

Become our partner!

Tested and authorized in Germany

 **HYGIENE NORD GMBH**
MICROBIOLOGICAL TESTING

baa:

Bundesanstalt für Arbeitsschutz
und Arbeitsmedizin

Discover the NebuloX Full-spectrum Automated Disinfection System



Nebulizer



Disinfecting solution



Real-time
monitoring software

Up to **Log7** with only **0.5 ml/m³**

NEBULO X
V3.0

RTU PAA
Disinfecting solution

The highest pathogen reduction with the lowest amount of solution

As certified by The Federal Institute for Occupational Safety and Health (Bundesanstalt für Arbeitsschutz und Arbeitsmedizin, BAuA), the upgraded NebuloX V3.0 system is compliant with the requirements applied to the entire pathogen spectrum of EN17272:2020, and has been proven to achieve up to log7 high-level disinfection with the lowest amount of solution (0.5 ml/m3).

Web app for real-time monitoring and traceability

The upgraded NebuloX V3.0 system collects, stores, and analyzes parameters related to the disinfection process – such as users, timestamps, locations, solutions, volumes, humidity, temperature, dew point, etc. – and provides real-time monitoring, reporting, and alerts on any device connected to the Internet.

Web app accessible from
computer, tablet or smartphone



Nebulizer



EAG
Laboratories



⊕ Up to Log7 pathogen reduction with only 0.5 ml/m³

⊕ Effective against full-spectrum pathogens

⊕ EN17272:2020-compliant

⊕ Fully automated plug-and-play disinfection system

⊕ No special training required

⊕ No chemical residues

⊕ Proven compatibility with most types of materials from medical facilities

⊕ Optional extra sensors for additional personalization

⊕ Shock-resistant and durable

⊕ Easy-to-use app for real-time monitoring and reporting

⊕ Scalable to organizational level

⊕ Authorized for use in the German market

⊕ Pending authorization in other European countries

NEBULO X
v3.0

NebuloX V3.0 Disinfection System

The nebulizer and the disinfecting solution are mounted on a lightweight, compact trolley, the entire system being easy to operate without any special training.

The data stored by the equipment is synchronized with our web application, which allows authorized users to generate reports and receive notifications and alerts, for seamless and accurate real-time monitoring and comprehensive traceability.

Efficiency and compliance

- EN 17272:2000 compliant
- Up to Log7 pathogen reduction with only 0.5 ml/m3 consumption

Security, traceability, and control

- RFID interface: authenticates parameters such as users, timestamps, locations, solutions, room volumes, and more.
- Physical tamper protection system: detects unauthorized opening of the case, ensuring that all the components are operational.
- Real-time air composition check.
- Safety shut-off: checks for volatile, hazardous compounds.
- Web application: provides for real-time monitoring and reports.

Eco-friendly

- No chemical residue.
- Highly efficient biocide formula that minimizes medical waste.
- Safe for personnel and for the environment.

The enhanced V3.0 model includes improvements in the preservation and dosage of the disinfecting solution. The solution is housed in a designated adjacent slot, shielding it from potential heat generated by the operating machine, while the dosage system regulates both volumetric and mass flow rates.



Up to **Log7** with only **0.5 ml/m³**

Equipment specifications

Nebulizer:

- 270 mm x 300 mm x 330 mm.
- 6.3 kg powder coated aluminum casing or 11.4 kg stainless steel casing.
- durable, shock-resistant.

Trolley with dual support:

- Size: 600 mm x 400 mm x 1000 mm.
- Weight: 6.5 kg.

Power requirements

- 10 A @ 240 V 50 Hz .
- 20 A @ 120 V 60 Hz.

Maximum treatment volume

- 500 cubic meter per procedure.

Turbine

- High-performance centrifugal turbine with a peak power of 1750 W @ 240 V.

Dosage system

- High precision, electronically controlled peristaltic pump.
- Incorporated high-accuracy scale for quantity measurement and control.

Sensors

- Temperature and humidity sensors.
- Volatile compounds + CO2 sensor.
- Honeywell laser diffraction particle size counter (optional).
- Vaisala hydrogen peroxide concentration sensor (optional).
- Option to install additional sensors for specific environment measurements and fine-tunings.

User interface

- 5" LCD color touchscreen interface.

Communications

- USB interface: for software updates, diagnostics, data download and analysis of the operating parameters.
- WIFI – BLE – LTE Modem.



NEBULO X
V3.0

NebuloX Air RTU PAA Disinfecting Solution

Our ready-to-use disinfectant provides high-level airborne room disinfection in public buildings including medical facilities, veterinary clinics, farms, food industry settings, and agriculture units, covering TP2, TP3, and TP4 areas of utilization.

Compatibility tests conducted at Eurofins EAG Materials Science in the Netherlands demonstrate that our formulation is safe for most materials commonly found in these environments, including metals, plastics, and electronic components.

Furthermore, our highly efficient biocide formula leaves no chemical residues and is completely safe for personnel and the environment.

Category

- Chemical disinfectants and antiseptics.

Group

- 1 - Disinfectants, not intended for direct application to humans or animals.

Type of product

- TP2, TP3, TP4.

Usage

- Airborne room disinfection.
- To be used only with the NebuloX V3.0 nebulizing machine.

Active substance

- Hydrogen Peroxide (CAS 7722-84-1; EC 231-765-0).
- Peracetic Acid (CAS 79-21-0; EC 201-186-8).
- Didecyldimethylammonium chloride (DDAC (C8-10)) (68424-95-3).

Nebulization process

- With NebuloX V3.0 fogger, approx. 500 cubic meter / process / fogger.

Conditioning

- Ready to use.

Packages

- 1 liter bottle, box containing 6 x 1 liter bottle with sealed, valve-equipped cap.

