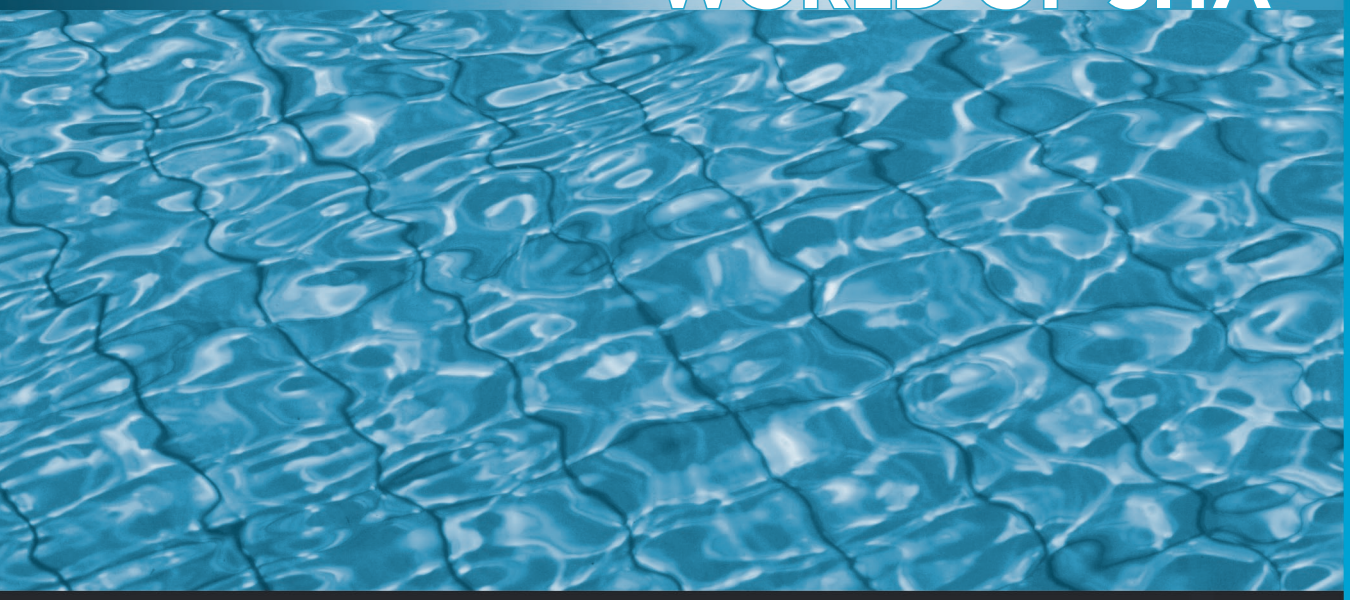
Società Italiana Trattamento Acque

WORLD OF SITA



UV technology in swimming pool applications

WATER TREATMENT

Effects of UV light on swimming pool water:

GERMICIDE EFFECT >> Zeroing of microbe content • PHOTOCHEMICAL EFFECT >> Reduction of combined chlorine

Medium-pressure UV system – SMP:

Emission of multi-frequency radiation that is particularly effective in reducing combined chlorine.

Low-pressure UV system – VH:

Emission of radiation with a high microbicidal power, capable of setting off photo-oxidation phenomena.

Concentration of Combined Chlorine with and without an S.I.T.A. UV system

Monitoring carried out over a period of 4 months at daily intervals, in a 600 m³ covered pool, with a large number of swimmers.
This result has been confirmed at numerous S.I.T.A. installations both in Italy and abroad.

JUST SOME OF OUR RESULTS:

Adding a UV reactor to a classical water treatment plant makes it easier to comply with current legal requirements (State - Region Conference - Agreement 16th January 2003 – Official gazette N° 51 of 3rd March 2004), due to:

- Zeroing of all species of microbes in the water each time it is circulated.
- Reduction in the concentration of chloramines (> 65%), including trichloramine.
- Reduction of hyper chlorination (resulting in a saving in chemical products and time).
- Reduction in the frequency of water changes to the minimum permitted in terms of Italian law.
- Possibility of making well water suitable in terms of its microbiological properties.

Dealer's Stamp

sita
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INTERNATIONAL IUVA ULTRAVIOLET ASSOCIATION

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV =ISO 9001/2000=

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