



Area covered
(m²)

500



Consumption
(W)

<5



Supply voltage
(V-Hz)

230x1-50/60



Effectiveness proven by
the CRESCA-UPC centre
(Barcelona-Tech)



Acoustic safety: outside the
audible range of humans and
domestic animals

Protects your space against these pests:



Cockroaches



Rats
and mice



Squirrels



Bats

Repels:



Mosquitoes

Applicable regulations:

- 2014/30/UE (Electromagnetic Compatibility)
- 2011/65/UE (RoHS)
- 2000/14/CE 2000/14/CE

Not classified as an acoustic emitter as it is below the power threshold defined by European legislation.

Shield Waves device is fully integrated into the air curtain at the factory, meaning no additional devices, modules, or external components need to be installed on site. The air curtain is mounted following the same procedures as a standard air curtain, using conventional fixing points, electrical connections (consult wiring diagram for more information), and positioning guidelines.

Because Shield Waves is built into the air curtain housing, the system does not alter the dimensions, appearance, or airflow performance of the unit. This allows the product to be installed in new projects or as a replacement for existing air curtains without modifying the surrounding structure or infrastructure.

Another key advantage is that Shield Waves requires no replacement parts or refills. As an electronic system built into the device, it continues working even when the air curtain is switched off, using only minimal electricity, operates 24 hours a day.

CleanTone System is a harmonics-free ultrasonic emission technology, which generates pure and stable signals. The absence of harmonics ensures greater electromagnetic compatibility, lower energy consumption and less interference with other devices.

Active power is zero, as the load is purely capacitive, ensuring efficient and safe operation. The ultrasonic signal is designed not to affect pets or cause environmental nuisance.

SOLUTION

The Shield Waves device based on Clean Tone System technology consists in a developed system for air curtains that helps create a pest-safe environment. Its main characteristics include:

- Pest control for shops, offices, and buildings.
- No chemicals or replacement parts.
- Wave and signal technology.
- Silent (unpredictable).
- Safe for people and pets.

Shield Waves uses Clean Tone System technology, which is integrated directly into the air curtain and operates 24 hours a day. It requires no installation, maintenance, or replacement parts. For optimal pest protection performance, it is recommended to keep the air curtain running in areas where enhanced protection is desired.

FEATURES

- Main repellent PCB
- Mosquito repellent PCB
- Independent housing for each PCB



- Also includes the wiring.

