Heraeus

User instruction

UV lamp

Safety information

Disregard of the safety regulations or improper operation of the UV lamp may lead to injuries and material damage.

This product is a special purpose lamp in the sense of EU-regulation 244/2009 and not suitable for household room illumination.

The owner of a UV lamp must provide a procedure-specific operating manual with instructions for the operating personel.

DANGER! Ultraviolet radiation!

This product belongs to risk group 3 (high risk) according to EN 62471:2009. UVC radiation is harmfull to both eyes and skin.

Take appropriate safety precautions to protect yourself against direct contact with the dangerous UV radiation (wear protective clothes, mark the working area, etc.).

System components made of or coated with plastic must be protected from UV radiation (e.g. with metal foil).

DANGER! Explosion hazard

The UV lamp must not be operated in an atmosphere where there is danger of explosion, as this risks ignition throuh contact with the UV lamp.

Area of application

The UV lamp is a mercury lamp for industrial use in processes that require UV radiation in the wavelength range between UVC and UVA.

Any use other than stated in this manual may involve unknown hazards and risks and must therefore be avoided!

The technical data will be found on the data sheet of the UV lamp.

Transport/ Installation

Transport the UV lamp in its original packing to the place of installation.

Avoid touching the quartz tube with your fingers. Soil on the quartz tube leads to radiation losses. Wear linen gloves.

Before using the UV lamp, check it for mechanical damage.

Never use damaged UV lamps.

Start

The UV lamp must be started with special ignitors. The cold lamp reaches its maximum performance after about 3 minutes. During operation, it is necessary to limit the current.

Cooling

The UV lamp must be cooled. The external cooling must be adjusted so that the temperature of the pinched base does not exceed 300 °C (measured to IEC 60682).

The insulated cable end has a maximum permitted operating temperature of 260 °C. Allowing for ohmic loss and possible heat dissipation,depending on type and conditions of installation, the maxiumum permitted operating temperature may never be exceeded.

End of operation

After the UV lamp is switched off, it needs to cool about 3 minutes before it is started again.

Standby operation

To avoid having to observe the usual cooling time, the UV lamp should be run during breaks at a reduced output. This will allow instant re-start.

Cleaning

Soiling and fingerprints on the quartz tube should be removed with a clean linen cloth (without finishing agents) soaked in methylated spirit.

Disposal

Because of the specification to be fulfilled by the UV Lamp, it is incorporating mercury and Thoriumoxide-plated electrodes, which is leading to the fact, that at the end of the useful lifetime the lamp has to be treated as hazardous waste, just as energy saving or fluorescent lamps, and must be disposed in accordance with the legal requirements.

This product is in scope and fulfills the demands from the European directives 2012/19/EU and 2009/71/Euratom as well as §110 StrSchV.

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LAMP DISPOSAL

UV and MH lamps contain mercury, and used lamps cannot be disposed of to normal waste; they must be disposed of according to HSE guidelines and WEEE Directives.

WARRANTY CLAIM FORM

Heraeus UV and MH Lamps are manufactured to the highest qualitiy standards. In the unlikely event of a manufacturing fault developing, please fill in the details below:

User Name and Address: _____

_____

Lamp Part Number: _____ Serial Number: _____

Date of Purchase: _____ Installation Date: _____

Equipment in which lamp was installed: _____

Operating Hours: _____

Mode of Failure: ☐ Lamp fails to Ignite ☐ Lamp fails to cure

☐ Other, please describe: _____

Returns Authorisation Numer: _____

Please contact your local Heraeus representative for a returns authorisation number. We regret that we cannont accept a returned lamp without authorisation number.

Email: ambalamps@heraeus.com

Visit our website: Heraeus-noblelight.com/ambalamps