Methodology of QISTA Mosquito Traps

SPECIFICATIONS OF THE PRODUCT:

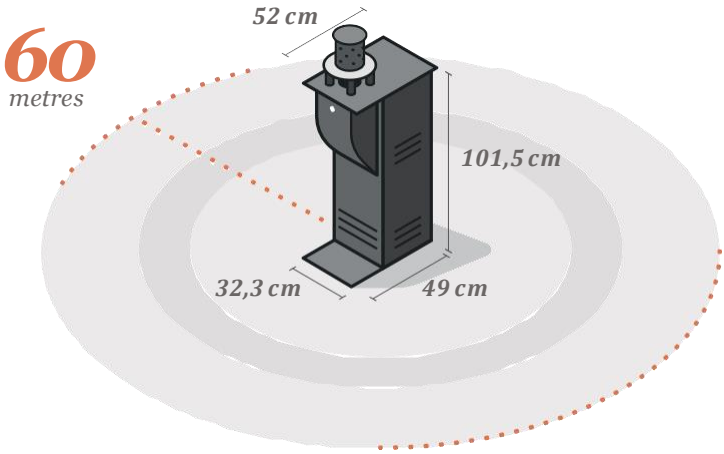
Mosquito Traps

Technical specifications

- Programming / getting started: remotely through the app
- Remote control via the GSM network
- Geolocalised trap
- Data retransmitted via a Smartphone or software
- Consumables: Natural and recycled CO_2 (non-explosive gas), and olfactory lure
- Closure system: standard lock and magnetic door
- Action radius: 60 metres
- Sound level: 55db at 1m / 30db at 6m / 0db at 10m

- Casing

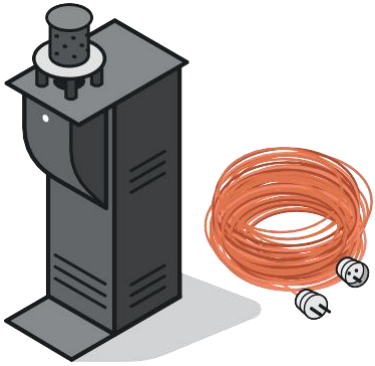
  Splashproof polypropylene structure
- Dimensions and weight
  - Dimensions:
    Height > 101.5 cm
    Depth > 52cm
    Width > 32.3cm
  - Weight: 16kg
- The range
  - 230V
  - Battery
  - Solar Smart



SPECIFICATIONS OF THE PRODUCT:

Mosquito Trap

230V



Where to install trap

- In private spaces such as a nursery, school or hospital
- Near an electrical circuit

Energy mode

- The Mosquito trap energy consumption is 30 Watts. Also must be connected to an IP 44 socket and powered by a 3 G2.5 cable protected by a 10A circuit breaker.
- If it is to be connected to an existing circuit, ensure that the trap's consumption can be factored into the existing circuit breaker. If not, we recommend a 30mA and 10A differential circuit breaker.
- The Trap cable measures approximately 150cm. If necessary, an electrical connection might be required. In that instance, an extension cord and waterproof casing should be envisaged if necessary. A trench to connect the cables may also be required.

Mounting system

- If the ground is flat and hard, the trap can be mounted straight onto the ground.
- If the trap has to be installed on soft soil and/or on a slope making it impossible to mount the trap securely, a concrete slab must be used. A concrete slab measuring 50 x 50 and 5cm thick should be prepared first (this is not carried out by *Qista*). It must be possible for the electricity supply to pass through the slab.

