



ELGRESSY
ENGINEERING SERVICES LTD.



E.E.O SYSTEM

Efficient and Reliable Removal of
Contaminating Agents from Water

Elgressy Electro Oxidation – EEO

Efficient and Reliable Removal of Contaminating Agents from Water

In any water system, contaminants are a constant problem. Contaminants include bacteria, sludge, pesticides, oil and color.

Treating contaminants usually requires a different method for each contaminating agent. Therefore, prevention and treatment of contaminants increase operational and maintenance costs.

Prevention and correction

Until now, each contaminant in your water system demanded a different treatment module. Elgressy's EEO system supplies a comprehensive treatment regime for a wide range of contaminating agents in one, unique package.

Off the shelf system

The EEO System connects externally to your existing water system and requires no complicated installation procedures or alterations to your existing system. This represents a significant saving in installation and maintenance costs.

EEO – One System with Numerous Benefits

- **Environmentally friendly**

The EEO process is free of harmful chemicals and harmless to the environment and humans.

- **Reduce sludge volume**

The EEO system significantly reduces water system sludge and silt buildup.

- **Process multiple contaminants**

A single EEO system processes a wide range of contaminants, other technologies would have needed a separate system for each contaminant.

- **Automatic and controlled**

The system is fully automatic and provides complete control over water quality.

- **Extended life span**

The EEO System, by removing contaminants and not using chemicals, extends the life span of water systems.

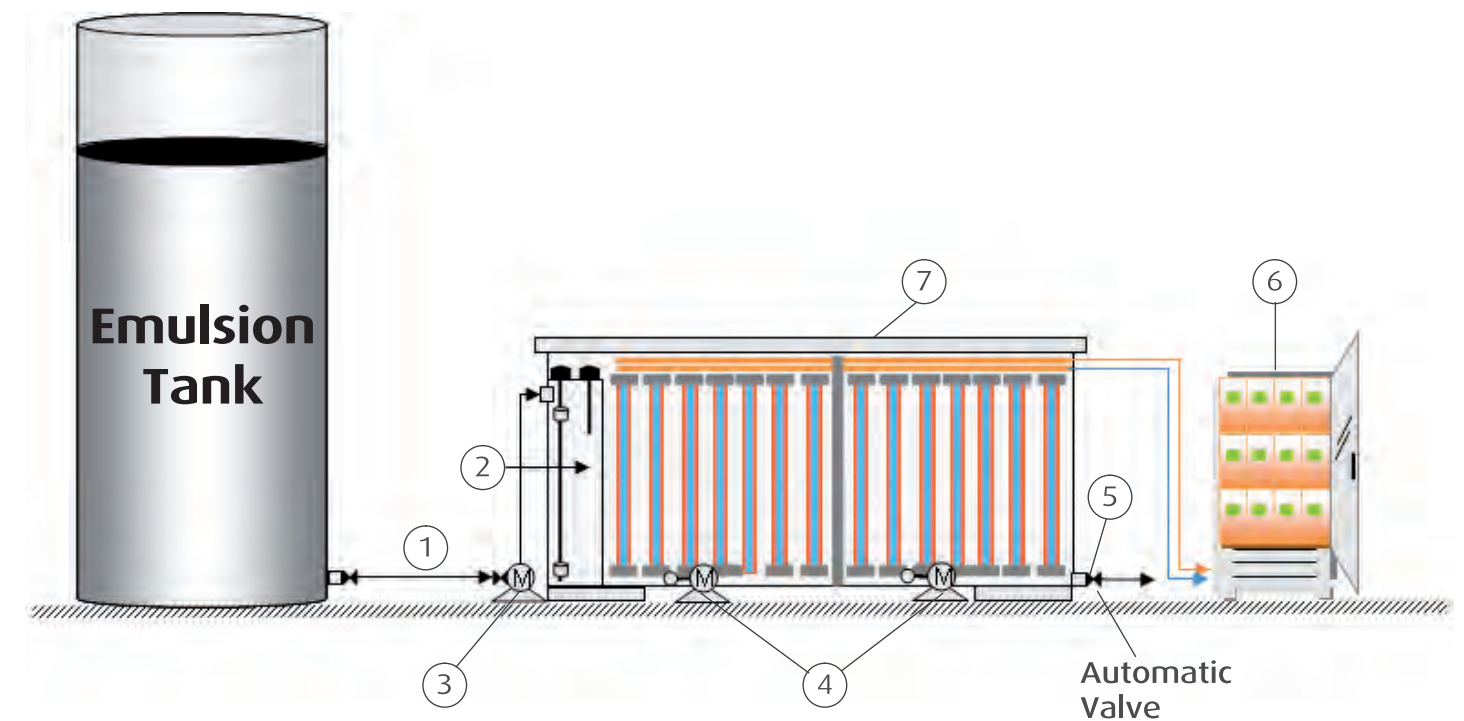
- **Low Installation costs**

Because the EEO System is external to your existing system, installation is an easy and cost efficient process.

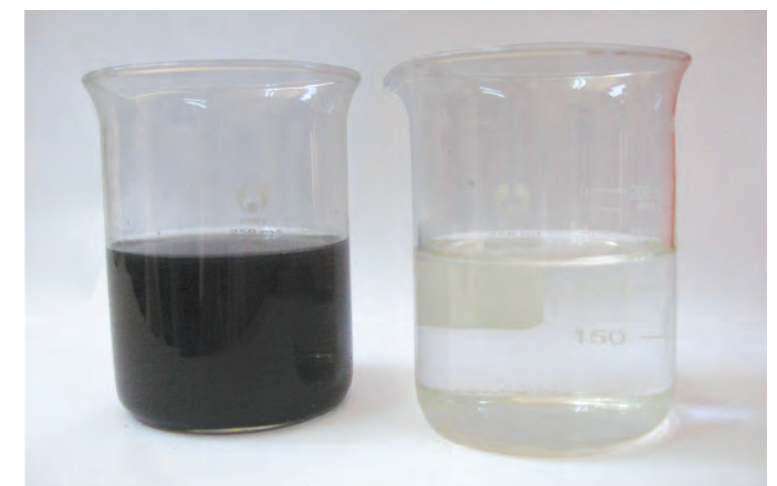


EEO – How It Works

- The Elgressy Electro Oxidation system uses unique ceramic plated titanium anodes developed by Elgressy that do not dissolve in the water.
- When a DC current is passed through the anodes, a reaction occurs and oxygen, ozone, active chlorine, chlorine dioxide and other oxygenation agents are produced.
- In the area around the cathode a very high PH level is achieved which cause metal ions or calcium carbonate to sink.



1. Inlet valve
2. Measurement cell
3. Filling Pump
4. Circulation Pumps
5. Outlet valve
6. Power supply
7. Reaction Tank



• water sample before and after the EEO system treatment

Elgressy Engineering Services

Elgressy Engineering Services Ltd. has been active in the field of water treatment for over 37 years and has a reputation for innovation, quality and service second to none.

Elgressy develops and markets comprehensive solutions and systems for the treatment and prevention of common water related problems including: scale, bacteria and corrosion. Elgressy also provides solutions for the reclamation of water with a high concentration of organic compounds and waste water and its reuse.

Elgressy maintains a team of highly skilled and experienced professionals to update and develop new systems to meet the changing needs of our clients and the more than Thousands systems installed worldwide.



Elgressy Engineering Services Ltd.

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