EleXiq Technologies Private Limited

ELEXIQ ZEMOS PRO MOSQUITO TRAP

A high-capacity automated trapping unit designed for large-area mosquito control

- Proven Reduction
- Powerful Coverage
- Sustainable

- Advanced Luring System
- Smart & Efficient
- All-Weather Resilient

Elexiq Zemos Pro Mosquito Trap: Working Principle

- Heat
- Light
- Odour
- CO2

Step 1

Lures mosquitoes by mimicking human CO2, scent, and heat.

Step 2

Attracted mosquitoes are drawn into the trap by a powerful suction.

Step 3

Trapped mosquitoes dehydrate and die, disrupting breeding and reducing population.

IN-HOUSE ENTOMOLOGY RESEARCH LAB

PRODUCT DESIGN AND ENGINEERING TEAM

MADE IN INDIA

ELEXIQ
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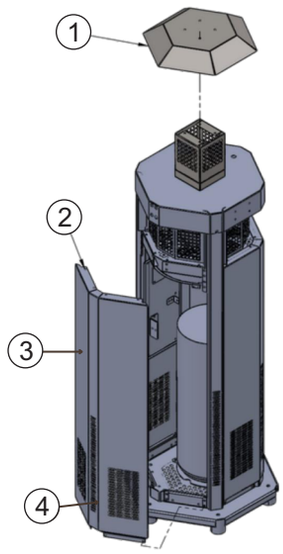
Machine Specifications

Proprietary attractants formulated for all Indian mosquito species.

Lockable steel enclosure for safe CO_2 cylinder storage.

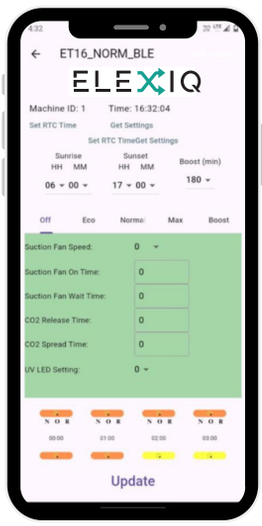
150 cm Galvanized Steel Powder Coated Frame

Operates on 220V/50Hz power with a consumption of 150 Watts



Elexiq Mobile Application

Machine is controlled with the Bluetooth app that features four modes to optimize CO_2, electricity and attractant use. It also includes an instant 'Boost' button for maximum power when mosquito activity is high.



Elexiq Mosquito Control System

Parameter	Specification
Generic	
Description	Mosquito Control System that greatly reduces the incidence of Mosquitoes in open spaces thus minimizing the risk of vector-borne diseases.
Use Location	Outdoor
Type of Killing	Trap & Dehydrate
Shape of Mosquito Control System	Hexagon
Attractant Source	Multi Component Luring System including Heat, Light, Human Odor, CO2 and Colour
Construction	
Body Material	Galvanized Steel
Coating	Powder Coated
All weather Proof	Yes
Operating Voltage	220 V, 50 Hz
Max Power Consumption	Less than 300 Watts
Weight	52 kg
Height	57 inch
Base Size	22 inch hexagon
Machine Base	17 inch hexagon
Performance	
Effective Area Size	100 ft Radius
Mounting/Installation	Floor Mounted/Standing
Catching Net	Double Layer Removable Elastic Net
CO2 Cylinder Mechanism	CO2 cylinders placed inside a lockable high-strength metal enclosure in the machine to ensure safety when placed in public places and also protect the cylinder from atmospheric influences
CO2 Release Time	CO2 release time can be programmed to change during evening and morning hours to improve trap effectiveness.
Heating System	Heating System to maintain Human Body temperature around catching area
Lighting System	UV lighting system that can be programmed to switch on at specific time during the day to improve catching effectiveness.
Suction System	Strong mosquito suction system that can be programmed to reduce motor speed in low mosquito density times to reduce power consumption. Large multi directional mosquito suction area.
Mosquito Attractant Spreading System	Top mounted Attractant Spread System with independent air flow control to improve machine effectiveness and reduce CO2 consumption
Natural Wicking Liquid Attractant	Natural wicking liquid attractant that provides uniform attractant spread for a longer period.
4 Mixture Liquid Attractant System	Specifically developed 4 types of mixtures with different mosquito attrctant compounds to capture all types of Indian mosquito species
Control Application	Android Bluetooth Application to change machine perfomance specifications
Boost Button to Maximize Machine Performance	Simple boost button allows user to immediately maximize machine performance for specified time if they feel higher mosquito presence
Variable machine Operation	Specially designed with four different modes of operation for optimal utilization of CO2, Electricity, and Attractant

EleXiq Technologies Private Limited

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