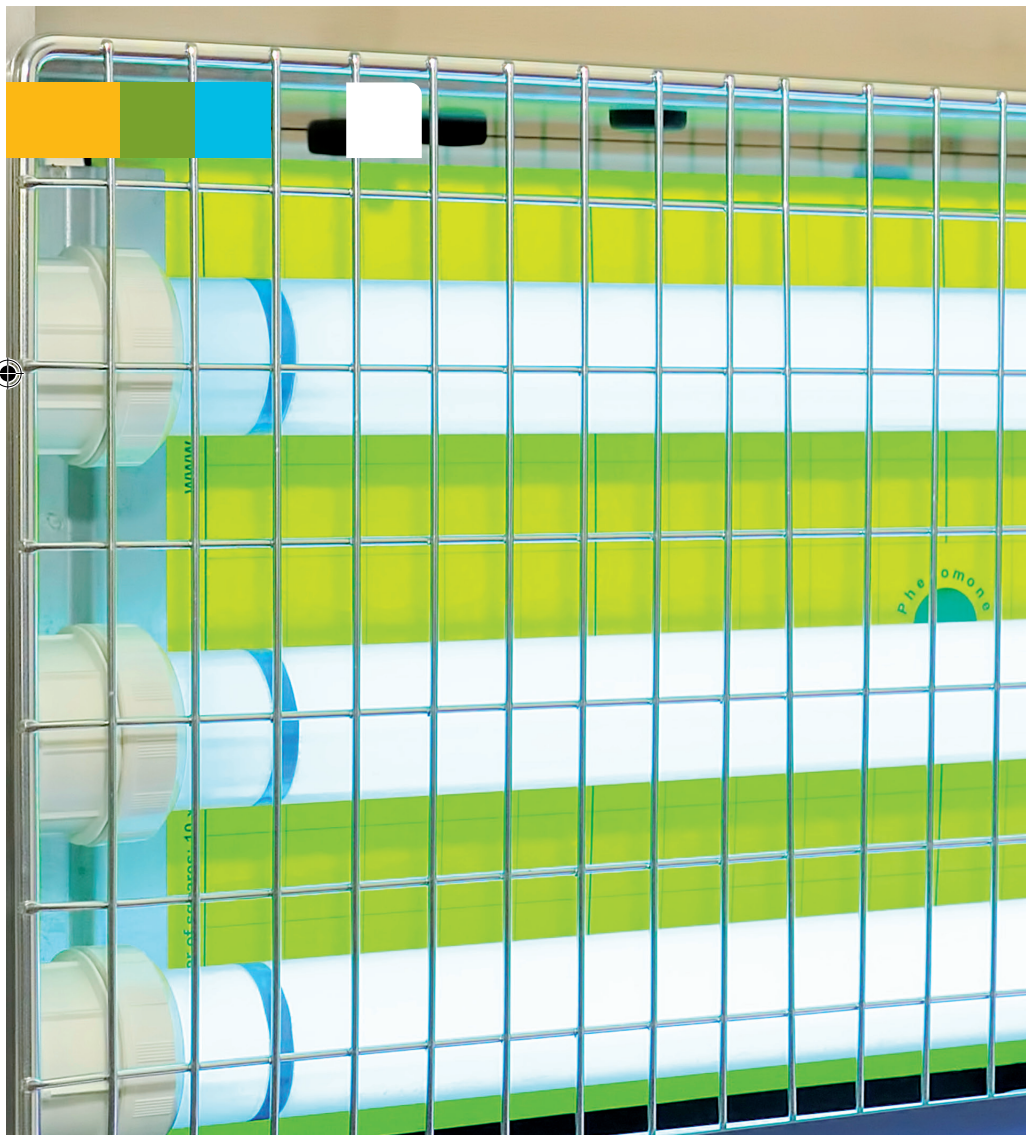


# INSECTRON®

# INSECTRON®



#### For more information:

Berson UV-techniek  
P.O. Box 90, 5670 AB Nuenen  
The Netherlands  
Tel +31 40 290 7777  
Fax +31 40 283 5755  
info@insectron.com  
www.insectron.com



