



**Application:** Disinfection of municipal drinking water.

**Location of the installation:** Breitovo City, Jaroslavlski district, Russia.



Breitovo City

**City population:** 4 000 people.

**Drinking water consumption:** ~ 8 000 m<sup>3</sup>/day.

**Type of the Envirolyte equipment:** 2 x EL - 10 000. One machine – operational and the second - as a redundancy/stand by capacity.



Water softener and brine tanks



Anolyte tank with level switch (on the right)



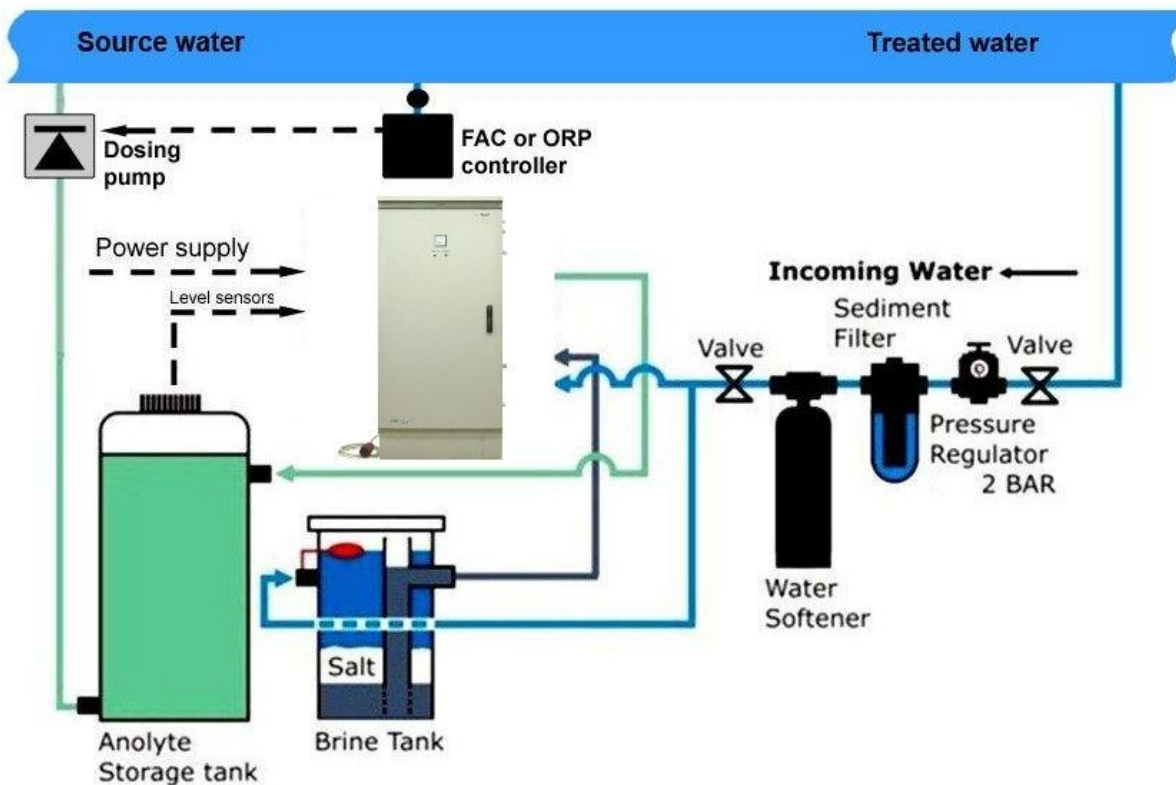
Enviolyte EL-10 000

**Source water:** near by artificial water reservoir

**Previously use technology:** dosing of liquid hypochlorite. Dosing controlled manually.

**The reasons for switching to new technology:** Extremely poor quality of drinking water. Continues public complains about drinking water quality. Deterioration of piping system due to growing biofilms and lime deposits.

Below can be seen a schematic of the systems layout



### The reported benefits of using Enviolyte water disinfecting technology :

#### Safety

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

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#### 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;
  - corrosion is reduced
- significant reduction of Trihalomethane and other DBP

#### Cost reducing

- Enviolyte 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;