



TECNOLOGIE ELETTRONICHE AVANZATE
TECHNOLOGIES FOR SANIFICATION

presents:

DEFENDER 1000



Central unit with double jet of ozone and control panel with display

App working on
Smartphone and
tablet certify and
manage sanitation,
Downloadable on
playstore



External sensor for a
certified and
complete
sanitization

Synergy with:



Air purifier

In collaboration with:



JOINT LAB
ozone
PLANT HEALTH
DAGRI University of Florence

2021 

DEFENDER 1000



Defender is a professional sanitization system for any environment, based on the ozone use, which thanks to the advanced technology in the system, is obtained in complete safety, directly from oxygen through a method that in physics is called "corona effect"

ACTIVITIES / OPERATION

Biocidal and antiallergic action:

Diffuses ozone in the environment by eliminating any type of bacteria, viruses, molds, mites, fungi, etc; significantly lowering the risk of infections and allergies.



Anti-odor action:

Eliminates 99% of unpleasant odors: fried, grilled, sweat, cigarette smoke, etc. The individual results may vary depending on the actual conditions of use.

Environments to be sanitized:

Any venue: shops, hotels, supermarkets, offices, museums, cinemas and theaters, homes, etc.



Defender brings ozone into our daily lives and solves problems in a simple and natural way, by replacing obsolete sanitation technologies that are harmful to people and the environment.

Defender is not only an environment friend but also a wallet friend. It allows you to take advantage of tax bonuses and deductions for the sanitation of work environments.



MADE

IN

ITALY

Defender was born in collaboration with our national research council (**CNR**) and is a proudly **Made in Italy** product.

DEFENDER 1000

Ozone (O₃) is simply an oxygen compound, known especially in the range that , in the stratosphere, protects the Earth from the sun UV rays. It is a natural gas, therefore it has always protected us and is a natural biocide with a great oxidizing power, capable of eliminating and inactivating up to 99.98% of the microorganisms present in the environment (such as bacteria, viruses, spore molds, etc,etc ..)



PRODUCT SPECIFICATIONS

Thanks to the high technology of the external sensors, located in the rooms that need to be sanitized and connected to the main unit, Defender reaches the most remote corners of the rooms, constantly regulating the ozone concentration necessary for sanitization, as required by the Ministry of Health (protocol n ° 24482 of 31/07/1996) for the sterilization of environments contaminated by bacteria, viruses, spores, etc, etc... and by the Ministry of Health CNSA of 21/10/2010 for the treatment of air and water, also generating a certification report, as required from the current legislation.

Through the control console or the appropriate App it will be possible to manage and program the device, with program start or direct command.



DEFENDER 1000

Il pannello frontale, dotato di un display LCD Fornisce indicazioni chiare e precise sulle funzioni (sanificazione, tempo di sicurezza, programmazione), avverte riguardo la salubrità dell'ambiente semplicemente colorandosi o meno di rosso.

Defender 2020 può essere programmato per effettuare sanificazioni ad intervalli regolari (ad esempio, tutti i giorni alle 00:00) o per iniziare immediatamente una nuova operazione; tale programmazione può essere effettuata sia dal pannello di controllo della macchina che da smartphone/tablet tramite una nostra App dedicata, in modo da esaudire qualsiasi esigenza o necessità.



Qualora qualcuno entrasse nell'ambiente durante la sanificazione, cosa che non è permessa, la macchina interromperebbe subito l'operazione, avvisando visivamente, con il lampeggiare del display, e acusticamente dell'anomalia, oltre a segnalarela tramite l' App ai dispositivi connessi.

SERVIZI

Il Laboratorio congiunto Ozone Plant Health è composto dal Università di Firenze, il Consiglio Nazionale delle Ricerche e TEA Group.



OZONE IN THE WORLD

The Health Ministry with the July 31, 1996 protocol No. 24482, recognized the ozone use in the air and water treatment, as a natural aid for the sterilization of bacteria, viruses, spores, mold and mites contaminated environment.



The 16 May 2003 Directive 2001/40 / EC of the EFSA commission authorizes the ozone use for disinfection and sterilization during water bottling processes.



The FDA (Food & Drugs Administration), the USDA (U.S. Department of Agriculture) and the EPA (Environmental Protection Agency) have approved ozone as a "GRAS" antimicrobial agent. The USDA and the National Organic Program have also approved it as an active ingredient for the sanitization of surfaces (plastic and stainless steel) in direct contact with food without the need for rinsing and with no chemical residue.



On October 27, 2010, the CNSA (Food Safety Committee), responsible member of the Health Ministry, expressed a positive opinion on the air treatment with ozone in cheese aging environments.



Technical Data

- Supply voltage : 230 VAC
- Absorption : 240W
- Ozone Generation : 22.500 ppm/h
- Dimensions : H=18cm W=45cm D=32cm
- Weight = 3,7 Kg
- Suitable for rooms up to 1000 square meters

Package contents

- n.1 Central Unity
- n.1 Power cord
- n.1 External sensor system
- n.1 User manual and warranty
- n.1 Sanitizing adhesive
- n.1 App



Sistema di Gestione
Qualità certificato
UNI EN ISO 9001: 2015
N° 3901189




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