

AIR DECOR Air purifier

Year: 2022



DESCRIPTION

The Air Decor contains a purification system: a small fan sucks in the air channeling it into a screened area, where it is treated due to the combination of UV rays and selective filters.

Once sanitized, the air flow is reintroduced to the environment through the filter located in the lower part. Each room will be deprived of pollutants of any nature, be they chemical, such as the residues of some solvents or detergents; physical, such as particles of smoke or smog; biological, such as mold and bacteria.



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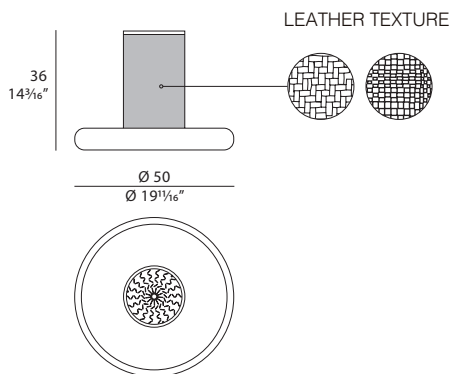
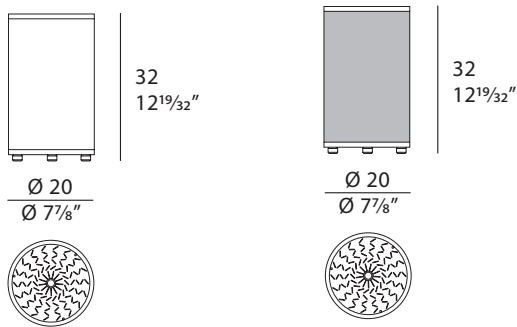
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TECHNICAL:

Air purifier and sanitizer with UV-C UV-A LED and selective filters

Material: aluminum / **Finishing:** canaletto walnut wood or covered with blue leather with Turri logo / **Treated air volume:** 180 m / **Treatable space:** 50 m² / **Cadr (clean air delivery rate):** 150 m³/h / **Air cleaning system:** Cleaner 1 G4 type - Cleaner 2 F7 type / **UV-C LED operation:** 275 nm / **LED duration:** 20000 h / **Certification:** CE

DRAWINGS:

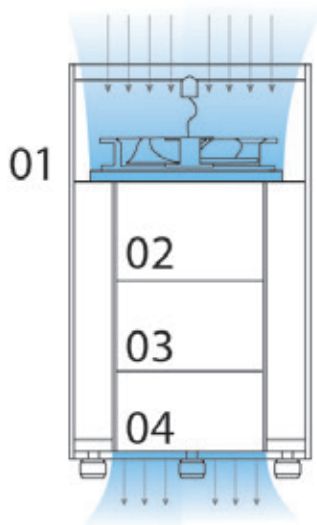


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SANITISING THE ENVIRONMENT

The UV-C lamp in Air Decor is made by Seoul Viosys, the global leader in LED production. The germicidal action of UV-C has been recognised for many years, and is considered effective in eliminating pathogenic microorganism, virus and bacteria. Many scientific publications certify its effectiveness, even on new viruses.



1. The air is vacuumed from the top of the device by a 7-blade fan that channels the air into an aluminium cylinder that completely shields UV radiation and allows use in the presence of people. The air passes through a first filter which retains the coarser particles, dust and other macromolecules.

2. The air then passes into the intermediate part of the device where there is a catalytic filter of Titanium Dioxide and a 365 nanometer UVA LED. Photocatalysis is activated to act on pollen, molds, spores, COV and bacteria.

3. The air is then channeled to another part of the device where there are two UVC LEDs with 4,000 microwatts of power and 275 nanometers of wavelength. This step allows us to treat viruses (including human coronavirus with certified laboratory tests affiliated with the University of Ferrara which certify their effectiveness at 99.99%) and bacteria.

4. Finally, the air is treated with an F7 filter and comes out from the lower part of the device purified and sanitized.

SPECIFICATIONS

- Air Decor is an air sanitizer and purifier certified as a Class I Medical Device.
- Certified for use in the presence of people, it does not produce or use ozone.
- It combines 4 different technologies for a simultaneous action on chemical, physical and microbiological pollution.
- UVC, UVA LED and selective filters technology.
- It improves indoor air comfort
- Acts on Bacteria and Viruses, including Covid-19
- In one hour it sanitizes and purifies 180 m³ of air
- Suitable for rooms up to 50 m²
- It consumes only 15W
- Quiet, only 30 dB
- Safe, used where there are people
- CE certified
- Ozone free
- Designed and produced in Italy

MAINTENANCE

Maintenance is limited and therefore operating costs are minimal. The catalytic filter is eternal, the UVA and UVC LEDs have to be replaced every 20,000 hours. Leaving the device turned on for 8 hours a day is almost 6 years without maintenance. The outlet filter is replaced every 6 months. Easy to use, once connected to the mains via a power socket, it can be operated with a simple power button.