



Application: Disinfection of municipal drinking water.

Location of the installation: Ardbil City, Ardbil Province, Iran



City population: ~565 000 people.

Drinking water consumption: ~ 4 320 m³/day.

Type of the Enviolyte equipment: ELA - 3 000ANW.

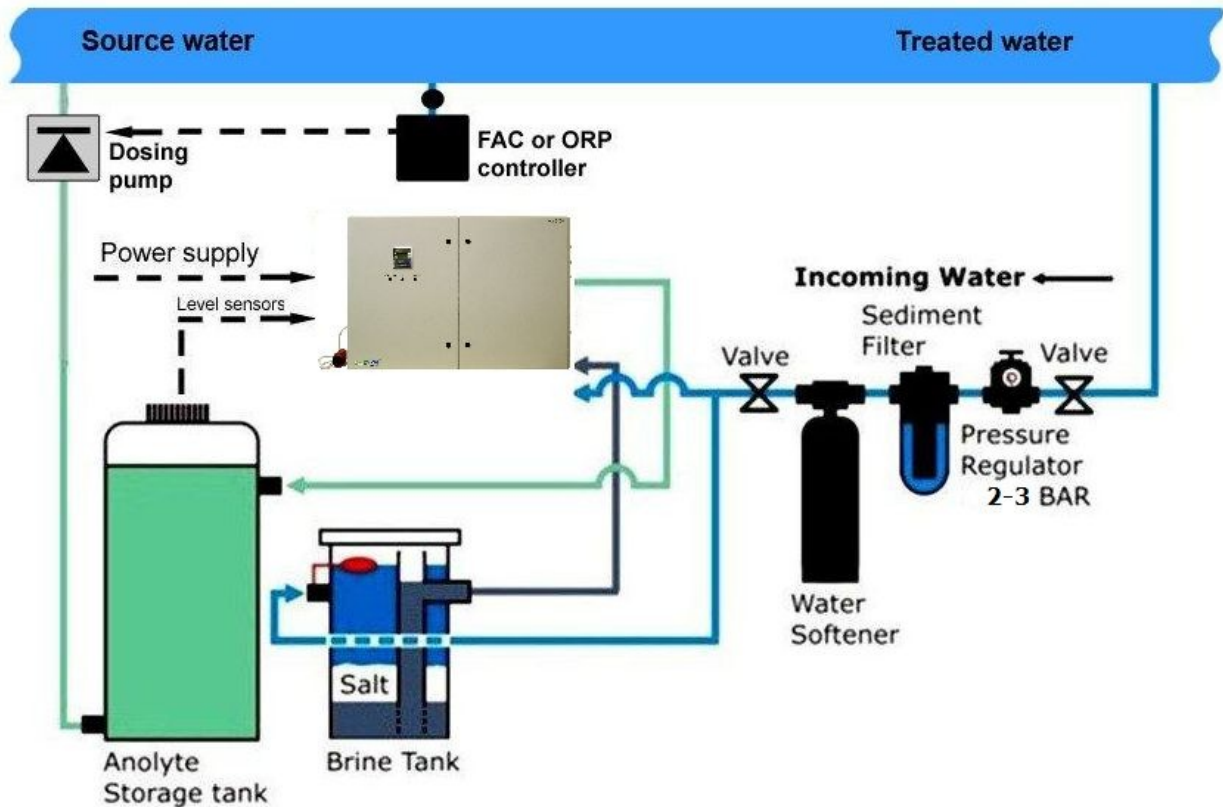


Enviolyte ELA-3000ANW

Previously use technology: Chlorine gas

The reasons for switching to new technology: Dangers associated with the use of chlorine gas what resulted in several explosions and Government polices if favor of cost efficient, ecology friendly and efficient technologies.

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 the cylinders;
- 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;

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