

# IONIZATION



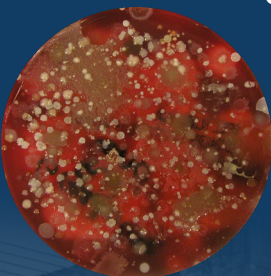
The fine dust is the worst enemy of any breathing beings, it is responsible for carrying viruses, bacteria, pathogens, and pollen that attach themselves to these particles in the air. To resolve this problem we need negative ions, naturally, they are created shortly after a thunderstorm or near a waterfall. We are able to recreate those negative ion with the help of an electrical semiconductor technology. The ionization system takes on dust by charging them with negative ions, which make them attract to the floor or on the wall and eliminate them from the air. As for the viruses, they are a compound of molecules that are attached one to another and when the air is charged with negative ions, it separates all the molecules from the viruses and then one by one is getting charged by negative ions and fall to the floor. Positive ions (Dust, Pollen and viruses) slow down the metabolism which accelerate the aging process. By using ionization, you will counter the negative effects of positive ions in the air.

## ADVANTAGES

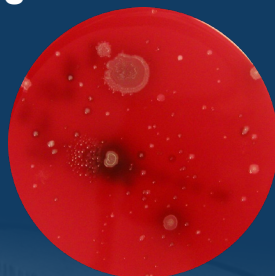
In combination with the NANO-HDT lights, the integrated ionization units produce **NEGATIVE** ionization. Research in recent years, a.o. Pogruud (Sulman, p. 165) have shown that negative ionization has a very positive psychological effect on:

- Reduce odors and bad smells
- Eliminate all smoke
- Bring a cleaner air which is healthier for living beings and plants
- Decreased blood pressure
- Produced a feeling of wellbeing
- Increased vital capacity
- Increased resistance to infection
- Reduce your need on livestock medication

## Petri dishes of pathogens culture



Without exposition  
Ionization bar



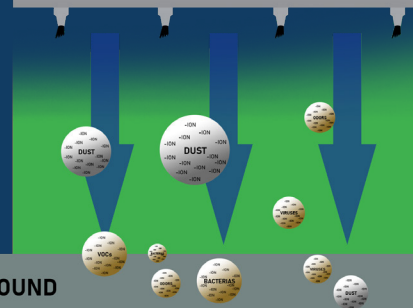
Exposed to  
Ionization bar



**WITHOUT**  
Dust, viruses and pollens stay in suspension in the air



**IONIZATION**



Type	Connector type	Size (mm)	10 <sup>6</sup> ions p/sec	LED Watt	IP Class	Lumen
360	Atex 15	300x25	600	<0.2	IP65	0
600	Atex 15	600x25	540	<0.2	IP65	0

Other configurations are available.

For more information, contact us on our website [topcool.co](http://topcool.co)

The products shown in this brochure are covered by a limited warranty.

Due to our continual effort to provide better products and service; literature, products, performance data, price change without notice.

JOIN US AT

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