Air without bacteria and viruses due to UV-C radiation

HOW IT'S WORKING

It is widely known that the air contains many pathogens - bacteria, viruses, mites, fungi, etc. In addition, research by Finnish scientists in 2020 in connection with the coronavirus epidemic confirms that even if we sneeze or cough in the sleeve, the aerosol from our lungs remains up to 4 minutes in the air before falling to the surface, and in addition with the movement of air can move up to 8 meters. In addition, studies by Italian scientists confirm the presence of many pathogens, including coronavirus COVID-19 in SMOG.

The technology of sterilization with UV-C radiation has been known for many years. Most of us still remember the purple fluorescent lamps in the doctor's offices that shone when the doctor left after work. They just sterilized the surfaces. UV-C radiation is biocidal not only against bacteria and viruses, but also damages eyesight and causes severe skin burns if the fluorescent lamp acts directly on the skin. Therefore, such technologies can only be used when nobody is in the sterilized room or when the fluorescent lamp is covered by a housing.

That's why the IQ is so revolutionary - it gives the user the benefits of UV-C sterilization and eliminates all the disadvantages of this technology, because the UV-C fluorescent lamp is enclosed in a housing.

The IQ series air purifiers work in such a way that they pre-filter the air with a active carbon filter, cleaning it from PM dust, then the air goes to the chamber in which it is exposed to UV radiation. Purified air is removed from the device and returns to the room. The air within one room is filtered continuously. An exemplary room of a small hair salon with an area of 60 m2 and a height of 2.5 m will be completely filtered twice per hour by the IQ mini 150 device.

Technical data:

Light source power: 1x11W	UV-C lamp durability: 8000h
Max airflow: 150m3/h	Sound power level: 45dB
Fan power: 21 W	Protection class: I
Total power: 32W	Dimensions: 600x150x150