Storage

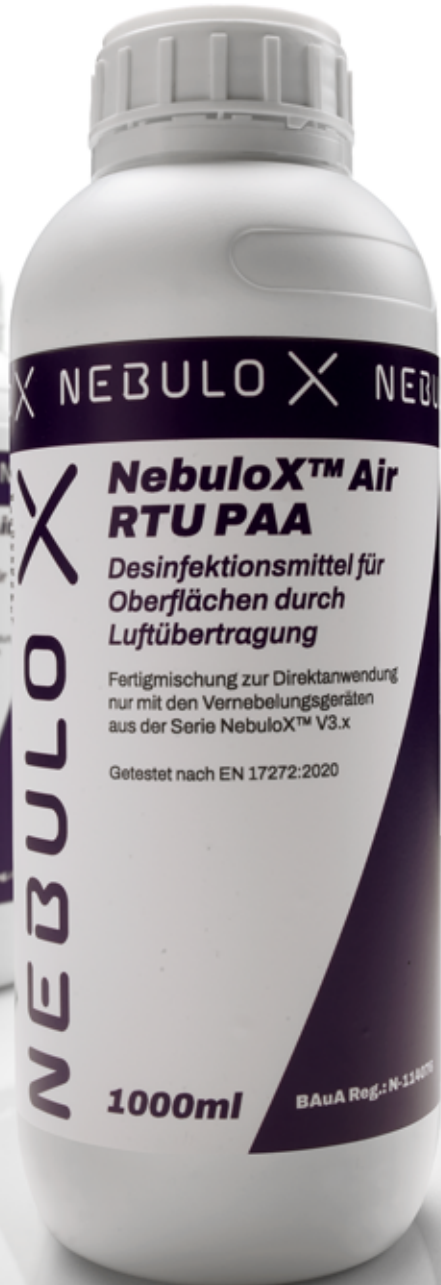
- 5 - 25°C, in ventilated room, avoiding sun exposure.

Expiration (under the above specified storage conditions):

- 12 months from manufacturing date (sealed); 30 days from opening .



Pathogen Efficiency Tests



Test	Organism	Concentration	Contact time	Result	Standard
Nebulization Tests TP2+TP4 (Medical, Professional, Food)					
BACTERICIDE	S. aureus ATCC 6538 E. hirae ATCC 10541 E. coli ATCC 10536 A. baumannii ATCC 19606	0.5 ml/mc	120min	LOG 5.68* LOG 5.72* LOG 5.44* LOG 5.77*	17272
DISTRIBUTION	S. aureus ATCC 6538	0.5 ml/mc	120min	LOG 6.29* LOG 6.20* LOG 5.46 LOG 6.17* LOG 7.10* LOG 7.40* LOG 6.29* LOG 7.40*	17272
SPORICIDE	B. spizizenii (fost subtilis) ATCC 6633	0.5 ml/mc	120min	LOG 4.16	17272
VIRUCIDE	Adenovirus Norovirus	0.5 ml/mc	120min	LOG 4.06 LOG 4.19	17272
YEASTICIDAL	Candida Albicans	0.5 ml/mc	120min	LOG 4.84	17272
YEASTICIDAL	Candida Auris	0.5 ml/mc	120min	LOG 4.09	17272
BACTERICIDE	P. Aeruginosa	0.5 ml/mc	120min	LOG 5.55*	17272
MYCOBACTERICIDE	M. Terrae M. Avium	0.5 ml/mc	120min	LOG 5.21 LOG 4.72	17272
Suspension Tests					
BACTERICIDE	S. aureus ATCC 6538 E. hirae ATCC 10541 P. Aeruginosa ATCC15442	1% 1% 1%	1min 1min 1min	LOG 5.44 LOG 5.25 LOG 5.23	13727:2015
FUNGICIDE YEASTICIDAL	Candida Albicans Aspergillus brasiliensis	1% 10%	1min 1min	LOG 4.24 LOG 4.07	13624:2021
SOPRICIDE	Bacillus subtilis ATCC6633 Bacillus cereus cip 105151	10% 50%	1min 1min	LOG 5.34 LOG 5.34	17126:2019
Nebulization Tests TP3 (Veterinary)					
BACTERICIDE	S. aureus ATCC 6538 E. hirae ATCC 10541 P. Aeruginosa ATCC 15442 P. hauseri ATCC 13315	0.5 ml/mc	120min	LOG 7.27* LOG 6.82* LOG 6.99* LOG 6.13*	17272
FUNGICIDE YEASTICIDAL	Candida Albicans ATCC 10231 Aspergillus brasiliensis ATCC 16404	0.5 ml/mc	120min	LOG 5.96* LOG 5.37*	17272
MYCOBACTERICIDE	M. Avium	0.5 ml/mc	120min	LOG 6.38*	17272
VIRUCIDE	African Swine Feaver Surrogate	0.5 ml/mc	120min	LOG 4.06*	17272

How to partner with us

We are open to collaborating with our partners through various business models, tailored to specific client and project requirements.

Whether our partners are distributors or disinfection service providers, with NebuloX they can offer flexible and reliable solutions.

Options range from direct sales of the complete system (nebulizer and disinfectant) to equipment leasing and monthly subscriptions for disinfectant orders based on pre-determined volumes or pay-per-volume.

NebuloX is open to long-term partnerships in which we can jointly invest in extending our portfolio and market.

Contact us for more information

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Application sectors

🏥 Medical and healthcare

🐾 Veterinary, animal science

🌞 Agriculture, farming and food industry

🏭 Industrial, residential and institutional facility management

🏠 Disaster recovery/mold remediation

🦟 Pest control, crime scene decontamination

✈️ Transportation

