



UV-CLEAN AIR

Disinfection system UV-CLEAN AIR significantly reduces the micro-biological and virological contamination on the seats, handles, buttons and all surfaces inside the transport vehicles like buses, coaches, trains, airplanes, etc.

UV-CLEAN AIR is a UV-lamp based ozone generator. As opposed to electrical discharge devices such as corona, barrier and silent discharges it does not produce any poisonous Nitrogen Oxides - NO_x, only Ozone.

Ozone as a strong oxidizer, eliminates within tens of minutes, bacteria and viruses on all surfaces – including metal, glass, textiles and plastics.

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The UV-CLEAN AIR provides:

- eliminating of odors
- no need for chemical disinfection
- disinfects all surfaces inside the vehicle
- there is no “shadow effects” for the UV-CLEAN AIR
- no UV-light escapes outside the UV-CLEAN AIR





Features:

- VUV lamp (184.9 nm) ozone forming
- powered by an electronic ballast
- dimensions: 330 x 170 x 110 mm
- air flow: 25 m³/h
- mains: 230 V, 50/60 Hz
- count down timer up to 15 h
- CE-mark (LVD - EMC - MD - RoHS)
- protection class IP45



Principle of Operation:

Place the UV-CLEAN AIR inside the vehicle with a volume up to 20 m³. (If larger add another unit). Close the doors, windows and ventilation openings. Connect UV-CLEAN AIR to the mains and start the device with the count down timer adjusted for 1-3 h.

UV-CLEAN AIR starts the generation of Ozone. After that ventilation of the vehicle is required.

TECHNICAL STANDARDS APPLIED:

UNI EN ISO 12100-1	Safety of Machinery - Basic Concepts, General Principles for Design - Part 1: Terminology, Basic Methodology. (2005)
UNI EN ISO 12100-2	Safety of Machinery - Basic Concepts, General Principles for Design - Part 2: Technical Principles (2005)
UNI EN ISO 13857	Safety of Machinery - Safety Distances to prevent danger zones being reached by the upper and lower limbs (2008)
EN 953	Safety of Machinery - Guards - General Requirements for the Design and Construction of fixed and movable guards
EN 954-1	Safety of Machinery - Parts of the Control System related to the Safety - General Design Principles (1998)
EN 1088	Safety of Machinery – Interlocking Device - Requirements relating to Fasteners for Interlocks (2007)
EN 60204-1	Safety of Machinery. Electrical Equipment of Machines. Part 1: General Rules (2005)
EN 60439-1	Low-voltage Switchgear and Controlgear Assemblies. Part 1: Type-tested (TTA) and partially type-tested assemblies (PTTA)

Technical Data

model	D, mm	room, m ³	power, W	Ozone, g/h	art. no.
UV-CLEAN AIR	330 x 170 x 110	20	32	0.2	A000908