



Application: Swimming pools water disinfection, indoor fresh water pool.

Location: Kreishallenbad Lauingen- Germany

Swimming pool: 500 m3



Swimming pool area

Anolyte dosing: 1-2 L of 500 ppm anolyte(HCLO) per 1 m³ of the pool water

FAC residual in the pool: 0,3-0,6 ppm

Type of EnvirolYTE equipment: ELA-4000

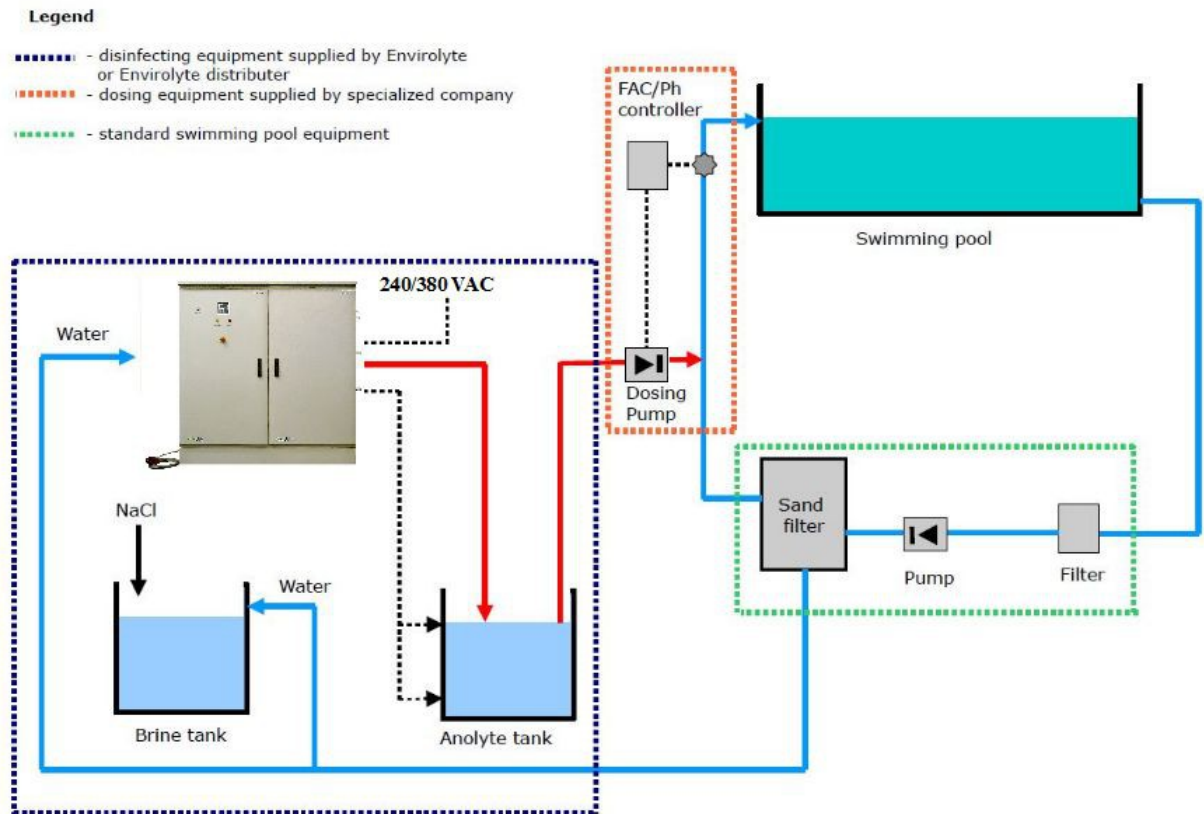


EnvirolYTE ELA-4000 anolyte (HCLO) generator with Ontario Duplex water softener

Previously used technology: chlorine gas

Water circulation the pool : 180m³/h

Swimming pool system with Envirolite equipment



The reported benefits of using Envirolite swimming pools water disinfecting technology:

Safety

- no danger of chlorine gas explosion and hazards associated with transportation of the cylinders;
- no need to mix or dilute hazardous chemicals;
- environmental friendly solution;
- no danger of overdosing;

Efficiency

- no irritation effect;
- no occurrence of chlorine odour in a swimming pool;
- complete destruction of microorganisms at lower dosing;
- 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 reduction

- 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 to swimming pools;
- it is an effective biocide, does not irritate eyes and skin, does not have such sharp chlorine smell as other chemical products, therefore it does not irritate airway, does not cause allergy, it is easy to use and handle because one does not need to order and store it (it is prepared on site and on demand), it is cheap.

**© Copy right Envirolyte Industries International Ltd.
2021**