



THE FUTURE OF CHEMICAL-FREE DISINFECTION

UV DISINFECTION EXPERT

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Daan Hoek | Co-Founder UV Smart

Beyond Clean UV Disinfection Expert™:

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Proper cleaning and disinfection of medical instruments are vital to prevent the spread of dangerous microorganisms. Standards have been set by organizations like the CDC and NEN, requiring processes that kill all but 1 in 1,000,000 microorganisms.

Problems with Chemical Disinfection: Traditional disinfection methods rely on harsh chemicals, leading to several issues:

- **Harm to Medical Personnel:** Chemicals like hydrogen peroxide can cause eye damage and asthma.
- **Damage to Equipment:** Disinfectant chemicals can harm delicate medical equipment, including metals and plastics.
- **Cost and Waste:** Chemical disinfection is costly, wasteful, and environmentally unfriendly, consuming energy and generating CO₂.

The Traditional Process: The conventional process involves manual pre-cleaning and specialized washing machines that use hot water, detergent, and chemicals. This process can take up to 4 hours and consumes many gallons of clean water.

A More Reliable, Greener Alternative: UV disinfection devices offer a sustainable and reliable option. UV-based technology kills all organisms on the surface of a device in just a few seconds, using minimal electrical power. This method saves time, energy, and costs compared to chemical methods, and it's safer for medical staff.

The future of disinfection in healthcare is moving towards chemical-free solutions. UV technology provides an efficient, cost-effective, and environmentally friendly alternative to traditional methods. By embracing UV disinfection, healthcare facilities can enhance safety, reduce waste, and contribute to a more sustainable future. Choosing reputable UV disinfection devices represents a significant step towards greener and more responsible healthcare practices.

Have more UV disinfection questions? Contact Daan at: daan.hoek@uvsmart.nl

Beyond Clean UV Disinfection Expert™ Biography:

DAAN HOEK CO-FOUNDER UV SMART



Daan Hoek is the Co-Founder of UV Smart and very passionate about UV-C light as a disinfecting agent in the medical field. UV Smart is an innovative company based in the Netherlands with an established US office in New York. The UV Smart devices can disinfect medical equipment quickly, efficiently, and consistently by using UV-C light. By refining this ancient technology, UV Smart made it possible to disinfect medical equipment in a rapid and effective way. UV-C light also eliminates the use of chemical disinfectants that are harmful to medical equipment, operators, and our planet, while saving a substantial amount of turnaround time. UV Smart is the front-runner in applying UV-C technology to medical devices. UV Smart is currently active in over 20 countries worldwide.

Daan is also the chairman of the Taskforce UV-C light of the Dutch Normalization Committee. Along with the taskforce, he developed the first European guideline for UV-C disinfection devices in the medical field. He is also in charge of all the clinical (multi-center) studies of UV Smart, three of which are running in the US and in Europe.

If you have any questions regarding UV-C light, feel free to reach out to him!

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