

## UVION PATHOGEN IONIZER

Wall Type; Atmospheric Plasma Pathogen Ionizer

### Technical Specifications / Datasheet



#### AREAS OF USAGE

Hospitals, hospital corridors, infirmary and clinics, schools, classes, bank branches, offices, conference rooms, lobbies, restaurants, cafeterias and cafes, public transportation vehicles, dormitories-wards, food warehouses, isolation rooms, ... in short everywhere we live.

Patogen Ionizer is used for all areas where sterilization and hygiene are needed. Especially, hospital rooms (laboratories, examination rooms, clinics, etc.), where there is a risk of contamination (such as military wards, classrooms, banks, offices, government offices, etc.), hygienic workshops, at home in patients with LOW IMMUNE SYSTEMS and hazardous materials, Ethylene Agents and any ambient where microorganisms are not desired.

|                                              |                                                           |
|----------------------------------------------|-----------------------------------------------------------|
| MODEL                                        | Uvion Pathogen Ionizer                                    |
| TYPE                                         | Wall Type Pathogen Ionizer Device With Atmospheric Plasma |
| CLASS                                        | MODUL A - CLASS I                                         |
| <b>PHYSICAL AND TECHNICAL SPECIFICATIONS</b> |                                                           |
| EXTERIOR DIMENSIONS (W-D-H) (mm)             | 630 x 150 x 325mm                                         |
| DELIVERY PACKAGE SIZES (cm)                  | 68 x 20 x 38cm                                            |
| WEIGHT (kg)                                  | 10                                                        |
| WORKING MODE                                 | Internal Loop Within the Ambient                          |
| TOTAL AIR CHANGE CAPACITY                    | ≤ 210                                                     |

|                                                |                                                                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| (m3/h)                                         |                                                                                                                                          |
| EFFECTIVE AREA                                 | Average Effective Field Capacity 80 m <sup>3</sup> Volume                                                                                |
| BIO DECONTAMINATION                            | 96% ≤ bio decontamination within the first hour                                                                                          |
| BIO DECONTAMINATION ACTIVITY                   | Unfiltered Resistant Long Ethylene Agents, All Types of Microorganisms, Virus, Influenza, RSV Pathogens, Mold, Mushroom, Pollen ... etc. |
| DEVICE CHASSIS                                 | Stainless steel                                                                                                                          |
| SOUND VOLUME (1 m)                             | 46 dB                                                                                                                                    |
| AIR FLOW METHOD                                | Lateral Suction Blow Down (Turbulence Feature)                                                                                           |
| ELECTRICAL INFORMATION                         | 220-230V AC 50-60 Hz, 165W                                                                                                               |
| SAFETY CLASS                                   | IP20 / EN 60601-1-2:2016                                                                                                                 |
| UVION MODULE                                   | Atmospheric Plasma<br>Negative Ion Generator                                                                                             |
| ION GENERATOR                                  | TiO <sub>2</sub> , AgI, CuS coated cylindrical borosilicate glass tube ion generator                                                     |
| ATMOSPHERIC PLASMA                             | HV (5000 V plasma) source                                                                                                                |
| UV LAMP                                        | 2 pieces 15W UVC 254 nm germicidal lamp                                                                                                  |
| <b>CERTIFICATES</b>                            |                                                                                                                                          |
| ISO 9001                                       | YES                                                                                                                                      |
| ISO 13485                                      | YES                                                                                                                                      |
| EC CERTIFICATE                                 | YES                                                                                                                                      |
| FREE SALES DOCUMENT                            | YES                                                                                                                                      |
| USABILITY TEST APPROVAL                        | YES                                                                                                                                      |
| <b>INSTALLATION PROPERTIES</b>                 |                                                                                                                                          |
|                                                | Easy installation with 3-4 screws with plastic dowel bracket                                                                             |
| <b>MAINTENANCE PERIOD AND MAINTENANCE KIT</b>  |                                                                                                                                          |
| UV LAMP<br>(2 PCS)                             | 1 time per year                                                                                                                          |
| UVION PATHOGEN IONIZER<br>UNIT (1 SET) (1 SET) | 1 time per year                                                                                                                          |