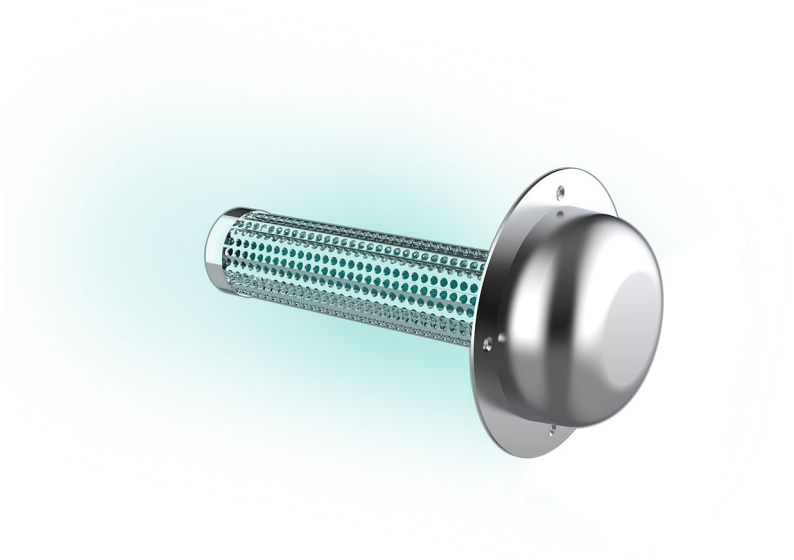
XHP110

Bactericidal sanitising lamp with XHP110 photoinitiator

- cod. HCC300010



DESCRIPTION

The bactericidal sanitising system is designed to eliminate the risks of the "sick building" syndrome by reducing odours, air pollutants and germs that brings viruses and colds through a photo-hydro-ionisation process.
The bactericidal sanitising system is easy to install in existing air conditioning and heating systems.
When the system is in operation, the cells use an advanced oxidation process to reduce pollutants in the air.
Bactericidal lamps, in all versions, maintain their effectiveness for a working time of 8,000-10,000 continuous hours, after this time, they will continue to produce light but their sanitising action will be less effective. If frequently switched on and off, these values will lower.
It is advised to replace the lamps when they reach this working time
The "AOP" (advanced oxide process) system is a patented air purification system with unique characteristics.
The air purification equipment is based on advanced photo-hydro-ionisation technology and is highly effective in improving indoor air quality.
The system uses a UV light and a catalyst that generates non-hazardous oxidants. The oxidants created include hydroperoxide, hydroxide ions and superoxide ions. The oxidants released by the "AOP" system are harmless to humans, animals and plants.
Within the "AOP" cell, a wide-spectrum light is directed to the catalyst, which is composed of four different metals: titanium, silver, rhodium and copper.
The oxidation process is created by a combination of air and moisture present in the environment.
The result is a production of antioxidants having the aim of inhibiting viruses, moulds and bacteria present in the air.
During the "AOP" process the oxidants are converted back into oxygen and hydrogen once they come into contact and the pollutant is removed.

TECHNICAL SPECIFICATIONS:

- Power supply 230V - 50Hz
- Power consumption 13.3 W
- Photo-hydro-ionization technology
- Operating range 3,000 - 11,000 m^3/h
- 9,000 working hours
- Outer Ø 140 mm - Inner Ø 50 mm - total length 230mm
- Recommended maximum surface area 730 m^2

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IDEAL FOR:

Installation in new and existing systems
Residential, commercial, industrial MVHR systems
Residential, commercial, industrial HVAC systems
Air conditioning systems
Ventilation systems
Air handling unit (AHU)
Distribution or air connection plenum
Air distribution duct
The table shows the reduction percentages that are achieved by the oxidation process, within 24 hours.
Almost all of the tests were conducted by Kansas States University

VIRUS / BACTERIA	% REDUCTION
SARS	73
NOROVIRUS	99
MRSA	99
PSEUDOMONAS	99
LISTERIA	99
ESCHERICHIA COLI	99
BACILLUS GLOBIGII	99
STAPHYLOCOCCUS AUREUS	99
STREPTOCOCCUS SP.	96
STREPTOCOCCUS PNEUMONIAE	99
BACILLUS CEREUS	99

ITEMS

CODE	DESCRIPTION
HCC300010	BACTERICIDE SANITISING LAMP WITH PHOTOCATALYST XHP110

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