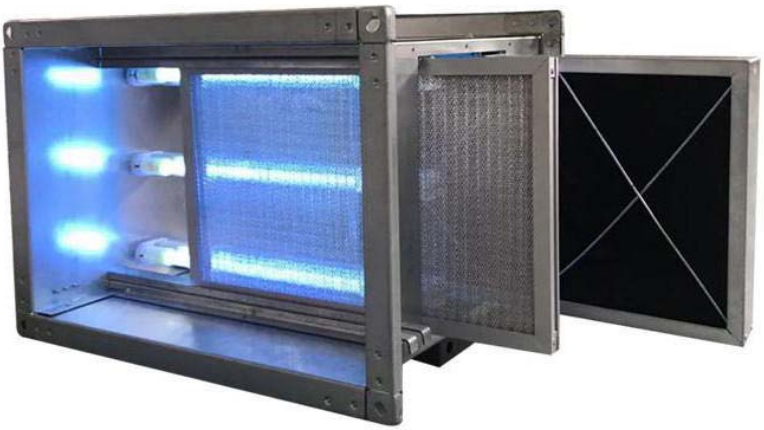
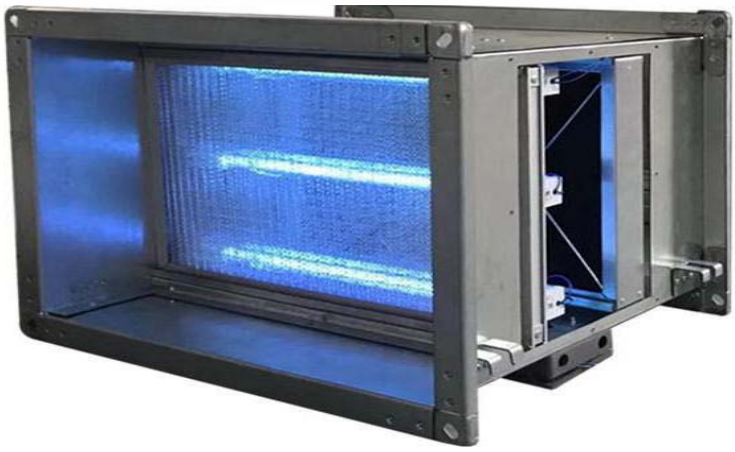
NEVLIGHT
HEALTHCARE DIVISION

UV-C Disinfection Lamps and Systems

Product name: PHT air sterilizer

"Make Life Safer"





Principle: PHT (Photon Hydroxylation Technology) air sterilization technology utilizes 253,7nm UV-C tube and photo-catalyst made of special polymer to generate ions, electrons,low-concentration oxygen ions, hydrogen peroxides, hydroxyl radicals and abundant negative ions, thereby effectively killing various bacteria and virus in the air and oxidizing and decomposing toxic and hazardous gases in the air.

Core advantages:
1. The purifying substance thus generated is a hydroxyl containing oxidizing agent which can have advanced oxidization reaction with pollutants, thereby thoroughly removing the pollutants and producing pollution free water and carbon dioxide. (Initiative &comprehensive)
2. The catalysis technology of multiple rare metals is utilized to convert ozone and water into purifying substance. (Zero secondary pollution)
3. 2-year trouble-free operation is guaranteed. The operating power of each cleaning unit does not exceed 25 W.
4. The plug-in technology is adopted to facilitate installation and removal and it requires no maintenance by specially assigned people during use.

Functions:
1. Effective killing of harmful microorganisms, such as flu virus, staphylococcus albus, etc.
2. Decomposition of volatile organic compounds: benzene, formaldehyde, ammonia, TVOC and other chemical organic compounds.
3. Removal of odor: odor produced by human respiration, perspiration, defecation and such chemical reactions as mildew and decay of substances.
4. Removal of inhalable suspended particulate matters in the air.

Applications:
Medical systems: hospitals, pharmaceutical factories, operating rooms, isolation wards, blood stations, rehabilitation centers, etc.;
Workshops: electronics factories, optics factories, plastic and hardware coating factories, cosmetics factories, food factories, sanitary ware shops;
Office buildings: telecommunications, government office buildings, banks, etc.;
Public places: stations, airports, hotels, beauty salons, tea houses, supermarkets, libraries, exhibition halls, etc.;

Places of installation: mainly including fan coils, air handling units, ducts of central air conditioning units, etc.

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