SURFACE Disinfection

uv-fresh®

UV-HALI

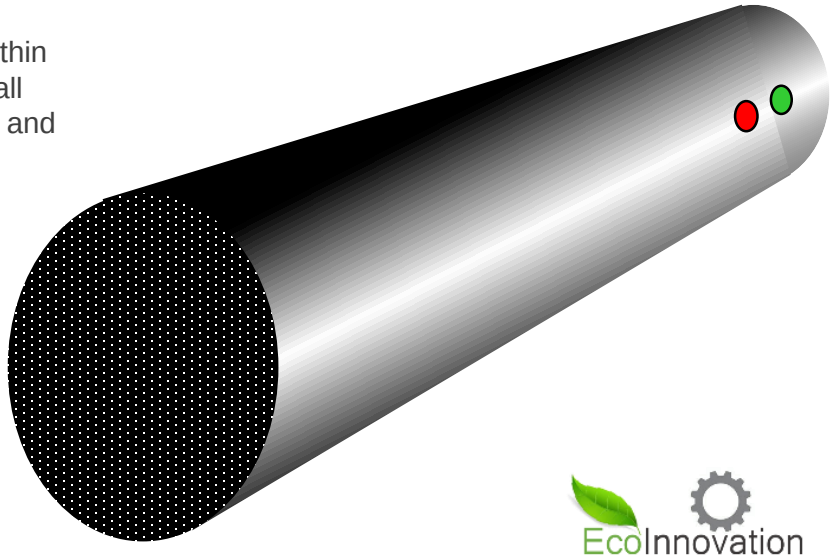
Disinfection system UV-HALI significantly reduces the micro-biological and virological contamination on the carpets, handles, buttons and all surfaces inside buildings.

UV-HALI 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.

The UV-HALI provides:

- microbiological disinfection
- virological disinfection
- no need for chemical disinfection
- disinfects all surfaces inside the room
- there is no “shadow effects” for the UV-HALI
- no UV-light escapes outside the UV-HALI



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EcoInnovation

Features:

- VUV lamp (184.9 nm)
- Stainless Steel body AISI 304
- powered by electronic ballasts
- dimensions: D = 304 mm, L = 1200 mm
- air flow: 500 m^3/h
- mains: 230 V, 50/60 Hz
- count down timer
- CE-mark (LVD - EMC - MD - RoHS)

Principle of Operation:

Place the UV-HALI inside the room with a volume up to 500 m^3. (If larger add another unit). Close the doors, windows and ventilation openings. Connect UV-HALI to the mains and start the device by the timer. UV-HALI starts the generation of Ozone for 1 h. It is enough for the 99.99% elimination of viruses and bacteria. Opening the doors, windows in the room should be only after 3 h after the operation was started – the red control lamp goes out and the green control lamp goes on.
The 3rd-hour period is necessary for the natural decomposition of Ozone back to Oxygen inside the room.

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	L, mm	power, W	Ozone, g/h	art. nr.
UV-HALI	304	1200	500	20	prototype

Spare Parts

model	lamp	ballast	timer	fan	notes
UV-HALI	A00xx	A00xx	A00xxx	A00xx	