



C.P.A. S.R.L.

## MOSQUITOS BYE GARDEN SYSTEM BIACTIVE

*Nebulization mosquito system*



## Description

Nebulizer system for the fight against mosquitoes with automatic and programmable management of operating cycles. The system delivers a properly calibrated mixture of water and killing / repellent product.

## Features

The system consists of a central unit and a distribution circuit with dispensing nozzles. For operation, it is sufficient to have a 220 V socket and a connection to the water supply. It offers effective protection from mosquitoes up to a maximum of 1200 m<sup>2</sup> and supports up to a maximum of 100 nozzles and 500 m of tubing. The control unit is capable of managing 2 active ingredients (knocking down and unaccustomed) without the need for manual operator intervention. Possibility to program short intermittent spraying cycles in specific time slots by automatically managing the spraying times based on the sunset time. At the end of each nebulization cycle, the system performs a washing cycle of the system with only water, so as to avoid product residues in the various components.

Equipped with radio control.

### *Central Unit*

- Galvanized and hot-painted sheet metal structure with key
- Technical compartment protected by metal door with independent lock and key
- IP 65 protection
- Independent peristaltic pumps for the calibration of the quantity of products
- Liter counter for the calibration of the quantity of water
- 20 bar vane pump for product delivery in the system
- Zone solenoid valves for dispensing / washing
- Water inlet solenoid valve
- Drain solenoid valve, to avoid dripping of the nozzles
- Minimum and maximum level floats
- Non-return valve to prevent the return of water from the external system
- Electronic programming unit with access password
- External LED for signaling events and machine status
- 4.3 "touch screen
- Operations and alarm log
- Storage of DEFAULT values
- Storage and modification process of SETUP values and cycle programming data
- Descriptive report of the activity of the event in progress
- Electronic system for system operation verification tests
- Cycle counter: control of ordinary and extraordinary cycles
- Active ingredients: product consumption and reserve control process
- Malfunction detection and alarms of internal components

### *Circuit and nozzles*

- Neutral, green and brown colored 1/4 "tubing
- Fittings in nickel-plated brass or 1/4 "stainless steel

**Technical Features**

<b>Data</b>	<b>Value</b>
Maximum plant length	500 m
Maximum nozzles number	100
Nozzle orifice size	30 $\mu$ m
Number of programs daily available	10
Number of default insecticide solution delivery schedules	2
Number of default repellent solution delivery schedules	2
Number of default programming of system circuit and line circuit washing	2
Number of default programming manual water supply cycle	0
Number of products of different nature that can be managed simultaneously	2
Washing programming system circuit	Choice at each manual and / or ordinary dispensing
Product mixing error	$\pm 0.2\%$
Average pump delivery pressure	18 bar
Mixing bowl capacity	5 lt
Overall dimensions	60x50x25 cm
Weight	30 kg ca.

## Note

- The information contained in this document may be changed at the discretion of the person in charge, without prior notice, together with the modifications of the product in question to this document: it will be the customer's responsibility to verify the persistent correspondence of the product to the information sheet.
- Any technical diagrams reproduced in this document are for information purposes only.