

PUREZONE MACHINE



IT Manuale d'uso

UK User's Manual

SAFETY PRECAUTIONS



We recommend you to thoroughly read the directions provided in this handbook before switching the device on.

Store this manual close to the device for any quick reference by operators!

If **PureZone Machine** is correctly used according to the directions provided by SPIN SRL, the device present no hazard for operators.

SPIN SRL declines any responsibility for failures and/or other consequences caused by incorrect procedures of the User.

- Before each use, check **PureZone Machine**. If damaged, do not use it and let any eventual damage be repaired by qualified professionals.
- Opening **PureZone Machine** is prohibited to unauthorized users.
- Maintenance or repair operations of **PureZone Machine** must be carried out by authorized personnel only.
- Do not tilt **PureZone Machine** when full or connected to electric power supply.
- Always use an electric cable with ground tap.
- Do not open **PureZone Machine** while connected to electric power supply.
- Ensure that the power supply connection points comply with current safety regulations (differential switch and grounding).
- **DO NOT USE PUREZONE MACHINE IN PRESENCE OF LIVING ORGANISMS.**

USER

- Carefully read this operational handbook before switching **PureZone Machine** on.
- **PureZone Machine** must be used by qualified and trained personnel only.
- Use only the power cable supplied with the device.
- Ventilate the vehicle for 5/10 minutes following the treatment.



DISPOSAL (WEEE DIRECTIVE)

The user has fully responsibility of recycling and separately gathering.

Leave the product in specific places for safe recycling of electric and electronic devices.

Users should contact their specific local government office or the municipal refuse disposal service for details of where this item can be taken for environmentally safe recycling.

PureZone Machine is a modern device which will help you in the antibacterial treatment of any A/C system and vehicle cockpit. The technology applied and the quality achieved in years of experience in the field make **PureZone Machine** an excellent equipment able to give you the maximum satisfaction thanks to its efficiency and reliability over time.

PureZone Machine uses the latest technology in the field of ultrasonic nebulisation.

This handbook has to be considered an integral part of the equipment as it contains instruction for its correct use. Therefore, we invite you to carefully read throughout these directions before switching **PureZone Machine** on, to adequately train operators and to store the handbook for any future reference.

INTRODUCTION

PureZone Machine is an electronic ultrasonic device which atomizes an antibacterial liquid (**PureZone**) in order to be distributed by the vehicle A/C system's recirculation system.

One of the main advantages of an ultrasonic atomization system is to obtain atomized liquid particles at ambient temperature. This prevents condensation which typically occurs when a liquid is atomized by heating it to a higher temperature.

The liquid particles which are atomized with **PureZone Machine** are smaller than $5\mu\text{m}$ and do not easily settle on surfaces they encounter. Hence, they will fully propagate in the A/C system and in the vehicle cockpit.

Such a condition cannot be realized with traditional aerosol cans, as the size and the weight of their atomized particles will lead to their prompt precipitation.

One antibacterial treatment with **PureZone Machine** takes minimum 11 minutes at $20\text{ }^{\circ}\text{C}$ and automatically stops once minimum liquid level is reached.

At higher ambient temperature the treatment will take less time; at lower ambient temperature, instead, it will take more time.

TECHNICAL FEATURES



- POWER SUPPLY: 220V – 50/60 HZ
- POWER SUPPLY PLUG: SCHUCO
- NOISE LEVEL: $\leq 70\text{ DBA}$
- OPERATING TEMPERATURE: $0\text{ }^{\circ}\text{C} \div 60\text{ }^{\circ}\text{C}$
- NEBULIZATION RATE: $\approx 500\text{ ML/H}$
- DIMENSIONS: L285 X P130 X H210 MM
- WEIGHT: 3.1 KG

1. Ultrasonic nebulizer
2. Conveyor tube
3. 3 mt flexible hose with clip
4. Supply cable



Use **PureZone Machine** exclusively with the chemical product **PureZone**.

The warranty of the ultrasonic nebulizer **PureZone Machine** is valid only if you use the chemical product **PureZone**.

Eventual damages to the ultrasonic nebulizer referable to the use of a chemical product different from **PureZone** **WILL NOT** be covered by warranty.



