

VISADES UV drinking water disinfection systems are examined by ÖVGW (Austrian Association for Gas and Water) according to Austrian Standards Institute M5873-1, Method B (ÖVGW compliant operation without additional transmission measurement) on disinfection performance. Austrian Food Standards Chapter B1 Drinking Water, CE-conformity.

ÖVGW-Certificate, SVGW-Certificate



Allowable operating range at: +0.1 to 45°C, or +4 to 30°C.
Minimum irradiation dose of 400J/m² (per Austrian food manual, III edition, Chapter B1 Drinking Water) and continuous operation.
Technical data for individual models per current data sheets.



Dimensioning of the Systems

The main criterion for selecting the correct UV disinfection system is the maximum water demand in your distribution network.

The product range extends from small systems, with flow capacities of 1.5 m³/h, up to large municipal or industrial systems, which can provide flow capacities of 3000 m³/h or more. VISADES uses its own emitters for low and medium pressure systems depending on the area of application.

Specifications for the individual models are available in the current product data sheets.

Our consultants will be glad to help you select the appropriate system.

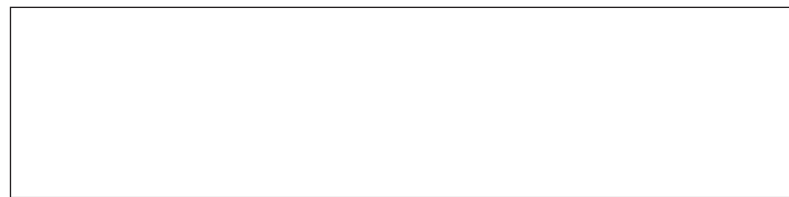
Maintenance & Operational Safety

Regular maintenance is necessary for the systems to function properly. In addition to annual replacement of the emitter, the dip pipe must be cleaned and the UV-Sensor recalibrated at regular intervals.

VISADES provides this service under a maintenance contract, or "Just in Time" if urgently needed. As a customer with a maintenance contract, you will have advantages in price and service.



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**UV - Water Disinfection
With the power of the sun**



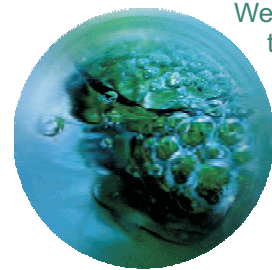
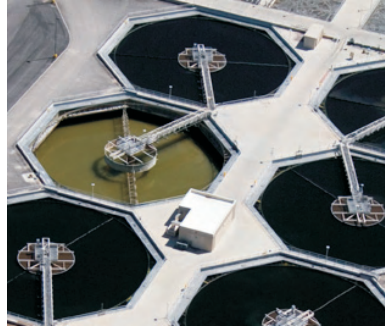


Water is the fundamental element of life and symbolizes purity.

Today more than 2 billion people are forced to drink contaminated water. Natural catastrophes, ground water and rainwater impacts from industry, and regional changes have negative short and long-term effects on water quality. Preventive water disinfection is therefore of increased interest to water supply companies and individual persons.

VISADES systems provide an environmentally friendly way without chemical treatment to protect your water from germs, while maintaining neutral taste and smell.

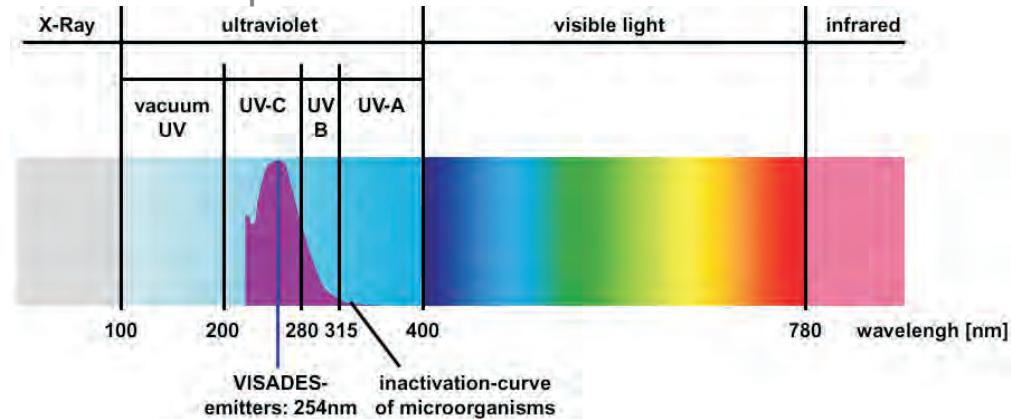
VISADES stands for efficient, cost effective and high quality UV water disinfection



We have already put in the design of our UV disinfection systems the highest priority on energy efficiency. The theme of energy saving stands for VISADES products for our customers in the foreground.

Environmentally conscious water disinfection with VISADES means no chemical treatment of our precious drinking water and thus no formation of polluting by-products.

Chromatic spectrum:



Natural Water Disinfection with the power of the sun

VISADES UV water disinfection systems use UV rays for disinfection. Harmful microorganisms are rendered inactive when the water is exposed to safe UV rays.

This high-energy radiation causes a photochemical reaction in the cells of bacteria, viruses, molds, and other microorganisms, which inhibits vital functions.

UV irradiation, in contrast to chemical treatments, is completely neutral in taste and environmentally friendly. An overdose is impossible, and there are no by-products left in the water.

Disinfection takes place in a continuous flow process; that is, the UV disinfection system is simply integrated at the beginning of the piping network. Criteria for model selection are the flow-rate, UV-transparency and temperature of the water. Disinfection is continually monitored and logged by a sensor.

The systems are built according to the current Austrian and Swiss Standards and are ÖVGW /SVGW certified.

Areas of Application

- ◆ Municipal water distribution
- ◆ Private water sources (wells)
- ◆ Rainwater usage
- ◆ Emergency drinking water
- ◆ Swimming pool supply
- ◆ A/C cooling water treatment
- ◆ Food industries
- ◆ Pharmaceutical industries
- ◆ Process water generation
- ◆ High-purity water generation
- ◆ Wastewater disinfection
- ◆ Snowmaking equipment

Advantages of UV Technology

- ◆ No chemical treatment
- ◆ Low operating costs
- ◆ No environmental damage
- ◆ High level of operating safety
- ◆ Quick and uncomplicated installation
- ◆ No problems with corrosion
- ◆ No buildup of environmentally damaging or hazardous by-products
- ◆ Neutral in taste and smell
- ◆ Rapid disinfection, without reaction vessels or circulation pumps
- ◆ Overdosing is impossible

A lab test is generally performed to determine whether water has microbiological loads (bacteria, viruses, yeasts, ...). If you are not sure whether your water meets the necessary standards for your application, we would be happy to help you with the appropriate analysis.



About VISADES

The VISADES Technology & Development Company Ltd. is a subsidiary of Ing. Viktor Sachs Engineering Company. This has more than 20 years experience in the field of drinking water.

This experience combined with innovative technology and continuous development allow VISADES, UV systems offer at a qualitatively high level of competence and specific requirement for the benefit of customers.

VISADES stands for the production, international sales, and service from one source and can therefore meet customer requirements quickly and flexibly.

VISADES UV disinfection systems are purely Austrian quality products.



VISADES
UV-TECHNOLOGY