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# SanXTwin

Ultrasonic nebulizer and ozone generator for the sanitation of the passenger compartment of the vehicle and public and private environments.



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SAN X



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# SanXTwin / ULTRASONIC NEBULIZER AND OZONE GENERATOR

Proxind boasts over 20 years of experience in sanitizing ultrasonic nebulizers, and over 15 years of experience in sanitizing ozone generators.

**SanXTwin** by Proxind is a machine for vehicle sanitizing, specifically designed for companies producing sanitizing liquid and more. In fact, Proxind nebulizer and ozone generator was designed for garages, car dealers, car rental companies, taxi and transport companies, which can thus offer a sanitizing service to their customers and operators.

Proxind's innovation lies in combining two sanitation functions, usually performed by two separate machines, into one convenient, unique, portable and fully automatic device.

For its ultrasonic nebulizing process, **SanXTwin** uses disinfectant liquids that contain active ingredients, which act against bacteria, viruses, spores and fungi in air conditioners and areas of the vehicle not normally accessible for cleaning.

The ozonation process is mainly used to eliminate bad smells from the dashboard.

## ADVANTAGES

### + FULLY CUSTOMIZABLE



Private label customization



Custom design of the outer structure



Personalization with coating polyester sticker with colors and logo/brand



Your brand will always be clearly visible

### + QUALITY COMPONENTS MADE IN ITALY

**SanXTwin** by Proxind is made in Italy with top quality Italian components, which guarantee great reliability over time.

### + EASY TO USE



Intuitive and fully automatic



Easy to use even by non-expert personnel



Only three buttons control power on, power off and treatment time



The user is guided through an easy and intuitive display menu

### + PROFESSIONAL TREATMENT

**SanXTwin** by Proxind allows a more effective and professional treatment than classic sanitizing spray thanks to the ultrasonic nebulizing process and ozone generation.

### + PORTABLE

Thanks to its small size, it can be easily transported and placed inside the vehicle where the sanitizing process is necessary.

### + INNOVATIVE CHARACTERISTICS



Graphic display with three buttons to programme duration, start intervals, pause, restart and end of both treatments. Furthermore, it allows the setting of the quantity of sanitizing liquid to nebulize and ozone to generate



Ozone measurement sensor (optional) that, differently from other sensors on the market, allows ozone measurement at any time thanks to its internal battery, which can usually last up to about two years



36Vdc ultrasonic disks, which are more performing than 12Vdc disks usually used by other producers



New hydrostatic level sensor, which detects the liquid level based on the related pressure, thus allowing a constant and real measurement of the liquid in the ultrasonic nebulizer tank from the display



Bluetooth pairing (optional) to smartphones, tablets and PCs, which allows the notification of the start, restart and end of the treatment, as well as of the level of liquid in the tank

# Proxind Informs

## Supplement your spray cans with a more professional treatment

Conventional sanitizing sprays form heavy sanitizing liquid droplets that cannot spread throughout the cabin, the A/C system and the environment as they quickly fall to the ground due to their weight. Conversely, **SanXTwin** ultrasonic nebulizer, which oscillates at a frequency of 1.7 MHz, transforms the sanitizing liquid at room temperature into particles of less than 5 microns, light enough to spread into the whole A/C system, including air ducts and intakes, inside the vehicle or on all the surfaces of the environment to be sanitized.

In this way, bacteria, spores and fungi are prevented from growing on the air conditioner evaporator and bad smells are eliminated. As this process takes place at room temperature, condensation generated by the difference between the temperature of the surface to sanitize and that of the liquid nebulized does not form. Proxind can also supply a specific liquid for **SanXTwin**, with excellent bactericidal activity certified by the University of Modena and Reggio Emilia, Department of Public Health Science, Italy.

## Ozone is the key!

**SanXTwin** also allows the ozonation of vehicle dashboards. Ozone is a natural gas, recognized as a sanitizer, which acts with its disinfectant action on water, air, surfaces and fabrics.

Ozone works according to the principle of oxidation: when the ozone molecule (O<sub>3</sub>) comes into contact with something "oxidizable", the extra oxygen atom (O) released by the ozone molecule binds with it, oxidizing it. This is because ozone is a highly unstable element and tends to return to its initial form of oxygen (O<sub>2</sub>), releasing an atom of oxygen (O). Therefore, at the end, what remains are only molecules of oxygen (O<sub>2</sub>).

