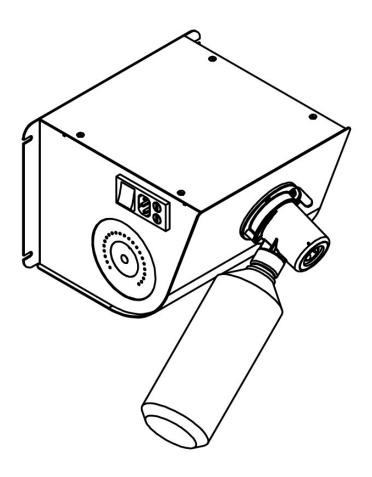


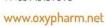
# WALL-MOUNTED NOCOSPRAY® 2



IMP-PX-200 10/11/2017 Version D

#### **OXY'PHARM**

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### I. INTRODUCTION

### I.1. General information

This user manual described the functioning of the NOCOSPRAY® 2 diffuser and involve essentials information ensuring the safe use.

The documentation is valid to the extent that the customer has not made any changes to the product.

Peruse this manual before any use of the NOCOSPRAY® 2 diffuser. It was written to ensure you master all functionalities.

### I.2. Classification / Regulation

Electric classification: Class I

### I.3. Warranty

The warranty certificate should be submitted to the dealer or to OXY'PHARM company, Z.A des Grands Godets, 829 rue Marcel Paul, 94500 Champigny sur Marne, France - to justify the warranty.

#### **1.3.1.** Clause

The following provisions are not exclusive to the benefit of the legal warranty provided by articles 1641 and following of the Civil code, relative to hidden defects.

#### I.3.2. Purpose

The warranty consists in the free supply of the parts recognized as defective by our technical services.

Repairs required as a result of a false manipulation, abnormal use, negligence or overload of the device, as well as those required by the variations of the electrical network, surges or faulty facilities, etc... cannot be taken under warranty.

In addition, if an abnormal corrosion of flexible parts, hose, seals... was found meaning the use of another liquid, the warranty would also be void.

#### I.3.3. Transport

The device travels at risk of the user: in case of damage during transport, the recipient must file a claim with the carrier before accepting delivery of the device.

The device must be stored in a dry place and transported in its original packaging.

#### I.3.4. Duration

The NOCOSPRAY® 2 diffuser is guaranteed for a period of 2 years, from date of invoice.

### I.4. Technical characteristics

Voltage: 230V mono 115V mono Power: 1000W 1000W 50 à 60 Hertz 50 à 60 Hertz Frequency: 9A

Nominal intensity: 4,5A

Weight: 5,9Kg

Package weight: 8,3Kg

Compatible bottle: 1 Litre

Maximum room volume to be treated: 1000m<sup>3</sup> Average flow of the liquid: 1000 ml/h

**Environmental conditions:** 

#### In condition of use:

- Temperature between 0°C and 40°C
- Ambient humidity between 10% and 90%
- Atmospheric pressure of 800 to 1060 hPa

#### Transport and storage conditions:

- Temperature between 0°C and 70°C
- Ambient humidity between 10% and 95%
- Atmospheric pressure of 700 to 1060 hPa

### PRECAUTIONS FOR USE

The manufacturer responsibility could under no circumstances be engaged for all material or corporal incident as a result of abnormal or faulty use of the device, opposing to recommended precautions in the none limitative list below:



Use only with OXY'PHARM product

- EM device modification is forbidden.
- To avoid risk of electric shock, this device must only be connected to a supply main with protective earth.
- Make sure that electric power matches regular standards.
- Hand-held RF communication devices may affect EM devices.
- This device may only use by professionals. According to requirements of norm NF EN 60601-1, it may cause radio interference and disturb operation of devices located close to the equipment.



- The use of accessories, transducers and wired other than those specified, with the exception of equipment sold by OXY'PHARM as replacement parts for internal components, may result in increased emissions or decreased immunity of the device.
- The device cannot be used close to other devices or piled. In case this is not possible, check the normal operating in configuration which it will be used.
- Never fill the bottles otherwise than with the product of the OXY'PHARM range.
- Do not introduce any object or liquid in the nose of NOCOSPRAY® 2.
- Check presence of nozzle and nozzle holder (cf. n°2 §III.1).
- Remove the bottle from NOCOSPRAY® 2 for transportation.
- Any intervention must be carried out by staff trained on the system.