PREPARATING PUREZONE MACHINE



Connect **PureZone Machine** to the power supply

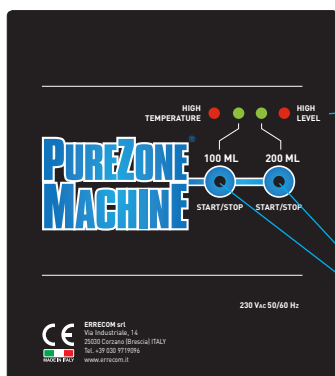


Pour inside the nebulizer the liquid **PureZone**



Connect the specific conveyor tube to **PureZone Machine**

DIRECTIONS CONTROL PANEL



HIGH TEMPERATURE
red led

READY/ON
green led

HIGH LEVEL
red led

START/STOP
button

1. After pouring one dose of the liquid **PureZone** (120 or 220 ml), the two READY/ON green leds start to flash.
2. In case too much liquid is poured inside **PureZone Machine** and maximum level is exceeded, HIGH LEVEL red led will start flashing (warning for excess) and nebulisation will be blocked.
3. Pressing START/STOP button 100 ml (in case you use the dose of 120 ml) or START/STOP button 200 ml (in case you use the dose of 220 ml), the device is automatically set on a minimum operating time of 11 minutes.
4. When **PureZone Machine** starts nebulising the READY/ON green led stops flashing and stays fixed.
5. If the internal temperature reaches more than 65°C the device stops nebulising and the HIGH TEMPERATURE red led switches on (warning of high temperature), but the fan will keep working.
6. Nebulisation will restart when the temperature will recover under 60°C and the HIGH TEMPERATURE red led will switch off.

USE OF PUREZONE MACHINE INSIDE VEHICLES

For vehicles COMPACT VEHICLES - SALOON CARS - STATION WAGONS
use one dose of PUREZONE of 120 ml

For vehicles SUV - SPACE WAGONS - COMMERCIAL VEHICLES - MINIBUS - MOTOR HOMES
use one dose of PUREZONE of 220 ml



- The device automatically switches off at the end of the treatment.
- If the cabin filter is located inside the vehicle cockpit, take it away.
- If the cabin filter is located in the front of the vehicle, under the bonnet, it is not necessary to take it away.
- Clean the vehicle and take the carpets away from the cockpit.
- At the end of the operation open all doors, stop engine and ventilate the cockpit for approximately 5-10 minutes.
- **ALWAYS** replace the cabin filter after the antibacterial treatment.

①



Start engine and place **PureZone Machine** on the floor mat at the passenger side and set the conveyor tube as much closer as possible to the recirculation air intake.

②



Place the supply cable through the door and completely close all windows and doors of the vehicle.

③



Set A/C system temperature at 22°C and select front ventilation.

④



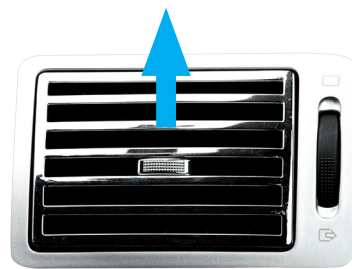
Select internal air recirculation mode.

⑤



Set the air fan on intermediate speed.

⑥



Open all air flows of the dashboard.

USE OF PUREZONE MACHINE IN A/C SYSTEMS

**For A/C systems up to 12.000 Btu/h and interiors up to 15 MQ
use one dose of PUREZONE of 120 ml**

**For A/C systems up to 24.000 Btu/h and interiors up to 30 MQ
use one dose of PUREZONE of 220 ml**



- The device automatically switches off at the end of the treatment.
- Clean the room and take all carpets away from it.
- At the end of the operation open all doors and windows and ventilate the room for approximately 5-10 minutes
- **Carefully wash the A/C system filter before remounting it in the specific place.**

1



Open the cover of the A/C systems and take the filter away.

2



Switch the A/C system on, set temperature at 22°C and select ventilation on medium speed.

3



Place **PureZone Machine** on the floor and connect the 3 mt flexible hose on the conveyor tube.

4



Clip the 3 mt flexible hose to the filter.

5. RUN THE TREATMENT.

MAINTENANCE

- Disconnect the supply cable from **PureZone Machine** and take the conveyor tube away.
- Pour the residual liquid after the treatment (approximately 20 ml) into the same bottle.
- The residual chemical product **PureZone** can be used in next applications.



- For periodical clean it is sufficient to add some running water in **PureZone Machine** tank, energetically shake and then empty the contents.