



'Wellness' pure

UVOX

A swimming pool without the negative side-effects of chlorine

Through the chemical reaction of chlorine with organic material, such as urine, skin-particles, human fragrances and sunblockers, chloramine will occur. Chloramine cause reddened eyes, skin-irritations, allergies and an unpleasant chlorine smell. The concentration of combined chlorine (such as chloramine) is not allowed to be higher than 0,2 – 0,6 mgs per litre.

Up to now, the content of chloramine can only be reduced by adding fresh water into the pool. This calls on time, is expensive, and is therefore no ideal solution.

Wapure International has developed a new, automatically working UV-Oxidation system (UVOX-250), which combines the oxidising effect of OH-radicals on combined chlorine and other organic substances with the disinfecting effect of UV-Light. The UVOX-250 system breaks down these chloramine and hereby minimises all negative side-effects of chlorine.

The UVOX-250 offers you the true wellness experience through ecological treatment of the pool water. It guarantees natural, crystal clear pool water without the negative side-effects of chlorine. The concentration of combined chlorine is reduced considerably, which leads to water-, energy- and chemical saving. The UVOX-250 system will therefore be amortised within approximately 2 years. Simultaneously, the environment is incriminated less.



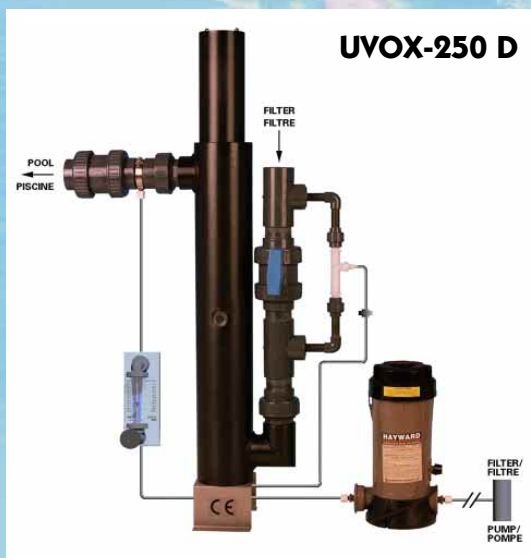
Benefits of the UVOX-250 system

- Crystal-clear and natural pool water.
- Minimum irritation due to elimination of the negative side-effects of chlorine.
- Non-polluting solution.
- Cost saving through minimal consumption of chemicals, water and energy.
- Minimum maintenance without endangering the water quality.
- Amortisation of the system within approximately two years.

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Installation:

Reduction of combined chlorine (Chloramine) through OH-radicals

Ozone is a perfect natural disinfecting- and oxidising agent and has been used to purify drinking water for more than 100 years. By means of an especially for WAPURE International manufactured UV-lamp, the oxygen in the air is transferred into OH-radicals and ozone. With a ventury injecting system, the ozonated air is fused into the pool water and again radiated by UV-light. In this way the maximum amount of OH-radicals will be formed, which will oxidise the combined chlorine (chloramine) on a spectacular way by neither changing the pH-value of the water nor forming any unwanted by-products. The Wapure 250 guarantees a certain minimal UV-dosage, with which the ozone will be completely transferred into OH-radicals. There will be no ozone in the pool water. An activated carbon filter for ozone removal in swimming pools is therefore not required.

Disinfection by means of the UVOX-250 D System

At a certain minimum UV-dosage, the DNA of the micro-organisms will be damaged and the disinfecting effect of the water is realised. However the UV treatment will not aware residual disinfection in the pool itself. In order to maintain the residual disinfection in private pools, WAPURE advises to dose a very small quantity of chlorine (0,1 to 0,3 mg per litre) into the pool water after the water is disinfected by the UVOX-250. The UVOX-250 D is therefore equipped with an automatically working chlorine dosage system. The UVOX-250 D system guarantees save and crystal clear pool water with a minimum amount of maintenance. Pool owners can leave their swimming pools unattended for 4 -6 weeks without endangering the water quality.

For public swimming pools a minimum chlorine dosage of 0,5 free chlorine per litre is required. At the other hand a concentration of more than 0,6 mg per litre of combined chlorine is not allowed. WAPURE recommends therefore to switch some UVOX-250 systems parallel to the conventional chlorination system. Due to the UVOX-250 the consumption of water, energy and chemicals is reduced considerably. The water quality will improve as result of very low concentration of combined chlorine per litre, which will lead to a true wellness experience of the pool guests.

Quality Control by WAPURE International

WAPURE International attaches particular value to the quality control of their performances. All systems are produced according to the DIN and ISO 9001 norms and are made in Germany. The UVOX-Systems were tested from an internationally leading and independent test-institute for water purification (KIWA in the Netherlands).

Did we arouse your interest? Please, feel free to visit to our web site www.UVOX.com or contact us to ask for additional information.