### **II.1. Safety instructions**

The device diffuses a chemical substance and makes an important sound power, therefore it is necessary to pay attention to following recommendations.

#### **IMPORTANT RECOMMENDATIONS**



- Use only with NOCOTECH products.



- Always consult the accompanying documents.



- For indoor use only.



- Do not inhale the product.



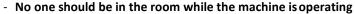
- Do not direct the spray toward an incandescent source.

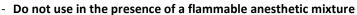


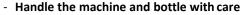
- Do not smoke close to the device.

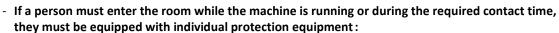


- Grounded connections.





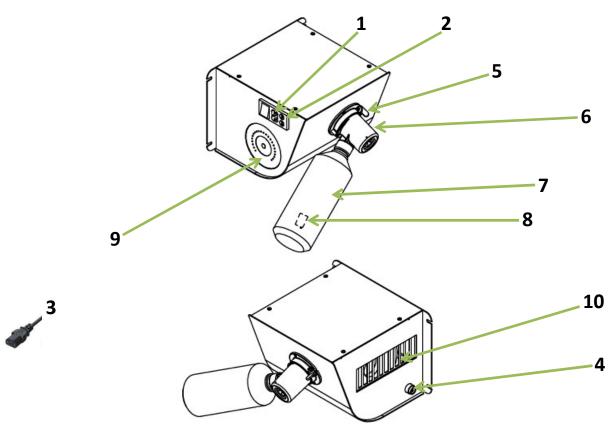




- O Noise-cancelling headphones.
- o Independent respirator.
- o Hydrogen peroxide resistant personal protective equipment.
- The individual should exit the room and seal it again as soon aspossible.

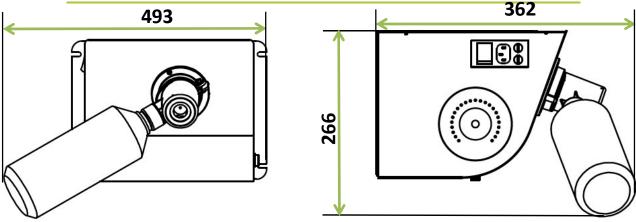
### III. DESCRIPTION

### III.1. Wall-mounted NOCOSPRAY® 2 description



1	Main switch	6	Nose of the diffuser (venturi)
2	Fuses (5x20 10 ampères T)	7	Bottle
3	Power cable	8	Nozzle and nozzle holder
4	USB tracking	9	Control board
5	Nose diffuser button	10	Filtering foam

## III.2. Wall-mounted NOCOSPRAY® 2 dimensions



### IV. INSTRUCTIONS FOR USE

### IV.1. Positioning of the device

The NOCOSPRAY® 2 must be placed on a hard and flat surface and if possible in a corner of the room to treat.

#### IMPORTANT RECOMMENDATION

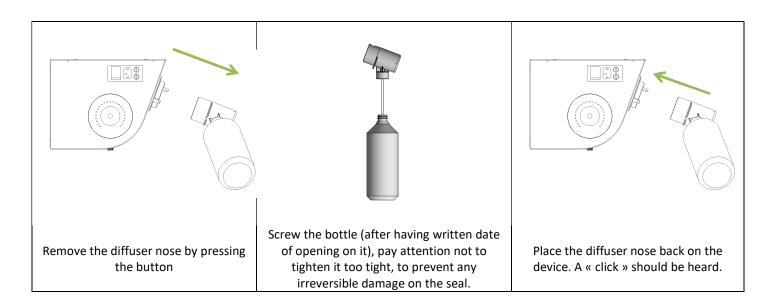


Before starting a cycle, check that there is no obstacle to less than 2 meters from the device.

### IV.2. <u>Installation of the bottle</u>

1

Follow instructions below to install the bottle.



