



KINETIC[®]
REACTOR • PRO

**SOLUTIONS FOR HEALTHCARE
AND HEALTH WUNERABLE**

Inn⁺e

Reality of Buildings

Buildings are areas of Legionella and other microorganisms (for example Pseudomonas), scaling and overall low quality of drinking water with all the problems that water as a medium brings with it and are most clearly shown as corrosiveness, calcite excretion, microbiological contamination...

In addition to the low quality standard of water use, the consequences are economic and environmental. The use of chemicals for microbiological disinfection and the prevention of the formation of calcite coatings, clogged and corroded pipelines, non-flowing heat exchangers, deterioration of the thermal efficiency of devices and, as a result, additional burden on the environment and the creation of (dangerous) waste, the implementation of temperature and chlorine shocks.

Kinetic Reactor Technology Comprehensive Approach

Kinetic Reactor is based on science, execution on comprehensive approach.

Kinetic Reactor technology is the only known and practically proven technology that, without the use of additional substances and without the generation of waste, prepares water for distribution in buildings in such a way as to ensure its biostability, prevent the excretion of calcite and corrosion processes and, depending on the needs, reduce the organic and inorganic load of water. Legionella is eliminated without use of chemicals (food chain!), for Pseudomonas our recommendation is Hydrogen hypochlorite as environmental sustainable disinfectant.

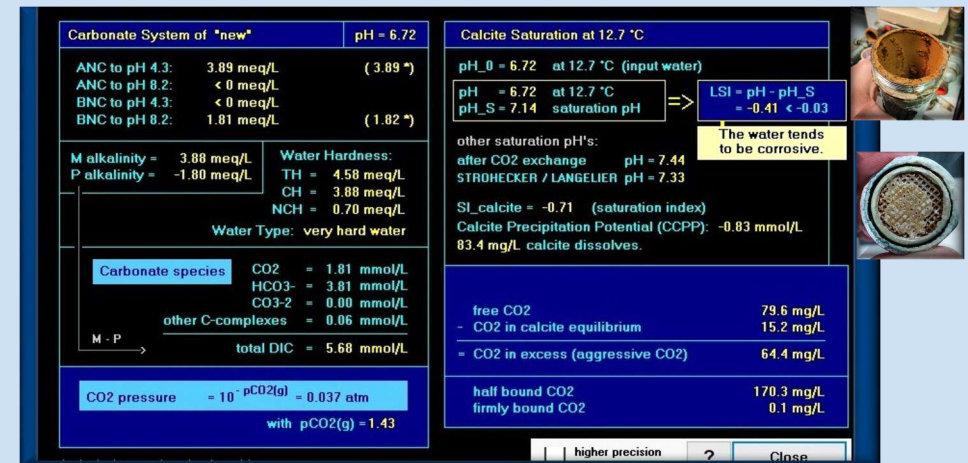
The attention of Kinetic Reactor technology is not only focused on the medium (water), but also on the water' internal network, devices and installations of the building as well as outflow sites and drain.



KR Pro Central Unit

Entrance to the facility with a given chemical and organic structure of water from the public distribution network. The water is compliant for use as drinking water, but it can be extremely corrosive, in cases of temperature and pressure changes it secretes calcite, forms a biofilm that hides between the inner circumference of the pipe and the layer of solid deposit, Legionella bursts, presence of Pseudomonas ...

Based on the calculation of the chemical footprint of the input water, we prepare the operating algorithms of the Kinetic reactors. In the first phase, to clean the network to dissolve coatings, and in the following phase, to prevent the occurrence of unwanted effects of water distribution. The whole area of healthcare or residential facility is protected this way.





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60.24.004

InnTe d.o.o.

Cesta na postajo 74

SI-1351 Brezovica pri Ljubljani

Slovenia

Phone: +386 41 712 190

Mail: info@inn-te-kinetic.com

www: inn-te-kinetic.com



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