DATASHEET rev. 03 - 21/10/2024



XHP110

Bactericidal sanitising lamp with XHP110 photoinitiator

- cod. ACC600097



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

Tecnosystemi S.p.A. - Società Benefit | www.tecnosystemi.com Plant 1: Via dell'Industria, 2/4 - Plant 2: via Caduti del Lavoro, 7 - Plant 3: via Caduti del Lavoro, 5 Z.I. San Giacomo di Veglia 31029 Vittorio Veneto (Treviso) - Italy Phone +39 0438 500 044 | Fax +39 0438 501 516 | n. verde 800 904474 (only for Italy)



DATASHEET



- Power consumption 13.3 W
- Photo-hydro-ionization technology
- Operating range 3,000 11,000 m³/h
- 9,000 working hours
- Outer Ø 140 mm Inner Ø 50 mm total length 230mm
- Recommended maximum surface area 730 m²

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
ACC600097	BACTERICIDE SANITISING LAMP WITH PHOTOCATALYST XHP110

All rights relating to this publication are the exclusive property of Tecnosystemi SpA.

Tecnosystemi SpA reserves the right to make changes at any time and without notice, for technical or commercial needs.

