



UVC-Low Pressure

UVC-Low Pressure

UV-Technik is your partner for UV components of all kinds. We support you from the first discussions to the implementation of your UV system and are always available to advise you at any time.



The pillars of our success

- Groundbreaking approaches to clean air and water
- Manufacturing of durable and reliable components
- Co-operation with technical universities and laboratories
- Long-standing and qualified employees
- Environmentally oriented company organization in all divisions

Professional project support

From the first conversation we work together with you on the optimal UV solution. You are involved in product development in close collaboration to get the best results for your application.

It does not matter if it's the UV lamps themselves or system controllers, ballasts, sensors or immersion tube systems, our years of experience enable us to assist you in all these areas.

Best quality - for almost 30 years

Development, production and sales are located in Ilmenau, Germany. Individual solutions in small or large volume production are our specialty.

Thanks to the continuous quality assurance of each individual process step and a final outgoing goods inspection, UV-Technik only supplies flawless products. When using UV Technik parts, field service is extremely rare.



Sustainable manufacturing technologies

We use state-of-the-art manufacturing equipment to produce our UV components. Regular inspection and continuous improvement measures enable energy-optimized plant operation.

Optimal treatment of liquids & gases

Both in the field of water and air treatment as well as in photo-oxidative processes, our special light sources make a decisive contribution to environmental protection.

With our UV components, for example, the amount of chlorine used can be reduced in swimming pools, bacteria and viruses in water can be inactivated or harmful substances in water destroyed.



The environmentally friendly treatment of liquids and gases is used in numerous applications.

- Treatment of drinking water, which can be partly or completely substituted for chlorine

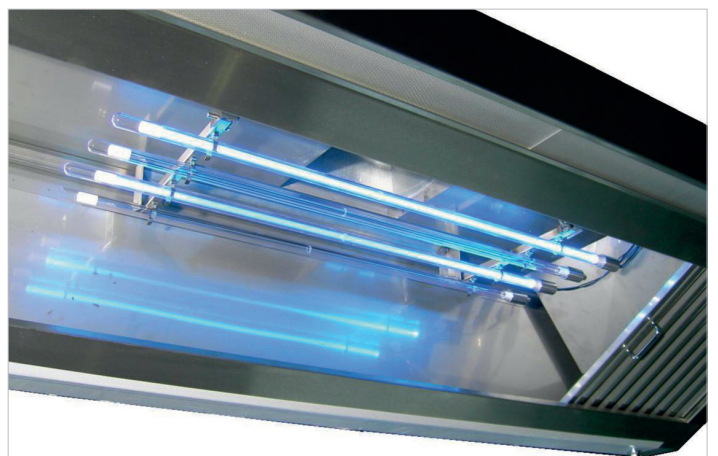


Source: PWT

- Water treatment of municipal waste water to reduce chemicals



- Water treatment of ballast water on ships to prevent the settlement of non-native bacteria
- Reduction of fats and thus the risk of fire in exhaust air systems, for example in canteen kitchens or fast food restaurants



Source: Henatherm

- Sterilization of indoor air in public buildings or waiting rooms



Source: G.L.A.

- TOC analysis systems to check air or water quality



Source: Thermo Scientific

- Manufacture of synthetic vitamin D for medical applications

Maximum disinfection of surfaces

The germicidal effect of UV radiation can also be used for surface treatments. In a matter of seconds, a virtually complete sterilization of medical products or packaging materials is achieved.



In the food and beverage industry, fruit and vegetables are treated with our UV emitters to make them more durable.



Source: CleanLight

More compact, faster, more efficient

For the reliable operation of our UV lamps we only use electronic power supplies. Together they form the heart of every UV system. That's why we develop them by ourselves!



Due to the high efficiency of the ballasts, our UV lamps can be operated with less power. This saves energy costs and also reduces the space requirement in the control cabinet. Wherever the smallest size and highest efficiency are required, these devices are used.

Almost all of our ballasts have a digital interface or make it easy to retrofit such. The precise adaptation to the respective UV emitter is carried out by software or rotary coding switch.

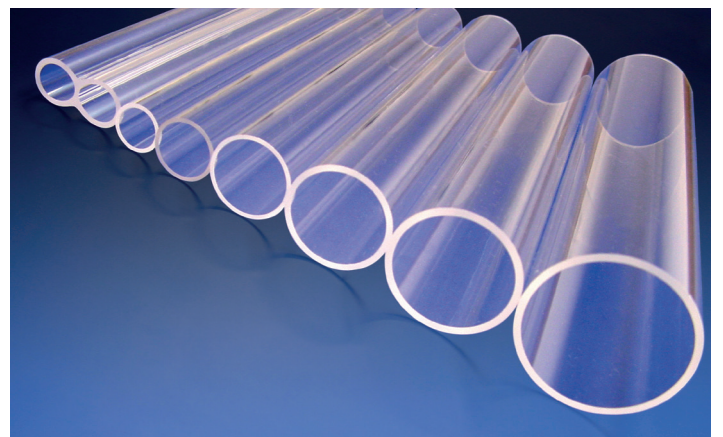


Unique in the world is our MLC series. Specially developed for large systems, it controls up to 64 UVC lamps. This Plug & Play solution reduces the installation effort to a minimum.

Quartz glass products at its best

High-quality UV lamps are made of high-quality components. When manufacturing our UV lamps and immersion tube systems, we rely on maximum purity and precision.

Thanks to the controlled selection of primary materials, we produce UV lamps and protective tubes whose high transmission gives you a real competitive advantage.



Depending on the application, we use different types of quartz glass in order to prevent ozone development or to intentionally induce it.

In addition to UVC lamps, immersion and submersion tube systems or glass reactors are also produced on this basis - with watertight flanges, standard ground joints or inlet and outlet connections upon request.



Measure, check, monitor

- these three factors are essential for you as a plant manufacturer or plant operator.

Whether you are looking for system sensors for precise in-line monitoring of your UV system, UV reference measuring instruments or handy UV spectrometers: we offer the right measuring instruments for every application.

For our sensors, we rely on robust and durable products. All our sensors can be repaired and recalibrated for a lifetime. A permanent spare parts supply is guaranteed.



The accuracy of these probes and their stability is unique in the world and make us the world leader in this field.



System controllers

Every UV system is only as smart as its system controller. Our SmartTouch panel solutions with individual software combine all UV components into one unit.

All system parameters and status messages are displayed clearly. You have all operating conditions in view at all times.



In combination with our UVC lamps, the digital sensors and ballasts, the system controller reacts independently to changing environmental conditions and regulates your UV system perfectly. Changes in water transmission or the loss of UV power are detected early, so that the ballast always works energy-optimal.

Thus, your UV system provides only as much UV radiation as it actually needs for the sterilization.

The key to success is constant development

As part of our development, each newly developed lamp undergoes extensive testing. Crucial for us are also intensive material tests and radiation-physical investigations, which we also understand as basic research.

This allows us to always offer our customers the best possible products.

For exact determination of the lamp power, a radiation flux measurement is carried out in our dark laboratory.



In order to ensure the latest standards at all times in the future, we have a fully equipped water laboratory and an air laboratory at our disposal.



Here, our customers also have the opportunity to carry out realistic functional tests on their own systems.

UV-Technik - your worldwide partner for UVC solutions

UV-Technik is represented at nine locations worldwide. The company is located in Germany. Development and production are also located here.



We have a dense network of distribution partners to provide you with the best possible support. In all those countries that hold a key position in operations, we work closely with our representations and trading partners.

