



**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, Holland

**Water consumption:** 12 m<sup>3</sup>/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.

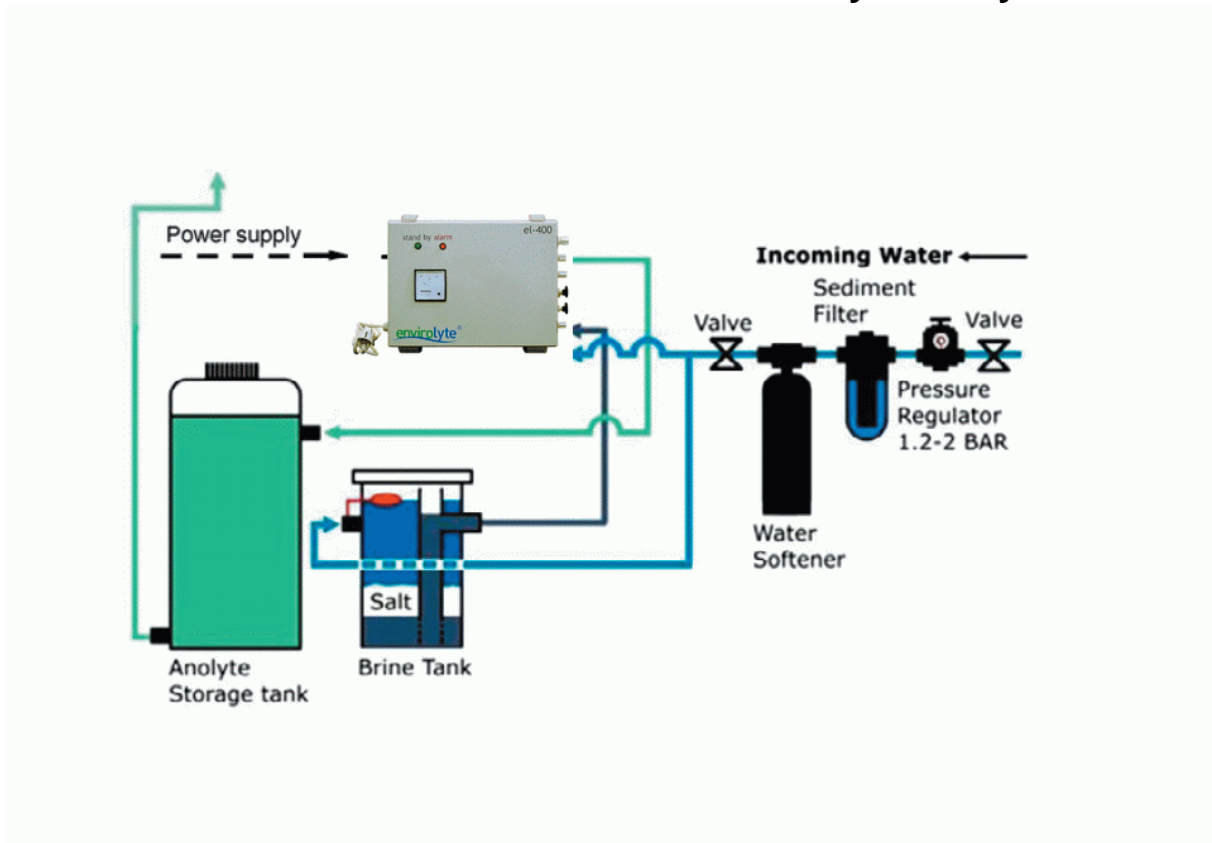


EL 400 with water softener and FAC dosing control

**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;
- anolyte is also used for cleaning/disinfection of surfaces in the elderly house;

© **Copy right Envirolyte Industries International Ltd.**  
**2011**