

JOURNAL

PROsens X: Plug & Play infection control for escalators and moving walkways - innovative, effective and self-sufficient



Shopping centre, hospital, public authority, office, airport or underground: many people use escalators every day. Pathogens can collect in the area of the handrails, because our hands transmit numerous germs. This is why, not only since the Corona pandemic, many people avoid holding on to the handrails of escalators - and thus expose themselves to the risk of falling. The PROsens X disinfection module eliminates the problem with innovative technology and ensures safety as well as a good feeling: users can once again hold on to the handrail with peace of mind - protection against smear infections and accidents in one.

Handrail disinfection with UV-C - clever, effective, safe and sustainable

UV-C light against germs: GoGaS has been setting global standards in the field of room air and surface disinfection for years. Like all systems from GoGaS, the PROsens X series from the "Health & Safety" division is based on proven UV-C technology - validated, certified and with independent proof of effectiveness. The PROsens X module is simply mounted at the entrance of the handrails of escalators or moving walkways according to the well-known plug & play principle and effectively protects against smear infections. The technology behind it is effective and safe: PROsens X

disinfects the handrail with integrated UV-C light as it passes through the device. The UV-C light destroys the DNA of viruses, bacteria and germs within the module - 99.9 percent of all pathogens on the surface and sides of the handrail are thus rendered harmless within seconds. During UV-C disinfection according to WHO standards, no dangerous radiation is emitted to the outside. PROsens X provides reliable, chemical- and ozone-free protection, thus giving all users maximum safety and peace of mind.

PROsens X: The big plus for safety, environment and balance sheet

The innovative technology behind PROsens X works ozone-free and without the use of harmful chemicals. Like a dynamo, the modules feed their energy from the rotation of the handrail and run completely self-sufficiently around the clock without an external power connection. In addition, all components are fully recyclable - more sustainability is hardly possible! PROsens X not only protects the environment, but also your wallet: in addition to the high energy efficiency, the compact design of the module allows for easy and simple installation: no complex conversion measures are necessary. The PROsens X modules work according to the plug & play principle, do not require any intervention in the existing electronics or control system and are compatible with practically all escalators and moving walkways.

PROsens X provides safety according to WHO standard - and increases attractiveness according to ESG standard

Customers who feel safe are happy to come back - stickers, which GoGaS supplies on individual customer request, indicate the modern hygiene concept on escalators and moving walkways. The increased safety for visitors, customers and staff also fulfils the increasingly important ESG criterion "S" for "Social" and can also make the technology used attractive for potential investors - infection control with vision!

PROsens X: All advantages at a glance:

- High efficacy: eliminates viruses, bacteria and germs.
- With seal of approval: certified effectiveness and validated technology, independently proven
- Effective & fast: continuous infection protection 24/7
- Built-in dynamo: no external power connection, no cables, no intervention in the control system
- Modern, elegant and compact design, high quality materials
- Very quiet and unobtrusive during operation
- Easy installation in new and existing systems, no conversion necessary
- Compatible: available in 4 versions for all common escalators and moving walks
- Customized printing possible

- Safe system: UV-C light cannot get outside
- Environmentally friendly: disinfection is chemical and ozone-free
- Sustainable: all components are fully recyclable

The extra plus in safety: Infection protection also for lifts - safety from a single source!

Shopping centre, railway station, office building: where people move by escalators and moving walkways, they usually also use lifts - another challenge for infection control, as many passengers congregate there in a small space and infectious aerosols can spread quickly. Health protection should therefore not only apply to escalators and moving walkways. With its LIFTsens® 25 and LIFTsens® 50 air disinfection boxes, GoGaS offers the perfect solution for disinfecting the room air in lifts - naturally with the proven UV-C technology: the cabin air is drawn into the interior of the inconspicuous boxes and irradiated there with short-wave, very high-energy UV-C light. Pathogens such as viruses, bacteria and fungi can no longer multiply and are rendered harmless because the UV-C light destroys their DNA. The disinfected air flows back into the lift cabin - without any draught. The devices are absolutely safe because no UV-C light can penetrate to the outside and disinfect so quietly that passengers are not disturbed. A special safety technology also reliably protects against manipulation. LIFTsens® 25 disinfects 25 cubic metres of air per hour and is designed for installation in small passenger, freight and cargo lifts. The LIFTsens® 50 box disinfects 50 cubic metres of air per hour and is suitable for installation in passenger lifts with high levels of public traffic as well as for installation in larger goods and freight lifts. Both units are compatible with all models of common lift manufacturers, and installation in existing lifts is also possible without any problems at a later date. Safe, innovative, practical and environmentally friendly: GoGaS UV-C technology is certified, validated, compliant with medical standards and free of chemicals and ozone!

This is GoGaS

Established in 1946, GoGaS has become a key innovation and technology partner to many customers and Who is Who in their industries, providing sustainable, environment friendly and innovative turnkey solutions for buildings, manufacturing process up to CO2 neutral operation. The unique portfolio includes a wide range of modular system and turnkey solutions such as IR, UV, UV-C, Air-condition, Heating, Cooling, Ventilation, Solar Systems and others for stationary, mobile and portable in- and outdoor applications. The company is active in several standardization committees, defining the next generation of technology standards such as TGA+.

GoGaS is a stakeholder in leading trade associations and initiatives, e.g. the German Engineering Association e.V. (VDMA), figawa, Export Initiative Energy, ELVHIS. (VDMA), figawa, Export Initiative Energy, ELVHIS. As an active partner of the Sustainability Initiative "Blue Competence", GoGaS is also driving the future of environment friendly and energy efficient planning, building and operating of B2B buildings, thus optimizing its CO2 footprint and maintaining the highest possible asset valuation, ROI and TCO for investors, owners, operators and tenants at the same time. The company is also involved in key research programs of the EU and industrial technology partners. GoGaS provides its customers with turnkey solutions, reducing the number of interfaces, eliminating delays in the Supply Chain and project execution and provides a lifetime warranty and support service.

Corporate Video

For more information about GoGaS, klick on the link below and watch our latest corporate Video.

<https://www.gogas.com/en/company/corporate-video>

GoGaS Goch GmbH & Co. KG

Zum Ihnedick 18
D-44265 Dortmund

T: +49 231 46505 0
F: +49 231 46505 88

news@gogas.com
www.gogas.com