In particular, ozone can oxidize the molecules that make up odors and microorganisms such as viruses, molds, spores and bacteria. The process through which ozone is produced is called 'Corona Discharge'.

The ITALIAN MINISTRY OF HEALTH Prot. n.24482 31/07/1996 recognizes the use of ozone in the treatment of air and water, as a natural aid for the sterilization of environments contaminated by bacteria, viruses, spores, molds and mites.

The ITALIAN MINISTRY OF HEALTH CNSA 27/10/2010 recognizes ozone as a disinfectant and exterminator in the treatment of air and water.

## AUTOMATIC AND INTUITIVE OPERATION

Proxind nebulizer and ozone generator allows a single treatment, either nebulizing or ozonation process, or both, in the chosen order. For the nebulizing treatment, it is necessary to pour a suitable sanitizing liquid into the machine tank, while the ozonation treatment does not need any liquid.

**SanXTwin** by Proxind features different operating phases:

### > Nebulizing treatment:

- 1 Fill out the ultrasonic nebulizer tank with the sanitizing liquid to nebulize.
- 2 Connect the ozone generator into the cigarette lighter socket after placing it on the passenger side floor mat of the vehicle you wish to sanitize.
- 3 Select the nebulizing function on the display, set the treatment time and confirm to start the process. The ultrasonic nebulizer will start nebulizing the sanitizing liquid. The particles formed through the ultrasonic nebulizing process will fill the air and homogeneously spread throughout the passenger compartment of the vehicle (seats, mats, dashboard, steering wheel and A/C system) ensuring an effective sanitizing action.
- 4 The sanitizing process ends when the sanitizing liquid reaches the minimum level indicated by the level sensor when the timer inside the nebulizer expires, or when the liquid reaches the selected quantity of liquid.
- 5 At the end of the sanitizing process, ventilating the passenger compartment or the rooms for a few minutes is advisable; then, the vehicle can be returned to the client in complete safety.

### > Ozonation treatment:

- 1 Plug the ozone generator into the cigarette lighter socket after placing it on the car mat on the passenger side of the vehicle you wish to sanitize.
- 2 Select the ozonation function on the display, set the treatment time and confirm to start the process. The ozone generator will transform the oxygen in the dashboard into ozone, which will eliminate mildew, fungi, viruses, spores and bacteria from the air conditioner as well.
- 3 The sanitizing process will end once the time set on the timer inside the ozonizer expires.
- 4 Once the sanitizing process is complete, it is suggested to air out the interior of the vehicle for 10/15 minutes; then the vehicle can be returned to the client in complete safety.

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SPECIFICATIONS	TECHNICAL DATA
Dimensions of standard model:	295 x 150 x 220 mm (W x H x D)
Weight of standard model:	2.50 Kg
Power supply:	<ul style="list-style-type: none"><li>• 12 Vdc - from cigarette lighter socket with special power cord</li><li>• 230 VAC - with 230 VAC/12 Vdc - 75 W commercial-type external power supply (optional)</li></ul>
Absorbed current:	6 A
Outer structure material:	Stainless steel
Working temperature:	from 0° to +40° C
Display:	128 x 64 pixel monochromatic graphic display
Board:	Electronic board with microcontroller
Bluetooth connection (optional):	Smartphones, tablets and PCs, which allows to receive notifications about the sanitization treatment

SPECIFICATIONS	ULTRASONIC NEBULIZER TECHNICAL DATA
Ultrasonic nebulizer frequency:	1.7 MHz
Tank:	0.40 litres with hydrostatic level sensor - nebulizing liquid tank capacity
Treatment time:	about 12 min with 100 ml of water at 20 ° C

SPECIFICATIONS	OZONE GENERATOR TECHNICAL DATA
Ozone production:	200 mg/h (with pure oxygen)
Ozone generator:	Corona Discharge with ceramic plate
Treatment time:	15 min (5m <sup>3</sup> ), 30 min (10m <sup>3</sup> ), 45 min (15m <sup>3</sup> ), 60 min (20m <sup>3</sup> )
Ozone measurement sensor:	Battery-heated (optional)