



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

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



Iranshahr City

**City population:** 100 000 people.

**Drinking water consumption:** ~ 13 000 m<sup>3</sup>/day.

**Type of the Envirolyte equipment:** 2 x ELA - 10 000ANW.



Envirolyte ELA-10 000ANW

**Previously use technology:** Chlorine gas.

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

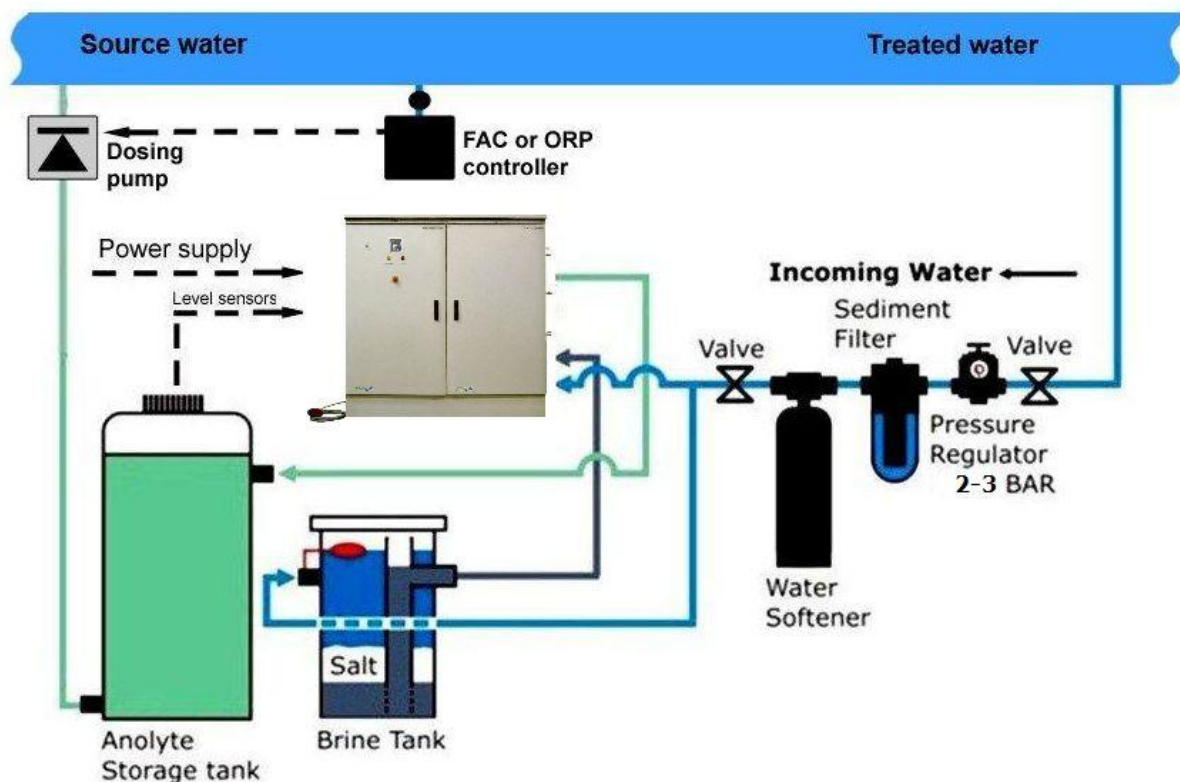


**Envirolyte ELA-10 000ANW**



**ELA-10 000ANW with brine and anolyte storage tanks, water softeners and dosing pump.  
Dosing 2 ppm at the injection point.**

Below can be seen a schematic of the systems layout



**The reported benefits of using Envirolite 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**

- Envirolite 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

© Copy right Envirolite Industries International Ltd.  
2014