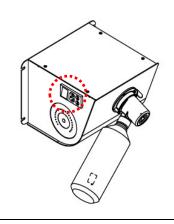
Always check if the bottle contains enough product for the treatment (the device will not indicate whether there is sufficient liquid)

### IV.3. <u>Diffusion duration and consumption</u>

<u>Volume (m³)</u>	Consumption (ml)	<u>Duration of diffusion</u>
10	10	36 seconds
15	15	54 seconds
20	20	1 minute & 12 seconds
25	25	1 minute & 30 seconds
30	30	1 minute & 48 seconds
35	35	2 minutes & 6 seconds
40	40	2 minutes & 24 seconds
45	45	2 minutes & 42 seconds
50	50	3 minutes
62.5	62.5	3 minutes & 45 seconds
75	75	4 minutes & 30 seconds
87.5	87.5	5 minutes & 15 seconds
100	100	6 minutes
112.5	112.5	6 minutes & 45 seconds
125	125	7 minutes & 30 seconds
137.5	137.5	8 minutes & 15 seconds
150	150	9 minutes
162.5	162.5	9 minutes & 45 seconds
175	175	10 minutes & 30 seconds
187.5	187.5	11 minutes & 15 seconds
200	200	12 minutes
225	225	13 minutes & 30 seconds
250	250	15 minutes
275	275	16 minutes & 30 seconds
300	300	18 minutes
325	325	19 minutes & 30 seconds
350	350	21 minutes
375	375	22 minutes & 30 seconds
400	400	24 minutes
425	425	25 minutes & 30 seconds
450	450	27 minutes
475	475	28 minutes & 30 seconds
500	500	30 minutes
525	525	31 minutes & 30 seconds
550	550	33 minutes
575	575	34 minutes & 30 seconds
600	600	36 minutes
650	650	39 minutes
700	700	42 minutes
750	750	45 minutes
800	800	48 minutes
850	850	51 minutes
900	900	54 minutes
950	950	57 minutes
1000	1000	1 hour

### IV.4. Functioning in standard mode

#### IV.4.1. Use without remote control



Connect the power cable and put the main switch on « I » (The light switches on)



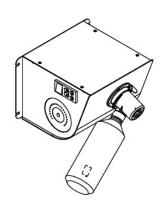
Select the volume by dragging your finger on the clear part of the touchpad. (The range is between 10m³ and 1000m³)



The light indicates the volume chose, if two lights are illuminated, the selected volume is the middle point between the two values.



After selecting the volume, press and hold the start button in the middle of the touchpad to start the diffusion cycle. A beeping sound will begin.



A beeping sound will continue for 15seconds and then the diffusion will begin. Leave and close off the room before the end of these 15 seconds.



The device can be stopped by pressing the start button again (device beeps when treatment ends).

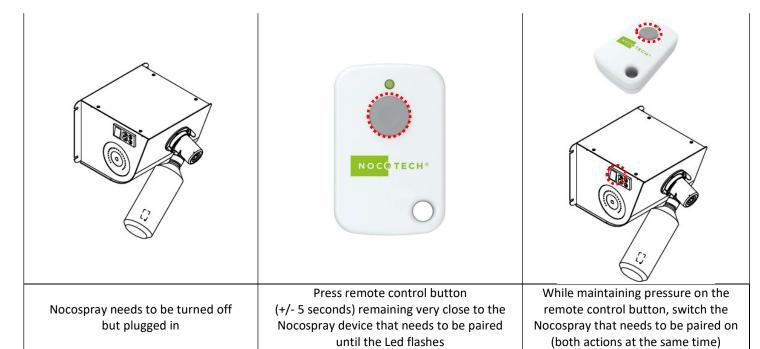
#### IV.4.2. Use with remote control

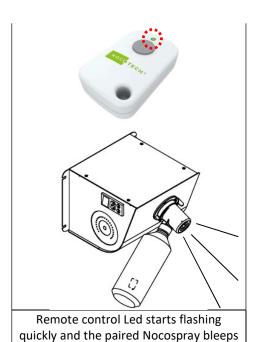
The remote control is used to start the device from outside the room, replacing the start button on control touch pad

#### IV.4.2.1. Pairing with Nocospray (« blank » remote control)

When receiving the remote control and before first use, it needs to be paired with Nocospray® appliance.

