

UV Smart D25 Brochure



*UV Smart contributes to a safer
care environment with validated
and fast UV-C disinfection.*

BENEFITS



Validated Disinfection

Optical sensors control the process for guaranteed disinfection and effective results.



Safe

The Impelux TM technology is safe for all materials and the radiation is not harmful to materials.



Fast cycle

Impelux TM technology ensures consistent and repeatable disinfection in just 25 seconds.



Environmentally friendly

No water, harmful chemicals or liquids needed during the disinfection process. UV-C lamps are recyclable.



User friendly

User-friendly, only 1 socket required, movable and therefore easy to integrate into existing work processes.

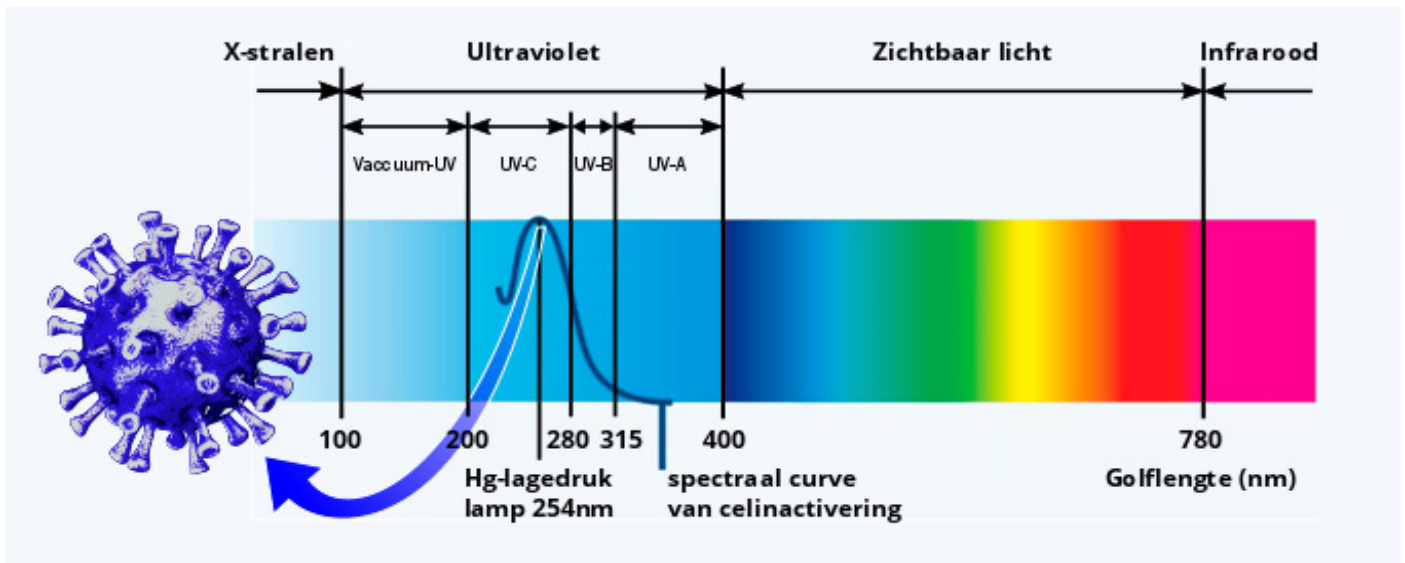
*"It is simple and fast.
This is interesting from a cost perspective and we also save time to replenish our stock in time insecure times."*

- H. van Willenswaard | zonnehuisgroep Amstelland

UV-C LIGHT DISINFECTION

Traditionally, disinfection of small medical instruments and equipment is done mainly in an autoclave with steam, heat, with chemical liquids or disinfectant wipes. High-energy UV-C light (UVGI) has been used for decades for disinfection in water and air treatment systems of, for example, operating theaters. This technique has been further developed and refined over the years, which opened up possibilities for applying UV-C in the disinfection of medical instruments and equipment.

Want to know more about UV-C light disinfection? View the [whitepaper here](#).



FOCUS D25

Healthcare-related infections are a common health problem. The D25 contributes to a safer care environment with validated and fast UV-C disinfection. UV-C is a type of light with a germicidal function. This type of light is used to destroy micro-organisms, including viruses and bacteria, thereby minimizing their spread.

The D25 ensures effective, validated log disinfection of non-critical and semi-critical medical instruments and equipment without using heat, chemicals or liquids. In addition, it is also possible to disinfect tablets, smartphones, glasses, keyboards and other items. This sustainable method does not damage materials.

A disinfection cycle only takes 25 seconds. You should disinfect your hands during this cycle. The D25 opens automatically to ensure that your fully disinfected items can be removed from the device with clean hands.

INSTRUCTIONS

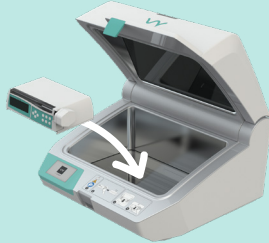
Before the process



STEP 1

Remove visible debris from medical item (s) *

Start of process



STEP 2

Place item (s) into the D25 and close the cover manually

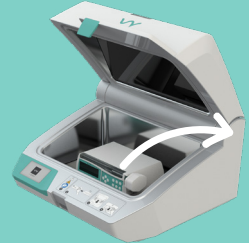
During the process



STEP 3

Disinfect your hands and wait 25 seconds.

Successful disinfection



STEP 4

The valve opens automatically. Take out your item (s).

