

UV-C NANOTECH SERIES TECHNICAL SHEET

WATER TREATMENT

As for its main feature, we can mention that UV-C NANOTECH works directly with two wavelengths:

185-nanometer- Wavelength, able to destroy organic substances and complex halogens which are dangerous for health, such as chloramines and THM (trihalomethanes) and other potentially toxic derivatives.

253.7-nanometer- Wavelength able to kill bacteria and viruses thus disinfecting water.

The UV-C NANOTECH OZONE version combines these features with the simultaneous production of Ozone.

The Titanium nanotechnology applied inside the tube amplifies the effect of the ultraviolet light, increasing the effectiveness by more than 80%.

The line of UV-C NANOTECH systems comes with a patented system for the continuous chemical cleaning of the quartz tubes, thereby always ensuring the best efficiency of the system.

The use of UV lamps at low pressure and amalgam lamps guarantees more than 16,000 working hours of life time and efficiency.

The body of the high density polyethylene tube and the passivated aluminum headboard guarantee maximum durability against any type of corrosion and pressure tightness up to 10 atmospheres.

The body of the high density polyethylene tube and the passivated aluminum headboard guarantee maximum durability against any type of corrosion and pressure watertight seal up to 10 atmospheres.

The electronic management system allows the lamp to get the maximum performance and minimal energy consumption at the same installed power.

The continuous monitoring of the efficiency of lamps alerts us when the system presents decreased performance.

The use of flow control avoids unnecessary overheating.

The combination of the UV-C NANOTECH system and the TELEPOOL SAVE ENERGY system for the monitoring and remote control of the main parameters of treated water, makes it possible to coordinate and maximize results when the water treatment involves the simultaneous use of UV radiation and other chemical treatments. It optimizes consumption, increases the effectiveness of the system by keeping it under continuous monitoring (with multiparameter recording), with remote control and real-time alerts (SMS or WEBSERVER).



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FIELDS OF USE OF THE UV-C NANOTECH LAMPS

UV-C rays are used in many fields of application:

Drinkable water treatment: disinfection and elimination of complex molecules

Sanitary water treatment: disinfection and elimination of Legionella

Swimming pool water treatment: disinfection and elimination of Combined Chlorine and THM

Process water treatment: disinfection and elimination of complex molecules

Thermal water treatment: disinfection and elimination of complex molecules

Sea water treatment: disinfection and elimination of complex molecules

Waste water treatment: disinfection and elimination of odors

Air treatment: disinfection and elimination of complex molecules and odors

The use of UV-C radiation for water and air treatment is suitable for combined systems where the synergistic action of UV-C radiation and other disinfectants allows to obtain exceptional and environmentally friendly results, for example:

The water treated with UV-C rays and disinfection with the daily addition of small quantities of products which prolong the effect of UV rays (UV + OXYGEN) ensures healthy, crystal and clear water, without irritating skin, hairs, mucous membranes and eyes

This combined action makes bathing extremely pleasant.

The advantages using UV-C rays can be summarized in the following points:

- Environmental safeguard by using ultraviolet rays type C, with physical and persistent action, no toxic residue for the environment and nor for people
- No allergy risk.
- No corrosion, no smells
- Compatible with most coatings and materials
- Quick and easy installation.
- Reliability.
- Affordable treatments.

COMPLETE GAMMA OF UV-C NANOTECH LAMPS

SERIES SEA WATER OZONE

CODE	DESCRIPTION
0123068044	TUBO UV-C 2- 80 W- SEA WATER OZONE
0123068046	TUBO UV-C 3- 360 W- SEA WATER OZONE
0123068048	TUBO UV-C 4- 480 W- SEA WATER OZONE
0123068050	TUBO UV-C 5- 600 W- SEA WATER OZONE

SERIES SEA WATER OZONE PLUS

CODE	DESCRIPTION
0123068036	TUBO UV-C 3-360W-SEA WATER OZONE PLUS
0123068038	TUBO UV-C 4-480W-SEA WATER OZONE PLUS
0123068040	TUBO UV-C 5-600W-SEA WATER OZONE PLUS