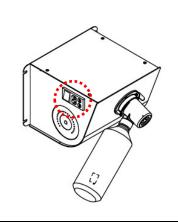
#### Pairing method:





several times to signal that pairing was successful

#### IV.4.2.2. Functioning with the remote control



Connect the power cable and put the main switch on « I »

(The light switches on)



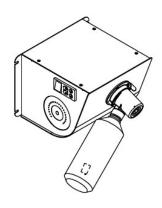
Select the volume by dragging your finger on the clear part of the touchpad. (The range is between 10m³ and 1000m³)



The light indicates the volume chose, if two lights are illuminated, the selected volume is the middle point between the two values.



Press the remote control button to start the treatment.



A beeping sound will continue for 15 seconds and then the diffusion will begin.

Leave and close off the room before the end of these 15 seconds.



The device can be stopped by pressing the start button again (device beeps when treatment ends).

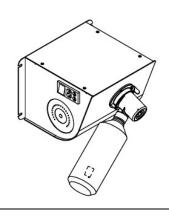
#### IV.4.2.3. Pairing with another Nocospray (« re-pairing »)



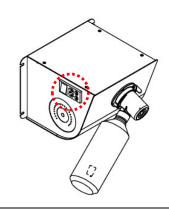
The remote control can be paired to only one Nocospray® at a time.

However, a remote control already paired can be 're-paired' to another Nocospray®

#### Re-pairing method:



Check that all Nocospray close to the remote control are well switched off includding the one to be re-paired



Plug in the Nocospray to be re-paired.



Press long on remote control button (+/- 30 secondes) remaining very close to the Nocospray device that needs to be repaired until the Led flashes



During these 30 seconds, the Led light flashes and stops alternately. This phase is repeated 3 times



Once the Led light on the remote control flashes regularly and without stopping, switch the Nocospray that needs to be re-paired on, while maintaining pressure on the remote control button (both actions at the same time)



The Led light on the remote control starts flashing quickly and Nocospray bleeps several times to signal that pairing was successful

### IV.5. Functioning in timer mode

#### IV.5.1. **General informations**

Plugged into Nocospray® device and on mains socket, the timer enables postponing or repetition of treatments. Timer mode should be selected to use Nocospray with a timer.







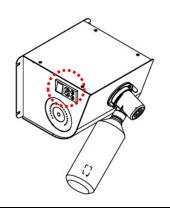
Connect the power cable and put the main switch on « I »

To initiate timer mode, drag along the clear part of touchpad with your finger to the 1000m3 setting. Then continue in clockwise direction for 3 full rotations until three (3) lights are illuminated

Timer mode is on when 3 Led lights light up as follows:

- Led 100m<sup>3</sup> and 500m<sup>3</sup> light up
- Led 250m<sup>3</sup> flashes.







Select the volume. As the selection is progressive, if two LEDS are lit, it is the intermediate value which is selected.

Note: selected volume appears only when the keyboard is touched/pressed Put the main switch on « 0 »

Plug the Nocospray socket into the timer and the timer in the mains socket





Set the timer, referring to the specific instructions for use.

Nb: it can be set before it is plugged in

The timer will start and stop the Nocospray according to the setting

#### **IV.5.2.** Timer mode features



If Nocospray is on timer mode when you switch it on, you can modify the volume or set the device back on standard mode during 1 minute.

After this minute, Nocospray starts bleeping for 15 seconds before starting treatment.

When treatment is over, it is strongly advised to set the device back standard before switching it off.



When treatment is over, volume can be changed as long as the appliance is still switched on



The device cannot be stopped by pressing the start button on touchpad.

#### IV.5.3. Back on standard mode



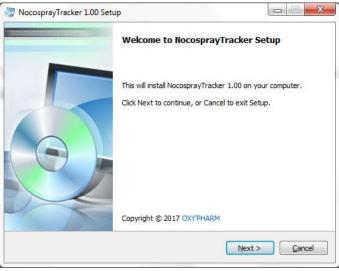
To set the appliance back on standard mode, touch the pad and drag your finger counterclock-wise back to the 10m3 position and then continue for an additional 3 full rotations

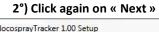
### V. TRACEABILITY SYSTEM

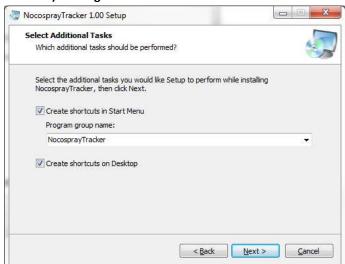
### V.1. Software installation

Click on "NocoSprayTacker\_Setup.exe" on the CD ROM or USB key supplied. Allow the program to install the software if Windows asks it.