* **The D25 can be used for:**

- Non-critical instruments (in contact with intact skin)
- Semi-critical instruments (in contact with mucous membranes)

Example items:

Blood pressure belts - Thrust belts - Infusion pumps - Thermometers - DECT telephones - Tablets - Glucose meters - Saturation meters - Ventilation equipment - Nose speculum - Suture scissors - Reflex hammers - Stethoscope - Glasses - Jewelry - Scissors - Tweezers

APPLICATION

The D25 is effectively used in the following departments.

Curious about the experiences? We will put you in touch with the references. Information on request via info@uvsmart.nl.

University Medical Center

- Intensive care en NICU department

Top clinical hospital

- Intensive care en burns center

Care institutions and care homes

PROVEN BY



umcg

Radboudumc



Amsterdam UMC
Universitair Medische Centra



Streeklab Haarlem

[Lab test](#)

Microbiological efficacy of UVC disinfection with UV Smart D25

Radboud University Medical Center

[Clinical test \(Dutch\)](#)

It has been tested for the quality of disinfection and the ease of use of the D25. A pre-measurement was made before disinfection and the post-measurement was performed after disinfection (without pre-cleaning). A total of 400 devices were tested.

University Medical Center Groningen

[Academic test](#)

Research into the effectiveness of UVc Smart, a UVc light machine, in disinfecting various materials contaminated by different bacteria.

OTHER PUBLICATIONS

Below are some relevant publications regarding UV-C light disinfection.

[Disinfection of FFP1 and FFP2 mouthmasks \(Dutch\) - Spaarne Gasthuis](#)

[Disinfection moutmasks by threat shortages \(Dutch\) - Streeklab Haarlem](#)

[Disinfection and reuse of filter masks with face mask and strategies for crisis capacity - CDC](#)

[Germicidal Ultraviolet Radiation Handbook —UVGI for Air and Surface Disinfection](#)

[A method of measuring the available UV-C dose for the decontamination of filter masks with face mask - SFAM microbiology](#)

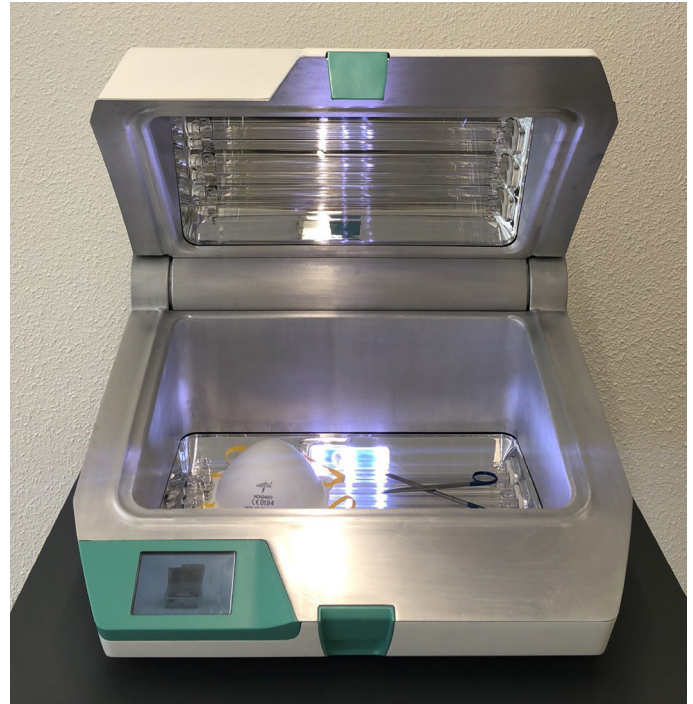
Follow us on social media to stay informed of the latest publications!

TECHNICAL DATA SHEET

Product description

The UV Smart D25 helps create a safer care environment in just 25 seconds. The Impelux™ technology with UV-C light ensures a validated, safe and user-friendly disinfection of medical instruments and equipment without the use of chemicals or liquids. The D25 is ready for use when the lid is open. Remove the visible dirt from the item to be disinfected. Close the lid and the disinfection process will start automatically. Optimal hand hygiene is stimulated during the disinfection process. The D25 opens automatically when the materials are disinfected.

Product photo



Applied to

Non-critical and semi-critical instruments and equipment.

Research

Streeklab Haarlem, Radboud University Medical Center, University Medical Center Groningen.

Effective

Pathogens (bacteria, viruses, spores, fungi, yeasts).

Benefits

Validated disinfection
Environmentally friendly
Fast cycle
Not harmful to materials
Transportable
Robust design

General information

Product name	D25
Class medical device	Ila
Technology	Impelux™ UV-C
Certification	CE klasse Ila
ISO-norm	NEN-EN 60601-1 <i>NEN-EN 14886 is used as a reference</i>
Dimensions	
- closed	557x489x297 mm
- open	557x489x589 mm
Weight	Circa 25kg
UV-C dose	1718 J/m²
Disinfection cycle	25 seconds
Disinfection reduction	Log-5 (99.999%)
Materials	Among others; aluminium, abs, glass and acryl
Maximum power	220W, 2,5A
Warranty	2 years
Average lifespan	5 years
Power source	220-240V, 50/60Hz

CONTACT

Demonstration - On location and / or online

Get in touch with the D25 and see for yourself how it can be implemented in the workflow. Ask all your questions and get a clear answer immediately. A demo can be scheduled via [this link](#).

Research and validation

All studies and publications can be found on the website (www.uvsmart.nl). For more questions about this, you can fill in the contact form.

Purchase?

A quotation can be made by scheduling a [demo](#). The D25 can also be ordered via [Mediq Plus](#). Lease and purchase is possible for the D25.

