

UV Water Disinfection

UV-C Technology is a proven method of disinfecting water. This includes anything from domestic water to water used in industrial manufacturing. The uv-technik international range of disinfection products covers this entire spectrum of possibilities. UV eliminates 99.99% of bacteria and viruses, including those that are resistant to chlorine, without changing the taste or smell of the water. Furthermore, there is currently no known micro-organism that are resistant to UV.

UV Water Applications

Water treatment using UV technologies is one of the largest growth markets in the world. It's proven effectiveness and efficiency makes it a desirable solution for a large range of applications. See below just some of the examples of how UV is being used in water treatment applications:

- **Drinking Water** - Across Europe UV is used by municipal water companies to treat the water we drink everyday. 99.99% of harmful microorganisms are inactivated and prevented from spreading.
- **Ballast Water** - The IMO (International Maritime Organization) ratification places the highest demands on ballast water management systems. Worldwide these systems are compulsory for both existing and any newly built ships. Medium and low pressure UV lamps are used to disinfect the ballast water.
- **Waste Water** - Environmental protection is currently one of the worlds most pressing topics. The maintenance of high quality groundwater and treatment of water within sewage or industrial plants is essential. UV open channel systems are an established component of this process.
- **Ultra-Pure Water** - Building and industrial technologies have a requirement for ultra-pure water of the highest quality. Water treatment plans equip with UV systems ensure the removal of any undesired water constituents.
- **Aquaculture** - The challenge of ensuring high quality water for fish farming systems is met by UV treatment. Germ loads are reduced to minimal levels whilst ecosystems are protected.
- **Swimming Pools** - Nobody likes a swimming pool of chlorine right? Increasingly public and private swimming pools are introducing UV systems to limit chlorine content and the subsequent odour.

Please note that we also manufacture lamps, ballasts and sensors used by OEM producers of water disinfection systems. If you are looking for an established, experienced and reliable European producer of UV components we would be happy to assist and work with you to fulfil your UV requirements.

