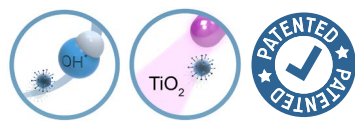




Characteristics

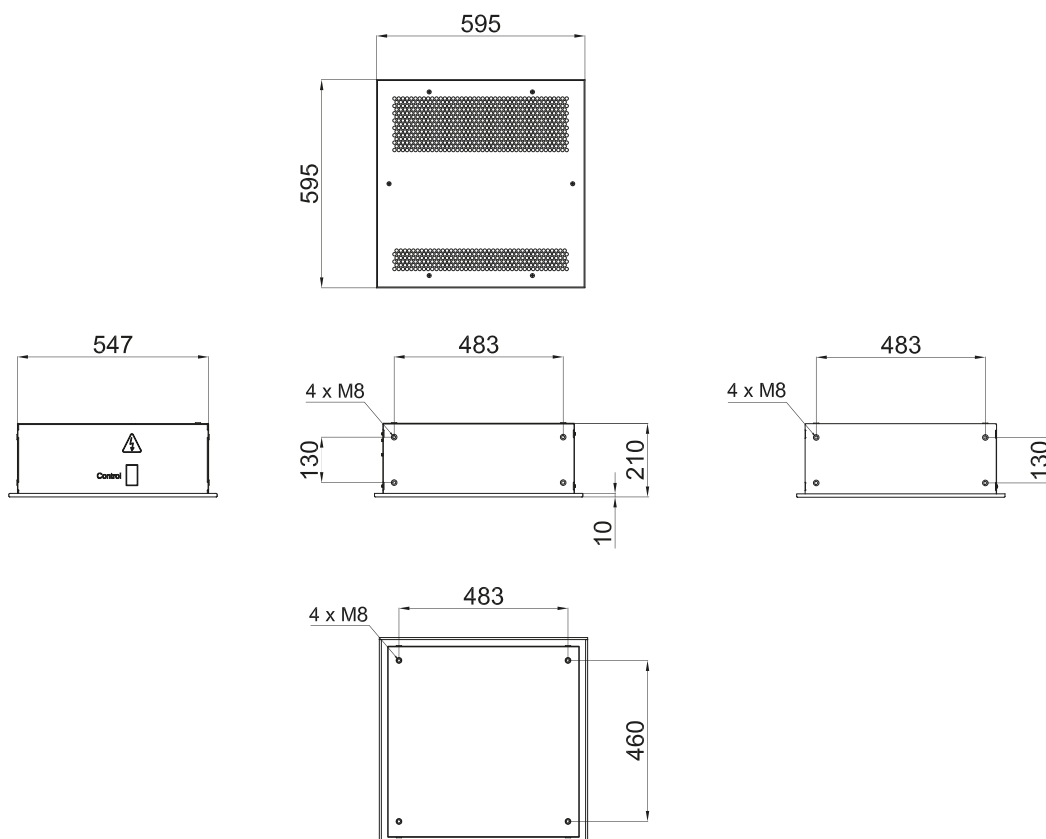


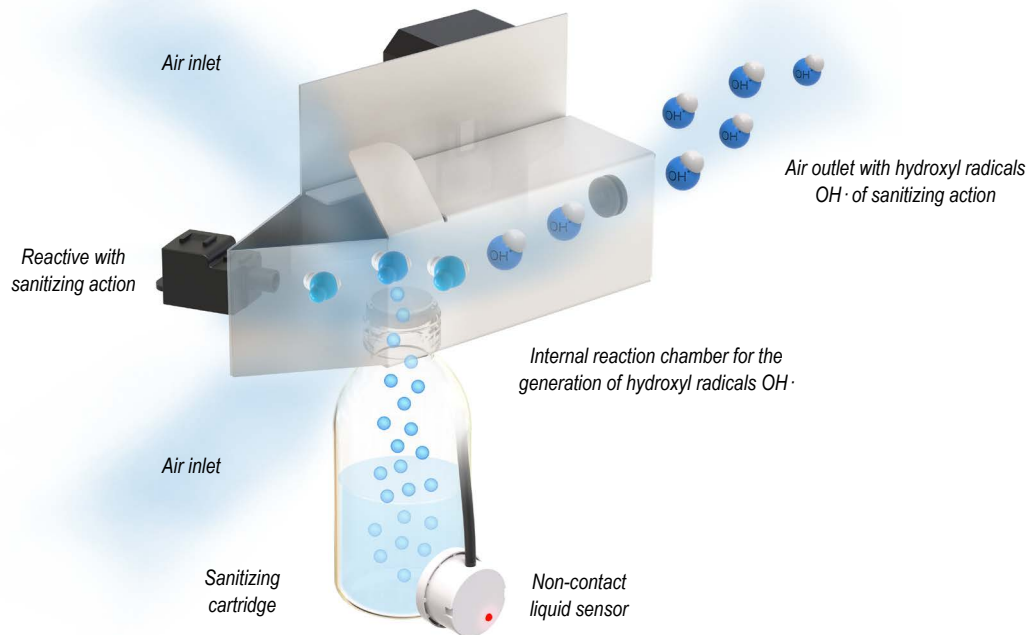
- Combines a double patented purification technology through the generation of hydroxyl radicals $\text{OH}\cdot$ and the effect of photocatalysis.
- Innovative OH active technology with efficient production of hydroxyl radicals, which sanitize both air and surfaces through a chain reaction. Through Advanced Oxidation Processes (AOP) inactivates pathogenic microorganisms (viruses and bacteria), improves air quality (reducing volatile organic compounds and suspended particles) and eliminates odours.
- Kleenfan technology with photocatalytic disinfectant action fans. UV-A rays, from the long-life LED, act on the titanium dioxide of the turbine generating Reactive Oxygen Species (ROS) that, through oxidation / reduction reactions, deactivate a wide range of pathogenic microorganisms (viruses and bacteria). It mineralizes most of the pollutants present in urban areas produced by vehicles and industry (NO_x , SO_x , CO_x , formaldehydes, VOCs, etc.).
- Medium range in open spaces of 1000 m^3 (~ 300 m^2).
- Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optional Advanced Clever control (programmable, automatic, intelligent, energy saving, Modbus RTU for BMS...) and air quality sensor monitor.
- Self-supporting casing construction made of galvanized steel plate, ready to be installed recessed in a false ceiling.
- Inlet grille (free of maintenance) integrated in a single white frame colour RAL 9016. Other colours are available on request.
- Low noise twisted cross-flow fan driven by a 2-speed external rotor motor.

Specifications

Model	Airflow m^3/h	Fan Power 230V-50Hz W	Fan Current 230V-50Hz A	Noise Level (5 m) dB(A)	Weight kg
K7 600 A OH+FC	105/315	33,4	0,09/0,17	31/37	16

Dimensions