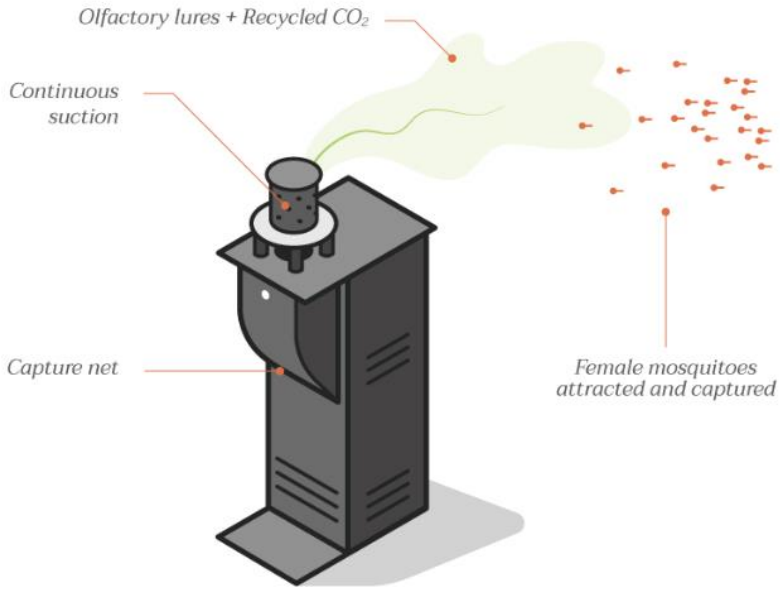
SPECIFICATIONS OF THE PRODUCT:

Qista Mosquito Trap solution is based on 3 steps :

1.The dispersion of recycled carbon dioxide to simulate human breath (attracts mosquitoes).

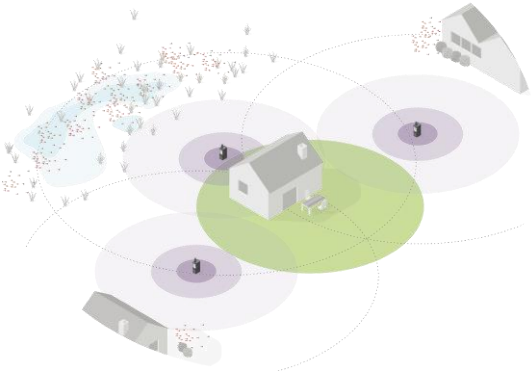
2.Release of an olfactory lure to simulate human body scent (draws mosquitoes closer to the trap)

3.Mosquito capture using suction.
To conserve and protect biodiversity, only the female mosquitoes in the vicinity of the areas to be protected are attracted to the Trap.



Male mosquitoes and other insect species (bees, butterflies, ladybirds, etc.) are not attracted and continue to play their role in biodiversity.

Identify the source of mosquito flows



Optimal location of mosquito traps

Team of biologists and entomologists

Power Modes

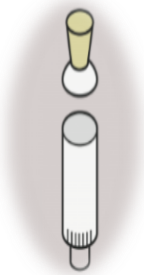
230 Volt

Battery

Solar panel

PARTS OF THE TRAPS & SPECIFICATIONS:

Gas Filter



The filter ensures the correct operation of the trap. It filters impurities from the CO2 to prevent clogging and blocking of the solenoid valve.

The Co2 filter is part of the filtration kit.
specifications

lure

old in absorbent beads, the Qitsa olfactory lures are based on acid lactic to reproduce body smell, this lure attracts mainly tiger mosquitoes such as Aedes Albopictus and other species. The lasting of lure depends on usage. If trap used only peak hours, it's last 90 days.

Gas Refill

The dispersion of recycled carbon dioxide to simulate human breath (attracts mosquitoes). The lasting of Gas depends on usage. If trap used only peak hours, it's last 58 days.

Mosquito Net

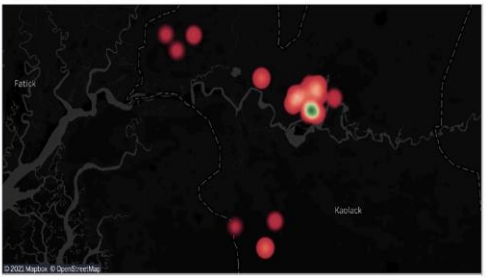
The net traps sucked-in mosquitoes and keeps them inside the trap. The mosquitoes are then disintegrated in the net.

#	SPARE PARTS	Life span	Image
1	Main Fan	5 year	
2	Hat Fan	5 year	
3	Head	5 year	
4	Filtration Kit	5 year	
5	Solenoid Valve	5 year	
6	Expansion Valve	5 year	
7	Non-Return Valve	5 year	
8	CARD INTERCO	5 year	
9	CARD INTERCAM	5 year	

Monitoring

Cartographie

Concentration des captures



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