

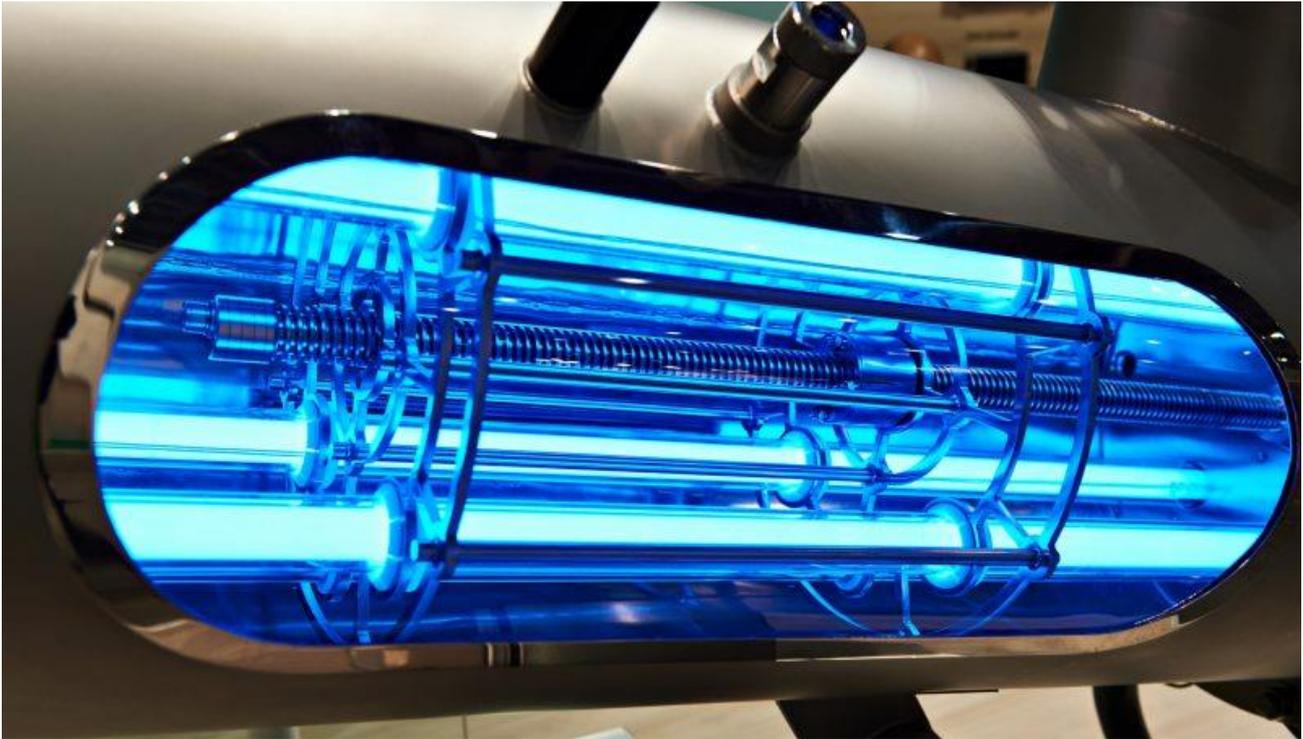


ALMAWATECH

INNOVATIVE SOLUTIONS FOR WATER

ALMA OXI UV

Oxidation process with UV



The ALMA OXI UV combination process combines wet-chemical oxidation with UV treatment. The synergistic effect of UV radiation on the oxidizing agent, usually hydrogen peroxide, ozone or chlorine, leads to the formation of highly reactive radicals. These radicals effectively eliminate even substances that are difficult to break down. This technology has proven particularly effective in the pharmaceutical industry, chemical industry, hospitals, textile industry and other areas with persistent substances.

Applications

- Pharmaceutical industry
- Hospitals
- Paints and coatings industry
- Chemical industry
- Poorly degradable / persistent substances
- Trace substances

Specifications

- Hydraulic capacity of 1-200 m³/h
- Elimination performance of >90% measured on the basis of selected trace substances
- Reactors made of stainless steel or PE
- Easy maintenance and servicing
- Integrated control via touch panel

Advantages

- Low energy requirement
- Batch or continuous operation possible
- Effective removal of PFAs and PAHs, organic complexing agents
- Preliminary examinations in the technical center possible
- Customer-specific UV radiation source



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INNOVATIVE SOLUTIONS FOR WATER

ALMAWATECH GmbH - Your plant manufacturer and service provider in industrial water and wastewater technology offers everything from a single source

**Analysis &
Optimization**

**Planning &
Consulting**

**Water
chemicals**

**Operations
Management**



Plant engineering

Wastewater and process water

-  Treatment for direct and indirect dischargers
-  Pre- and post-treatment of wastewater
-  Process water Recycling
-  Ultrapure water production
-  Individual system solutions for all branches of industry

Procedure

-  Biological (aerobic/ anaerobic/ anoxic)
-  Precipitation, flocculation and neutralization
-  Filtration & reverse osmosis
-  Oxidation & hygienization
-  Modular systems

Specialized water chemicals from ALMAWATECH for wastewater applications, cooling water circuits, membrane systems and boiler plants.