



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

**Location of the installation:** Arsanjan City, Fars Province, Iran



**Arsanjan City**

**City population:** 15 000 people.

**Drinking water consumption:** ~ 4 320 m<sup>3</sup>/day.

**Type of the Envirolyte equipment:** ELA - 3 000ANW.



Envirolyte ELA-3 000ANW



Pumping station

**Previously use technology:** Chlorine gas

**The reasons for switching to new technology:** Hazards of using this method and change of Government policies in favor of cost efficient, ecology friendly and efficient technologies.

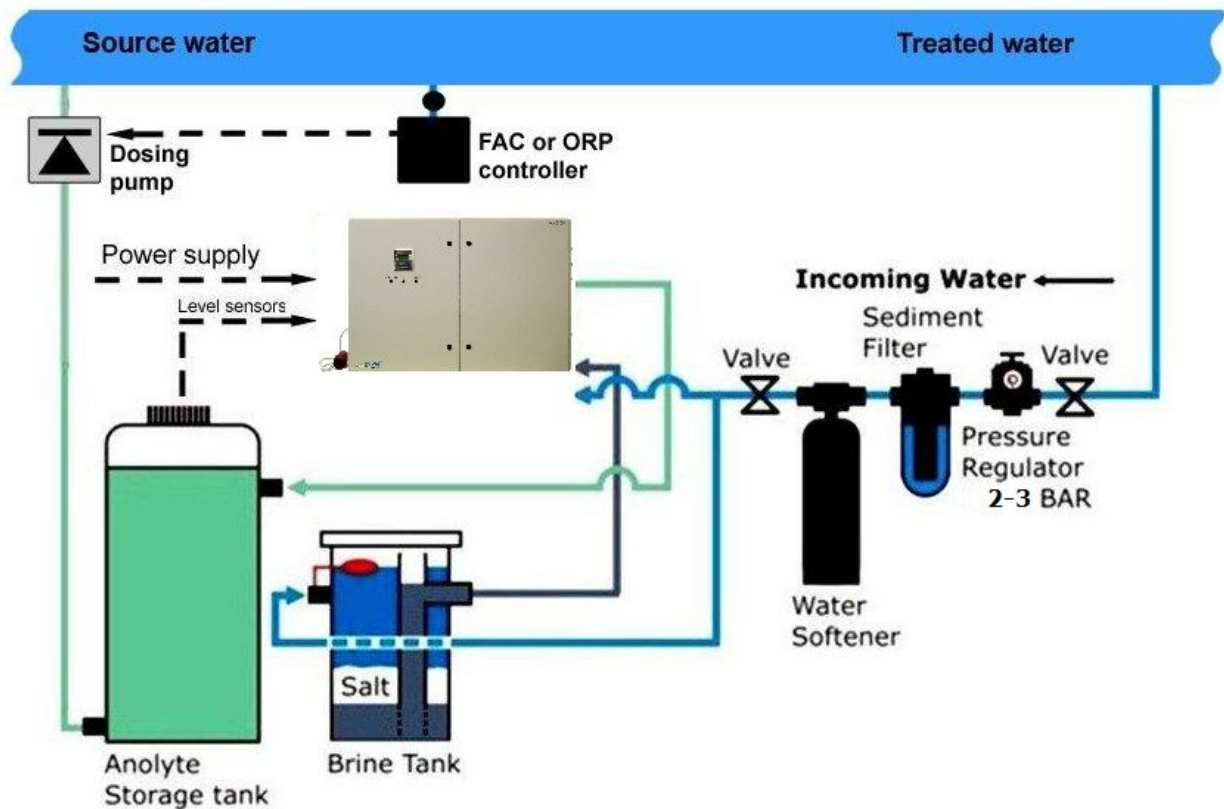


Water softeners



Rust filter prior to ELA-3 000ANW

Below can be seen a schematic of the systems layout



### The reported benefits of using Environment 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

- 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;