



Engineering for
Health & Hygiene™

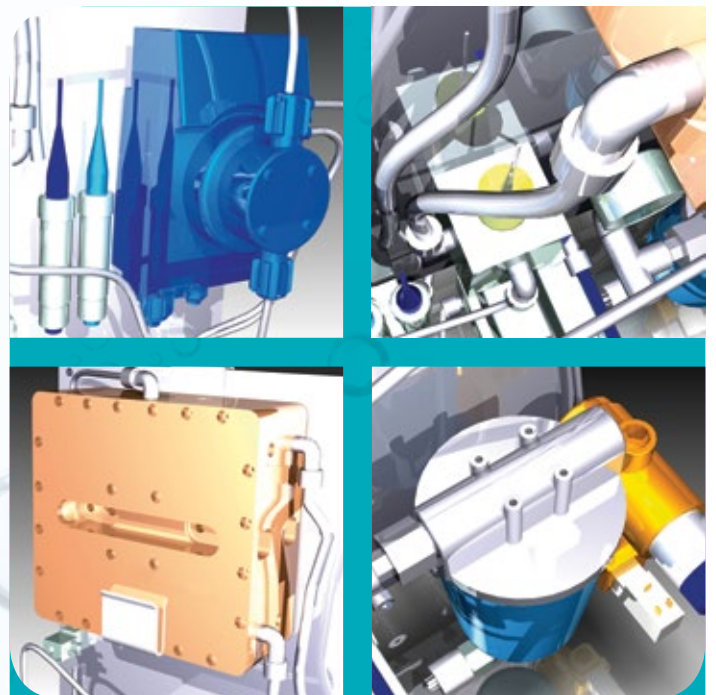
Non-toxic water disinfection system. Safe, effective elimination of pathogens and biofilm.

The Ecas4 system produces a highly effective, genuinely pH neutral, electro-chemically active, metastable disinfectant without the use of toxic chemicals and is 100% biodegradable.

The Ecas4 system eliminates pathogens such as bacteria, viruses, fungi and mono-cell algae, from mains and drinking water and, crucially, also eradicates the biofilm that is commonly found in piping of any material.

A minimal dose of the disinfectant agent Ecas4-Anolyte is injected into water pipelines to provide non-toxic disinfection without altering the potability of the water.

The two international patents (PCT/IT 2006 000 829 and PCT/EP 2009 065 077) on this technology are a collaboration of leading European university research institutes.



Ecas4 systems ensure constant efficacy, quality and safety of water treatment.

Ecas4 is the sole holder of two international patents on the unique design of its electrolytic process.

Therefore the only way to guarantee the results made possible by this world-first patented design is to use the Ecas4 system.

System specifications

Non-toxic

- + The automatic production of the disinfectant agent 'Ecas4-Anolyte' occurs in situ by means of a patented electrolytic process that does not require the use of toxic, harmful or dangerous substances.

Non-corrosive

- + The constant neutral pH of the product delivered into the water mains at controlled values, prevents the activation of corrosive processes.

Does not alter the potable conditions

- + The disinfectant 'Ecas4-Anolyte', which is 100% biodegradable, does not modify the potable condition of the water treated.

Eliminates Legionella

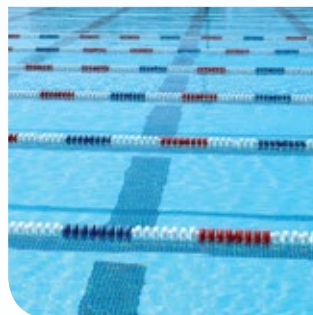
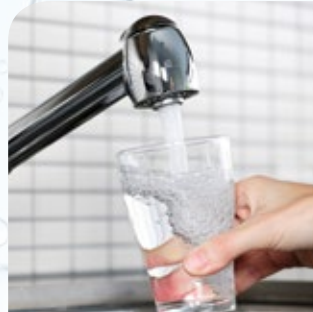
- + The removal of biofilm, which is a viscous structure of organic nature capable of protecting micro-organisms, makes our technology especially suitable for permanently eliminating Legionella.

Cost Saving

- + Ecas4 replaces the heat treatment method of reducing Legionella in hot water systems, therefore significantly reducing energy costs.

Customised

- + Ecas4 water treatment systems can be individually designed according to client requirements.



Remote Control Capability

- + Once installed within new or existing water systems, the Ecas4 water treatment system can be remotely controlled.

Models:

ECAS WDS 40

40 L/hr of Ecas4-Anolyte

ECAS WDS 80

80 L/hr of Ecas4-Anolyte

ecas



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