



Application: Disinfection of municipal drinking water.

Location of the installation: Iranshahr City (urban area), Sistan & Baluchestan province, Iran.



Iranshahr City

City population: 100 000 people.

Drinking water consumption: ~ 70 000 m³/day.

Type of the Envirolyte equipment: 3 x ELA - 18 000ANW.



Envirolyte ELA-18 000ANW

Previously use technology: Chlorine gas.

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

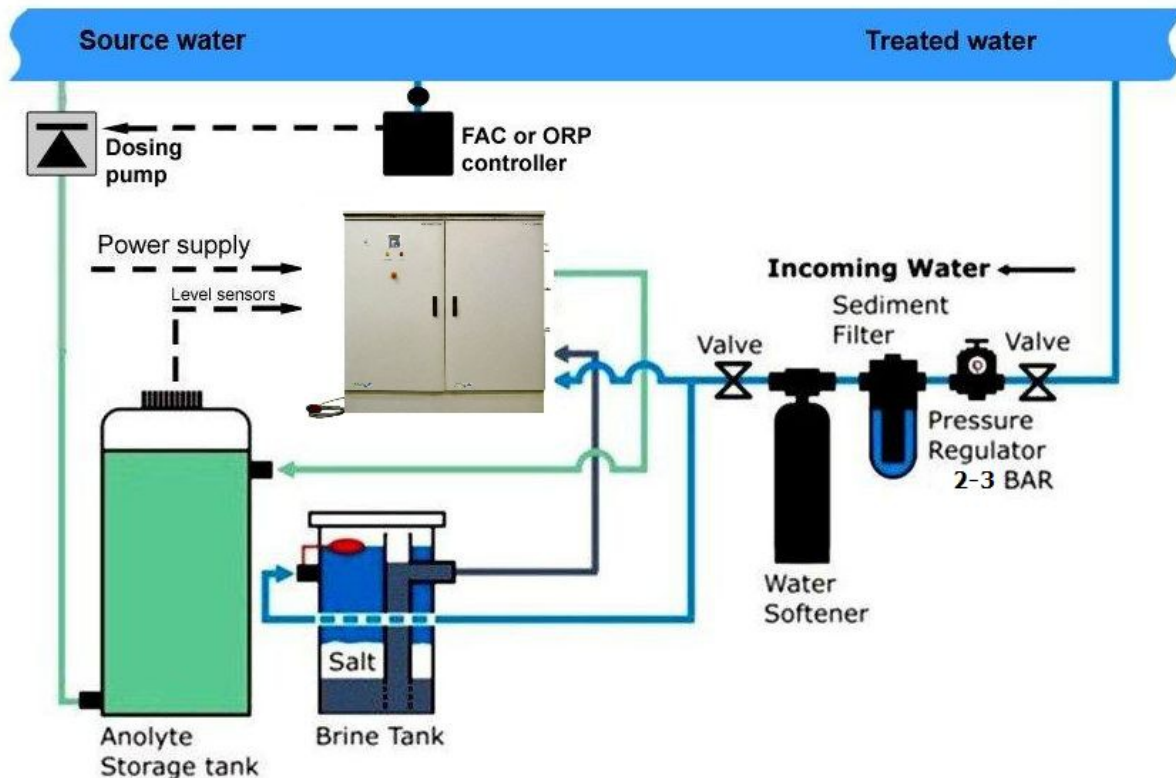


Anolyte injection pumps. Dosing 1ppm at the injection point.



ELA-18 000ANW with brine and anolyte storage tanks

Below can be seen a schematic of the systems layout



The reported benefits of using Envirolyte 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

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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, 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