

Hand hygiene training screen

Mounting and operating instructions



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1. Revision summary

Revision	Date	Comments/Changes
1.0	16-03-2021	Document created

2. About the documentation

This manual has been made as a basis for the CE marking and is completed in accordance with Directive 2006/42 / EC of the European Parliament and of the Council of 17 May 2006.

The folder contains important information about the installation, including service manual and safety instructions.

It is recommended to keep the folder visible and close to, the machine and inform your staff about it.

3. Equipment overview

The UV-unit contains of:

Defined on the order confirmation.

3.1 Environment for the equipment

3.1.1. Storage and environment

The equipment is not designed for outdoor use or storage.

If the equipment meets saline or acidic moisture or liquid, this should be removed from the system as soon as possible to prevent corrosion.

3.1.2. Requirement before use

The equipment must be included as a component with the buyer:

- Repairs, service, and maintenance may only be carried out by qualified persons with proper training.
- If constructive changes are made to the equipment, the CE marking will lapse.

3.1.3 Disposal of parts

- Consumable items must be disposed of in accordance with current legislation.

3.2. Mounting instructions

Installation of UV systems must be done according to specifications or further agreement.

3.2.1 Connecting and using the device

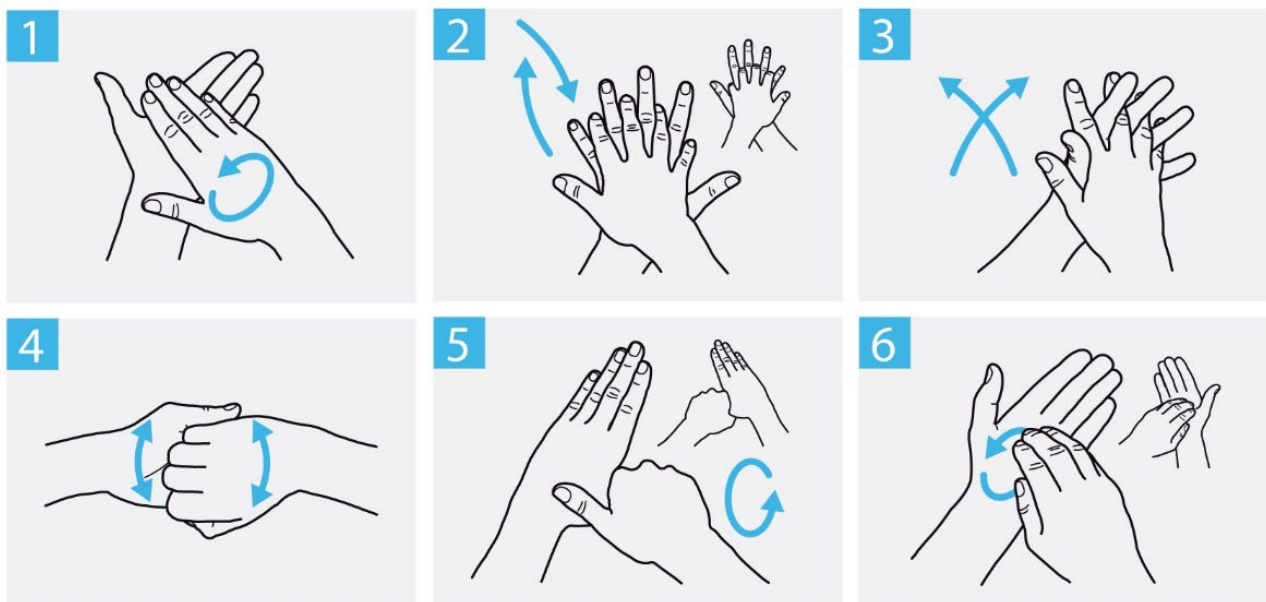
1. The screen is delivered assembled and ready for use.
2. Make sure all packaging is removed and look for damage.

3.2.2 Use

- The cabinet must be used on a level surface and stand so no one can look directly into the UVA cabinet.
- Only used if the clear plastic panel is mounted above the LEDs on the sides.
- Do not use if there is visible damage to the UVA cabinet, cable, or plug.
- The exposure value of UV light has been considered.

3.2.3 Procedure for training of hand washing

1. Add 1-2 pumps of the fluorescent lotion and distribute it as it was a normal thorough hand sanitizer.
2. Place your hands in the cabinet and check if they are fully covered, ie. the entire surface of both hands should light up evenly. Repeat if necessary, the process until the entire surface is uniformly lit.
3. Wash your hands thoroughly, dry and check again in the cabinet. The areas that are still glowing are not washed sufficiently.
4. Repeat as needed and look for improvement.



4. Safety in and around UV equipment

4.1 Exposure:

Overexposure to UVA light can cause unwanted side effects such as erythema (sunburn), eye inflammation and photokeratitis (photosensitivity) for a short time (acute effect) and can lead to premature aging of the skin, skin cancer and cataracts because of repeated exposure for a long time (chronic effect).