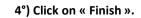
1°) Click on « Next »

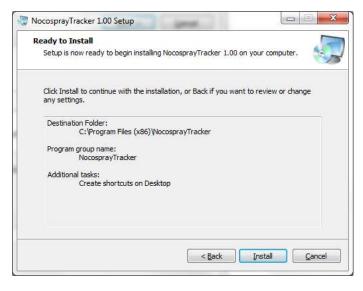






3°) Click on « Install »



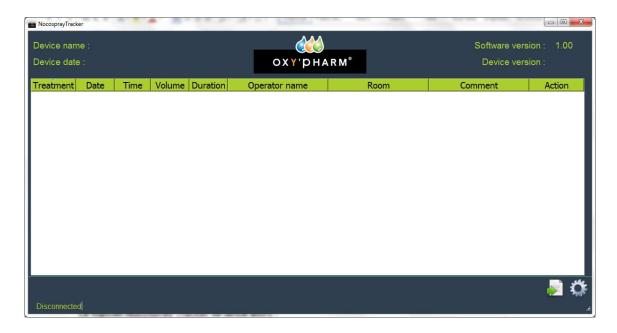




If the following window appears, click on « Fermer »

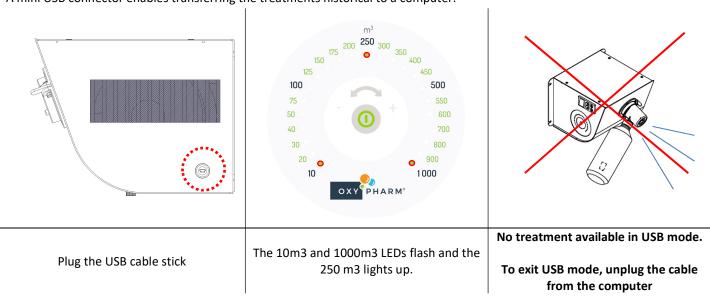


Nocospray Tracker software runs:



### V.2. Transferring treatments historical

A mini USB connector enables transferring the treatments historical to a computer.



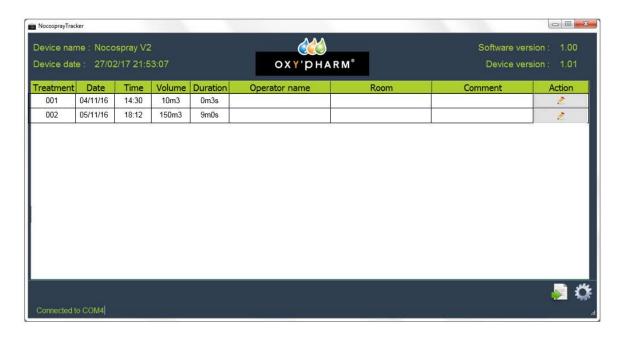
Connect Nocospray 2 on the USB port of your computer:

An icon on bottom right might appear to indicate that the device driver is running.



If your computer doesn't allow an automatic installation, the driver « .inf » is provided with the software, please contact your system manager.

Mention « Connected to COM4» on bottom left of the page, shows that Nocospray is well connected.



### V.3. READING AND MODIFYING DATA

#### V.3.1. General information

Nocospray tracker software will launch automatically once installed. If it does not it can be initiated manually.

- « Device Name »: Name of the device (editable parameter)
- « Device date »: Date and time of the device (to be set the first time it will automatically update afterwards)
- « Software version »: Version of Nocospray Tracker software
- « Device version »: Version of the intern software of Nocospray

Each line indicates each treatment. It is possible to organize each treatment following its number, date, time, volume, duration, room name, operator name or comment.