Insectron 1 12.2012

For more information you can contact:



## UV Units for insect control





# The first innovator in insect control

- Robust, for industrial use
- State-of-the-art technology
- ATEX certified

Insects can be harmful if present in certain industrial environments such as food processing, pharmaceutical manufacturing and packaging facilities, animal and fish farms, or abattoirs. In most countries insect-free production is now obligatory by law. While insects are vital for a stable, balanced ecosystem, many of them carry bacteria which are easily transferred to each place they visit. Control of flies and other insects is therefore essential to prevent any danger for infection in industries such as those mentioned above.

Berson's Insectron is specifically designed to control insects and thereby prevent transmission of germs and infections diseases in industrial environments requiring high degrees of hygiene. It is the most robust and effective insect terminator in the market today. It utilises UV lamps which emit blue UV-A and green light to attract insects, which are either caught on glue boards or killed by electric grids and captured in a sealed container for safe and effective disposal.

Insectron units can either be wall- or ceiling-mounted, depending on site requirements. Wall-mounted units are equipped with reflecting surfaces to maximise insect attraction. Berson is the original inventor and manufacturer of all Insectron models since their introduction over 40 years ago. The company is both ISO 9001 and ISO 14001 certified.

## Lamp technology

The lamps are designed to attract insects to the Insectron unit where they are captured. Insectron models use two different kind off lamps: lamps to attract insects in state of resting in the vicinity of the unit and lamps to attract flying insects to do the same.

Most insect attractors which use UV are equipped with standard 350nm UV-A lamps (also known as black light) or green coloured lamps. Berson developed its own lamp technology that is unequalled in attracting insects in a pheromone-free environment. Extensive studies have determined the exact frequency of UV-A with the highest attraction rating for flying insects and the best colour frequency to attract (resting) insects which settle. All Insectron lamps are also shatterproof, ensuring no glass will be spread around in the unlikely case of a lamp breakage.

## Capturing techniques

Catching can be done by either electrocution or by a glue board, the choice depending on the environment and industry. The electrocution method requires less maintenance and ensures a 100% kill rate. Glue boards, on the other hand, in some circumstances, can capture more insects and also enable the user to count the number of insects caught on the glue board's printed grid.

Electric grids are fine-tuned and capable of kill both small and large insects and keep their bodies intact. Too low a voltage will not kill all insects, while a too high a voltage will cause some insects to explode. Getting the right setting is therefore important.

## Insectron design

All units are manufactured from high grade stainless steel parts. The top and bottom covers are available in hard polyethylene and all electrical components are designed for use in harsh environments. Models are available for virtually all industries and environments, and bespoke units can also be provided for special or unusual installations.

## Explosion proof and harsh environments

If required, the Insectron range is available certified to IP65 and as a certified ATEX model. In environments where the reactors need to function in dusty or humid conditions we recommend our upgraded version.

## Warranty and service

Berson warrants each Insectron for eight years, according Orgalime's S 2012 conditions. Spare parts are available through Berson and an experienced global network of dealers built up over the last 40 years.

## Maintenance

Exchanging lamps, grids or cleaning is simple and does not require any specialised training. All exchangeable parts are easy accessible and fixed with robust couplings. In the unlikely event that a component needs to be exchanged, the operation manual provides easy and simple instructions.

## Third party validations

All Insectron models are CE marked and independently tested and approved by institutions like KEMA in the Netherlands and certified according to ATEX explosion proof regulations. Insectron is recommended by hygiene auditors all over the world because of its world class reputation developed over 40 years.

## Specials

Special models are available for unusual applications. Examples include museums, where insect control is required without UV or direct lighting. In this instance, Insectron models are designed to only emit indirect light.