The key to avoiding overexposure is by following these instructions:

Commercial UV light exposure in the EU, is determined by Artificial Optical Radiation Directive 2006/25/EC. It contains the applicable rules on limits for UV light.

If people are exposed to UV light from artificial sources, it is necessary to assess the risk level of unwanted side effects on health by determining a personal UV light exposure level and comparing it with the value limits of the exposure.

Where the personal UV light exposure level meets the exposure limit values, the risk will be considered low for most of the population and should be controlled as far as possible.

Where the personal UV light exposure exceeds the exposure limit, additional control measures must be implemented to reduce the exposure to current legislation.

4.2 Control measures

The purpose is to ensure that, UV light exposure limits for unprotected skin and eyes, should not be exceeded. This can be ensured through control measures.

a. Risk

All people who may be exposed to unusual levels of UV light exposure limit or significant exposure must have adequate information and training to understand the associated risk to their health and safety precautions. Anyone who discovers a form of abnormal or unwanted reaction that could be considered due to exposure to UV light should not be exposed to UV light in the future.

b. Compliance with the exposure limit of UV light to unprotected skin and eyes in accordance with control of artificial optical radiation, 2010

The exposure limit of the UV light is defined by the level of exposure of the UV light that is below the assumption that almost all individuals can be exposed to repeated times without any undesirable effect on health.

Some people may be photosensitive or exposed to photosensitizers and therefore the exposure limit may not be adequately protected. These individuals should seek medical advice for additional protective measures that may be required prior to any exposure to UV light.

Using the UV LED cabinet, as described, results in such a sufficiently low exposure that most individuals do not need to limit their use. Smaller children and people who are unusually sensitive to light or exposed to photosensitizers should limit their use of the UV LED cabinet to a ten-minute period during the 8 hours – this refers to the time their hands are inside the cabin and exposed to UV light.

5. Environment

5.1 Disposal

Before disassembling the unit, a plan for disassembly must be made.

The plan must include a risk assessment for the work as well as the disposal of the unit and its parts.

Plan and risk assessment must be made according to current regulations at the time of disassembly.

The unit is dismantled and sorted in categories as required by applicable environmental requirements.

The unit is subject to Directive 2008/98/EF and Directive 2002/96/EF on waste. When the unit is obsolete, all existing components must be sorted and handed in at an approved recycling site, or at an approved recycling company. The unit must not be disposed with unsorted household waste. Use the local collection facilities for disposal of electrical and electronic components and ensure that all relevant regulations are observed.

The unit consists of the following parts and must be sorted accordingly:

- Aluminum
- Plastic (hard and soft)
- Rubber
- Electrical components
- Electronics
- Copper
- Other metals

If parts of the unit are resold for purposes other than disposal, it is the owner's responsibility to make the recipient aware of the disposal rules.



6. Service and maintenance

The machine must be switched off and cooled down before servicing.

- Maintenance should only be performed by qualified personnel.
- Only use original spare parts supplied by NATDIS.

7. Cleaning of the unit

7.1 Purpose

Systematic cleaning is part of the maintenance of the unit and contributes to the optimal function. At the same time, cleaning will ensure continuous inspection of the condition of the unit.

The following sections provide procedures that describe how to perform routine cleaning of equipment provided by NATDIS.

7.2. Precautions

Equipment supplied by NATDIS may only be cleaned when the unit is switched off and in a safe mode.

All work on UV units requires that the unit is secured before work begins.

Cleaning may only take place when the unit is switched off and cooled down!

Always comply with local regulations when choosing detergent. Follow the warnings and safety descriptions on the individual containers and safety data sheets. Abrasives must not be used.

7.3. Cleaning

Keep the inside of the cabinet free of the fluorescent lotion.

Wipe the cabinet with a damp cloth and if necessary, an alcohol-based cleaner.

7.3.1 Frequency of cleaning

The cleaning frequency depends on the production conditions. The cleaning intervals may vary.

Abrasives must not be used.

7.3.2 Detergents

Always observe the legal regulations when choosing detergent. Follow the warnings and safety descriptions on the individual containers and safety data sheets.

9. Liability and Warranty

This UV LED cabinet is covered by our standard warranty of 1 year from the time of delivery.

Our general terms of sale and delivery are always valid.

We cannot be held responsible for damages caused by:

- Operating errors caused by non-compliance with these guidelines.

Warranty lapses upon:

- Operation with spare parts that are non-original
- Defective and incorrect installation
- Installation of unsuitable accessories
- Incorrect operation
- Removal, manipulation, or removal of safety equipment
- Unproper performance of service and maintenance
- Wear and lack of maintenance
- Impacts in the environment or installation, which we did not have the opportunity to anticipate at the time of dimensioning.