- « Treatment »: treatment number
- « Date »: Date of the treatment
- « Time »: Hour of the treatment
- « Volume »: Volume setting of the Nocospray
- « Duration »: Duration of the treatment (this parameter is automatically calculated)
- « Operator name »: Name of the operator who made the treatment.
- « Room »: Name of the room where treatment has been launched
- « Comment »: Other comment

Enter parameters « Operator name », « Room » and « Comment »

WARNING: Once those parameters are saved, they cannot be modified

#### V.3.2. General settings modification

This icon gives you access to the following window:

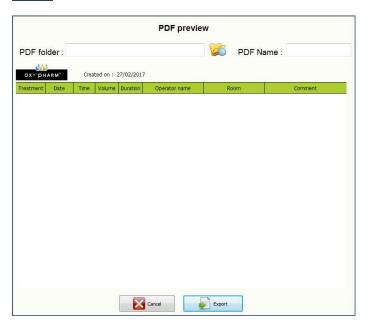


On this window device name « Device Name », date and hour of the device can be modified.

#### V.3.3. Export records (treatment historical)



This icon enables exporting the all recorded treatments to a PDF file as long as they have not been deleted. It brings you to the following window :



Using this icon , you can choose the folder where you want save the data (PDF file).

« PDF Name » : enter the name of the record file.

Then, click to « export » to record file.

#### V.3.4. USB mode exit

To exit USB mode, unplug the cable from the computer.

### VI. TROUBLESHOOTING

The table below shows a list of common problems and likely solutions. If the problem persists, contact your reseller or our Customer Service Center.



Before any intervention, switch off the device and disconnect the power cord

Failure	Resolution			
The device does not switch on	<ul> <li>Check the power cable connection</li> <li>Check if the switch is in « I » position and if the light is on</li> <li>Check fuses</li> </ul>			
The device works but the consumption is incorrect	<ul> <li>Check that nozzle is attached securely, is in working, and not blocked</li> <li>Check if the bottle contains enough liquid</li> </ul>			
The device has fell and has a malfunction	Contact the Customer Service Center			

### VII. HYGIENE AND MAINTENANCE

The NOCOSPRAY® 2 device requires regular maintenance.



- Switch off the device before proceeding any cleaning.
- Do not use abrasive products, bleach, acetone or solvents for maintenance or cleaning operations of the device. These aggressive agents may damage the surface materials (discoloration, tasks, drips, microcracks...)
- For the cleaning of external surfaces, use a slightly damp cloth orwipes.

### VIII. EMC COMPLIANCE BOARD

EMC Compliance according to IEC 60601-1-2 (2007)					
The NOCOSPRAY 2 is intended for use in the electromagnetic environment specified below.					
The customer or the user of the <b>NOCOSPRAY 2</b> should assure that it is used in such an environment.					
Emission test Standard		Compliance	Electromagnetic environment		
Emissions RF	CISPR 11	Group 1	The NOCOSPRAY 2 uses RF energy only for its internal function.		
			Therefore, its RF emissions are very low and are not likely to cause any		
			interference in nearby electronic equipment.		
Emissions RF	CISPR 11	Class B	The NOCOSPRAY 2 is suitable for use in all establishments, including		
			domestic establishments and those directly connected to the public low		
Harmonics emissions	IEC 61000-3-2	N/A	voltage power supply network that supplies buildings used for domestic		
Voltage/Flicker test	IEC 61000-3-3	N/A	purposes.		
The NOCOSPRAY 2 is intended	ed for use in the ele	ctromagnetic environ	ment specified below. The customer or the user of the NOCOSPRAY 2		
should assure that it is used	in such an environm	nent.			
Immunity test	IEC 60601 Compliance lev		Electromagnetic environment		
	test level				
Electrostatic discharges	226 kV contact	226 kV contact	Floors should be wood, concrete or ceramic tile. If floors are covered		
IEC 61000-4-2	228 kV air	228 kV air	with synthetic material, the relative humidity should be at least 30 $\%.$		
Electrical Fast Transients	222 kV for	222 kV for power	Mains power quality should be that of a typical commercial or hospital		
IEC 61000-4-4	power	supply lines	environment.		
	supply lines				
	221 kV for				
	input/output				
	lines				
Surge	221 kV line(s)	221 kV line(s) to	Mains power quality should be that of a typical commercial or hospital		
IEC 61000-4-5	to	line(s)	environment.		
	line(s)	222 kV line(s) to ear			
	222 kV line(s) to e				
Voltage dips, short	<5 % <i>U</i> ⊤	<5 % <i>U</i> ⊤	Mains power quality should be that of a typical commercial or hospital		
interruptions and	(>95 % dip in	(>95 % dip in <i>U</i> <sub>T</sub> )	environment. If the user of the system requires continued operation		
voltage variations on	<i>U</i> ⊤)	for 0,5 cycle	during power mains interruptions, it is recommended that the system be		
power supply input lines	for 0,5 cycle	40 % <i>U</i> ⊤	powered from an uninterruptible power supply or a battery.		
IEC 61000-4-11	40 % <i>U</i> ⊤	(60 % dip in <i>U</i> <sub>T</sub> )	$U_T$ is the a.c. mains voltage prior to application of the test level.		
	(60 % dip in <i>U</i> <sub>T</sub> )	for 5 cycles			
	for 5 cycles	70 % <i>U</i> ⊤			
	70 % <i>U</i> ⊤	(30 % dip in <i>U</i> <sub>T</sub> )			
	(30 % dip in <i>U</i> <sub>T</sub> )	for 25 cycles			
	for 25 cycles	<5 % <i>U</i> ⊤			
	<5 % <i>U</i> ⊤	(>95 % dip in <i>U</i> <sub>T</sub> )			
	(>95 % dip in	for 5 s			
	<i>U</i> <sub>T</sub> )				
	for 5 s				
Magnetic field at power	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a		
frequency			typical location in a typical commercial or hospital environment.		
IEC 61000-4-8					

