

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:

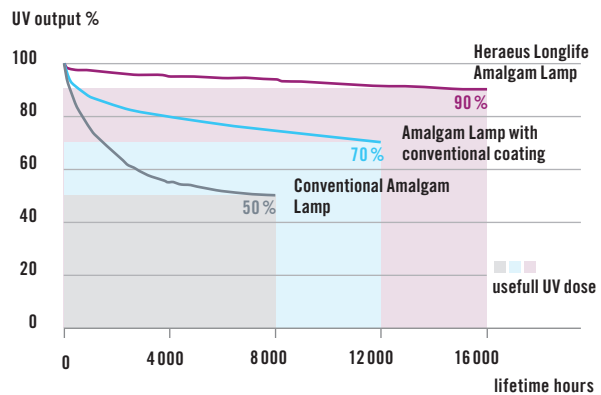
- On-site lamp inspection using Heraeus' MUI system to compare against an available reference lamp
- If no reference lamp is available, we can measure to determine your UV lamp type in our measuring laboratory at our Hanau factory
- Lamp replacement with same type currently in use, if available
- Alternatively,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



Typical service life curve

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.



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