



Application: Disinfection of cold and hot water of water supply system in order to prevent Legionella contamination.

Client: Elderly house **De Anloop**



De Anloop

Location of the installation: De Pallert 1, 7761 BV Schoonebeek,
The Netherlands

Water consumption: 12 m³/day of cold and hot water.

Problem they wanted to solve: Legionella contamination.

The reasons for choosing Enviolyte technology: efficient solution to Legionella problem while other methods have failed.

Type of the Enviolyte equipment: EL - 400.

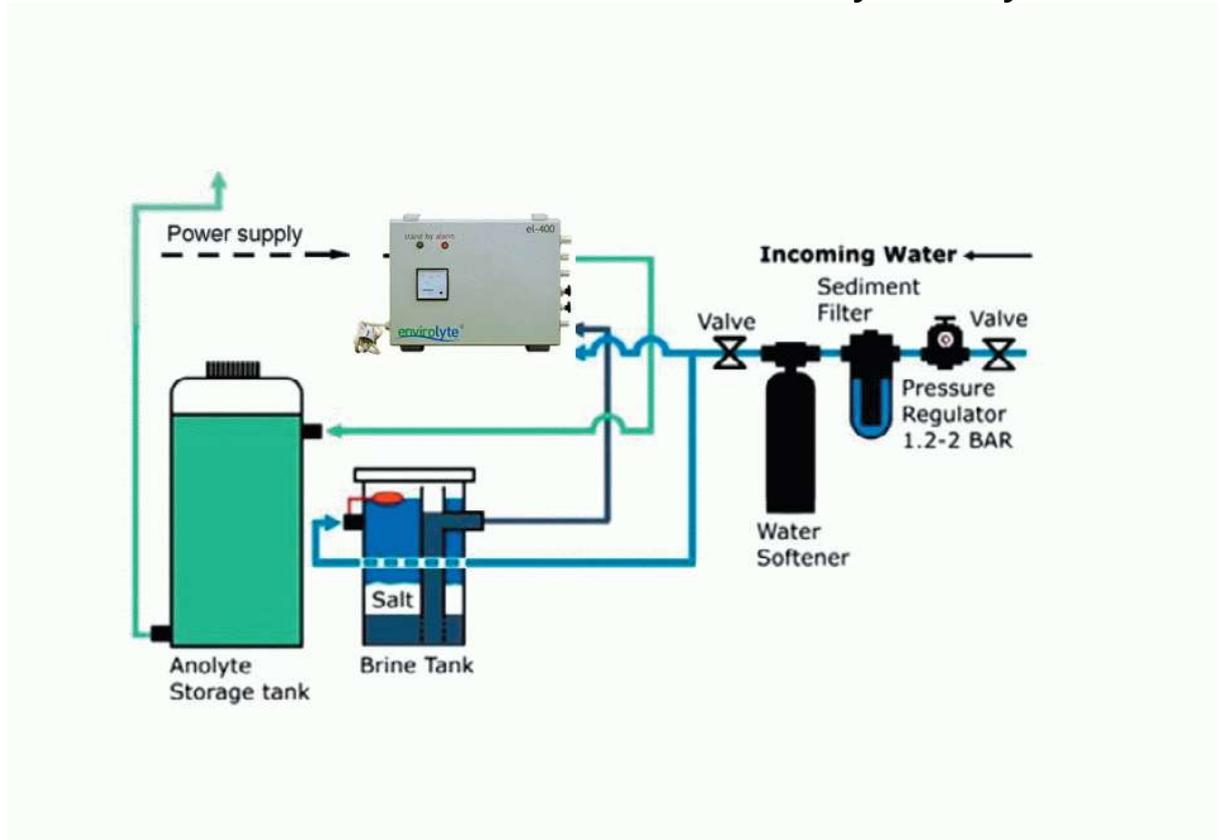


EL 400 with water softener and FAC dosing control

Installation: Cold and hot water is treated 24/7. Water softener is installed prior to EL-400. 40 LPH pump is used for injecting anolyte. Disinfection is controlled via FAC residual which is set for 0,5 ppm.

Results: after installation of EL-400 anolyte generator no Legionella has been detected ever since.

Below can be seen a schematic of the system layout



The reported benefits of using Environment water disinfecting technology :

Safety

- no danger of chlorine gas explosion and hazards associated with transportation of any other chlorine based disinfectant;
- no need to mix or dilute hazardous chemicals;
- environmental friendly solution;

Efficiency

- elimination of biofilms and inactivation of pathogenic microorganisms including Legionella species, and nil bacteria counts;
- creates a longer-lasting residual than traditional chlorination, often at a lower dosage
- right dosage, no more no less – corrosion is reduced;
- significant reduction of Trihalomethane and other DBP;

Cost reducing

- Envirolyte system is fully automatic and only requires a minimal operator attention;
- no need for transport, handling or storage of chlorine gas or hypochlorite;

- on site installation in close proximity of urban population;
- analyte is also used for cleaning/disinfection of surfaces in the elderly house;

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