Conducted RF	3 Vrms	3 Vrms	Portable and mobile RF communications equipment should be used no
IEC 61000-4-6	150kHz-80MHz		closer to any part of the NOCOSPRAY 2, including cables, than the
			recommended separation distance calculated from the equation
			applicable to the frequency of the transmitter.
			Recommended separation distance :
			$d = 1,67.\sqrt{P}$
			$d = 1,67.\sqrt{P}$ 80МНz-800МНz
Radiated RF	3V/m	3V/m	
IEC 61000-4-3	80MHz-2.5GHz		$d = 2,33.\sqrt{P}$ 800MHz-2,5GHz
			where <i>P</i> is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and <i>d</i> is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey (a) should be less than the compliance level in each frequency range (b)
			Interference may occur in the vicinity of equipment marked with the following symbol:
			((·•)))

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

(a) Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the NOCOSPRAY 2 is used exceeds the applicable RF compliance level above, the NOCOSPRAY should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the NOCOSPRAY 2.

(b) Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3V/m.

#### Recommended separation distances between portable and mobile RF communications equipment and the NOCOSPRAY 2.

The **NOCOSPRAY 2** is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the **NOCOSPRAY 2** can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the **NOCOSPRAY** 2as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter	Separation distance according to frequency of transmitter (m)				
(w)	150kHz to 80MHz	80MHz to 800MHz	800MHz to 2.5GHz		
0.01	0.117	0.117	0.233		
0.1	0.369	0.369	0.737		
1	1.167	1.167	2.330		
10	3.690	3.690	7.368		
100	11.67	11.67	23.300		

For transmitters rated at a maximum output power not listed above, the recommended separation distance *d* in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where *P* is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

### IX. RECYCLING

#### IMPORTANT INFORMATION ABOUT THE ELIMINATION COMPATIBLE WITH THE ENVIRONMENT

This device is subject to separate collection for electrical and electronic equipment in accordance with Directive 2002/96 / EC (applicable in European Union countries and other European countries with separate collection systems).

This symbol that appears on the device indicates that at the end of its life cycle, the device will need to be treated separately from household waste.

The device will be assigned to a center of selective collection for electrical and electronic appliances, or reported to the dealer on the purchase of a new device.

The user is responsible for the delivery of the device at the end of life to the collection authorities or to a corporation duly empowered under penalty of sanctions provided for by the legislation on the elimination of waste. The waste supplies must be managed in compliance with the local regulations relating to the management of waste.

Proper differential collection, and the subsequent recycling, processing and environmentally compatible disposable of waste equipment avoids unnecessary damage to the environment and possible related health risks and also promotes recycling of the materials used in the appliance