Technology with Hydroxyl Radicals $\text{OH}\cdot$


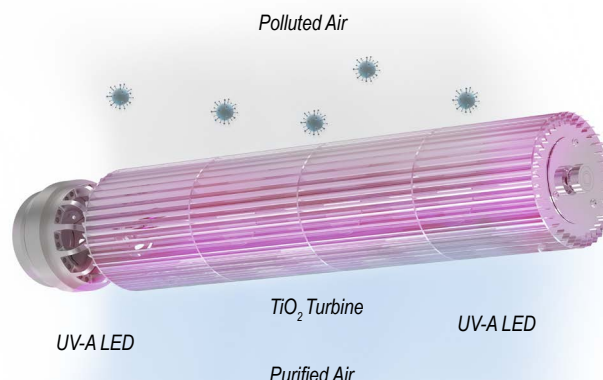
Innovative and disruptive patented technology which effectively generates and expands hydroxyl radicals ($\text{OH}\cdot$) that by oxidation:

- Inactivates pathogenic microorganisms both in the air and on surfaces (viruses and bacteria)
- Improves air quality by reducing volatile organic compounds (VOCs) and suspended PM particles
- Eliminates odours

The hydroxyl radical ($\text{OH}\cdot$) is the most important natural oxidant in the troposphere. It is vital in the removal of greenhouse gases such as carbon dioxide or methane.

Clean and safe technology which constantly produces hydroxyl radicals ($\text{OH}\cdot$).

Hydroxyl radicals ($\text{OH}\cdot$) are an active sanitizing technology that, through the effect called “respiratory explosion”, create a series of chain reactions which quickly inactivate pathogenic microorganisms not only from the air but also from the surfaces.

Photocatalysis Fan Technology (UV-A Led & TiO_2)


- Kleenfan technology with photocatalytic disinfectant action fans.
- Photocatalysis starts from the natural principle of decontamination of nature itself. It is a natural phenomenon that, mimicking photosynthesis, accelerates a photoreaction through the action of light on a catalyst.
- UV-A rays, from the long-life LED, act on the titanium dioxide in the turbine generating Reactive Oxygen Species (ROS) that cause advanced oxidation processes (AOP), deactivating a wide range of pathogenic microorganisms (viruses and bacteria).
- This catalytic reaction produces oxidation reactions in organic compounds and reduction in inorganic ones, in addition to significantly reducing suspended particles.
- Mineralizes most of the pollutants present in urban areas produced by vehicles and industry (NO_x , SO_x , CO_x , formaldehydes, VOCs, etc.).