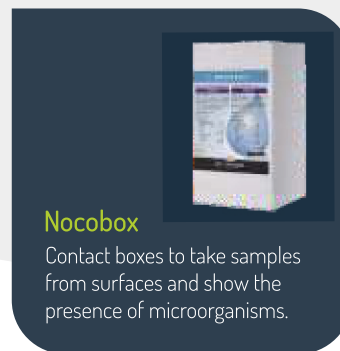


Oxydor
Deodoriser.
Essential oils based product

Quality monitoring kit



Nocotest
Colorimetric strips to check that the product has been distributed evenly within the treated room.



Nocobox
Contact boxes to take samples from surfaces and show the presence of microorganisms.

Before



After



OXYPY RANGE



The Oxyphy range is a fully effective group of insecticides that act against all flying and crawling pests. It eradicates scabies, dust mites and bed bugs.

The action of Oxyphy has been designed not only to be sustainable over time, but also to have a flash effect for immediate treatment. The coupled action of natural pyrethrins and permethrin works on both larvae and adult insects.

Diffused by Nocospray, it treats all surfaces of a room automatically, thereby optimizing the cost of the insecticide treatment.

Insecticides



Oxyphy
Treatment for flying
and crawling insects



Moxy
Mosquito repellent
treatment



Oxyphy +
Specific treatment
for bed bugs, larvicidal

OUR ACCESSORIES



Wall mounted Nocospray IS

Fixed on the wall of the room to be treated, no need for concern about the device positioning.



Wall mounted Nocospray OS

Fixed on the wall, it enables the treatment of a room from the outside thanks to a wall-crossing system.



Spraying gun

Attached to a Nocospray thanks to a flexible hose, the spraying gun treats areas difficult to access (ventilation ducts...)



Wall-crossing system

To disinfect a room without entering it, the wall-crossing system is particularly adapted to vehicles and white rooms.



Traceability

The traceability system connects the Nocospray to a computer thanks to a USB cable, to record all treatments

OUR

AREAS OF APPLICATION

Hospitals & Clinics (OT Rooms, Equipments & Premises) | **Medical Consulting Rooms** (Doctors/Dentists) | **Laboratories** | **Hotels & Spas** | **Malls, Cinema Halls & Food Courts** | **Transportation** (Sea, Rail & Road including cars) | **Horse Stables, Poultry Farms & Vet Clinics** | **Pharmaceutical Industry** (Other Industries for Clean Rooms, etc)



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