SURFACE Disinfection

uv-fresh®

UV-DISCORON

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

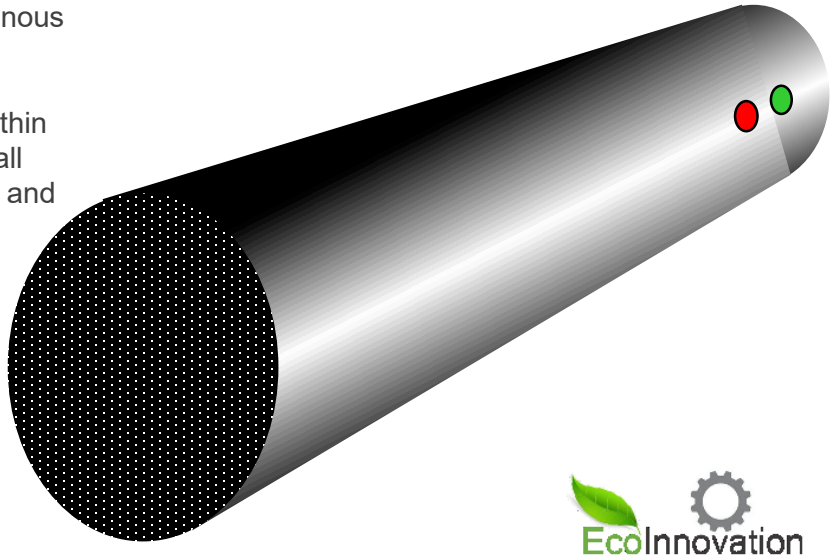
UV-DISCORON is a UV-lamp based ozone generator. As opposed to electrical discharge devices such as corona, barrier and silent discharges it does not produce any poisonous Nitrogen Oxides - NO_x, only Ozone.

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

uv-technik meyer gmbh
Glauburgstraße 34
63683 Ortenberg
Germany
phone +49 6041 962 80
fax +49 6041 505 77
info@uv-fresh.com
www.uv-fresh.de

The UV-DISCORON provides:

- microbiological disinfection
- virological disinfection
- no need for chemical disinfection
- disinfects all surfaces inside the vehicle
- there is no “shadow effect” with the UV-DISCORON
- no UV-light escapes outside the UV-DISCORON



EcoInnovation

SURFACE Disinfection

uv-fresh®

Features:

- VUV lamp (184.9 nm)
- Stainless Steel Body AISI 304
- powered by electronic ballast
- dimensions: D = 304 mm, L = 1000 mm
- air flow: 200 m^3/h
- mains: 230 V, 50/60 Hz
- remote control
- CE-mark (LVD - EMC - MD - RoHS)

Principle of Operation:

Place the UV-DISCORON inside the vehicle with a volume up to 50 m^3. (If larger add another unit). Close the doors, windows and ventilation openings. Connect UV-DISCORON to the mains outside the vehicle and start the device with the remote control.
UV-DISCORON starts the generation of Ozone for 1 h. This is enough for the 99.99% elimination of viruses and bacteria. Opening the doors, windows of the vehicle 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 3hr period is necessary for the natural decomposition of Ozone back to Oxygen inside the vehicle.

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^2	art. nr.
UV-DISCORON	304	1000	100	5	P0014

Spare Parts

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