



## Does your UV system still disinfect reliably?

Service for UV disinfection systems in ventilation and air conditioning systems

Operators of building and facilities systems use UV disinfection systems to reduce viruses and germs. Would you like to know whether your UV system is still disinfecting according to original specifications?

Take advantage of our service for maintenance, testing and repair of your system. It does not matter which supplier's UV system you have purchased in the last two years. We are familiar with all current models.

### What does UV radiation do anyway?

Airborne microorganisms such as viruses, bacteria, yeasts and molds are particularly common in highly frequented areas such as airports, medical practices, hospitals,

shopping centers, cinemas, and also in processing and manufacturing facilities. They endanger the health of people, contaminate raw materials or spoil food.

UV radiation reliably reduces germs and improves hygiene and storage conditions. Disinfecting germ-contaminated air in the supply ducts provides a long term germ reduction solution.

UV radiation, especially the short wavelengths, has a strong bactericidal effect. The DNA of microorganisms absorbs the UV which then destroys their cell structure, rendering the living cell inactive.

# We check and maintain your UV system

## Service concepts for one-time inspection to a long-term support

The regular check of the UV system function is the responsibility of the operator. After a service visit, you will receive a report for your records which documents the operational status of your system before and after. You, as the operator, can thus prove you fulfilled your duty of care by having the UV lamp performance checked by a manufacturer.

### Service from the UV technology specialist

**Heraeus Noblelight Service, with its globally active service teams, checks whether your UV lamps or your UV systems, of all makes and models, still operate according to their technical specification:**

- Consultation and review of the available Documentation

#### Short-term measures:

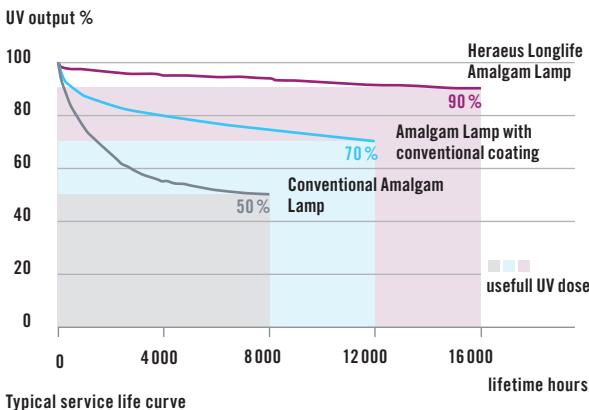
- On-site lamp inspection using Heraeus' MUI system to compare against an available reference lamp
- If no reference lamp is available, we can measure to determine your UV lamp type in our measuring laboratory at our Hanau factory
- Lamp replacement with same type currently in use, if available
- Alternatively, replacement using an equivalent Heraeus UV lamp, e.g. our amalgam UVC lamps with Heraeus longlife technology

#### Long-term measures:

- Support and regular monitoring and maintenance of your UV systems to ensure proper function

### Why is maintenance necessary at all?

Even the best mechanical filters cannot completely prevent the penetration of viruses, bacteria or mold spores. In the case of no UV or an improperly functioning UV disinfection system, the unclean air can cause diseases or infections. Filters can also be a breeding ground for mold.



UV lamps naturally decrease in output over their lifetime. This chart shows the drop in radiation intensity as a function of the duty cycle. At some point the output drops to a point where the UV system can no longer disinfect. Operators cannot see this drop in performance with the naked eye or by using simple electrical measuring methods.



[www.heraeus-noblelight.com/technicalservice](http://www.heraeus-noblelight.com/technicalservice)

#### Service contact

[service-heraeus@heraeus.com](mailto:service-heraeus@heraeus.com)

Deutschland

**Heraeus Noblelight GmbH**

Technical Service EMEA

Heraeusstrasse 12-14

63450 Hanau

Phone +49 6181 35 4425

service-hng@heraeus.com

USA

**Heraeus Noblelight**

America LLC

Technical Service AMERICAS

910 Clopper Road

Gaithersburg, MD 20878

Phone +1 301 990 8700

techservice.hna.uvp@heraeus.com

Japan

**Heraeus K.K.**

Noblelight Division

Technical Service Japan

Sumitomo Fudosan Otowa

Bldg. 1F, 2F, 5F

2-9-3 Otsuka, Bunkyo-ku

112-0012, Tokyo

Phone +81 3 6902 6602

hng-ts.hkk@heraeus.com

China

**Heraeus Noblelight (Shenyang) Ltd.**

Shanghai Branch

Technical Service China / Taiwan

2F, 5th Building, No. 406 Guilin

Road,

Xuhui District

Shanghai 200233

Phone +86 400 080 2255

hns.outechnicalservice@heraeus.com

South Korea

**Heraeus Suwon, South Korea**

Heraeus Korea Corp

Technical Service Korea

13F, 156, Gwanggyo-ro

(Eui-dong, Gwanggyo business center)

Yeongtong-gu, Suwon-shi, Gyeonggi-

do, 16506

Phone +82 31 270 9449

service-hk@heraeus.com