Industrial Oil Line Energizers

Data Sheet

- **Increase well and transmission production**
- **Eliminate paraffin wax, scale and gypsum build-up**
- **Reduce maintenance**
- **No external power source required**
- **Easy installation**
- **Environmentally friendly**
- **Affordable, cost effective**

The adhesion of paraffins to the inside of oil lines is a common and costly problem for refineries and all crude oil applications.

Magnetizer Oil Line Energizers are a cost effective and scientifically proven method

Benefits

- **Eliminate paraffin wax, scale and gypsum build-up**
- **Increase profits by reducing the need for costly maintenance**
- **No external power required**
- **Non-invasive installation**
- **Environmentally safe and user friendly**

Applications

- Oil refineries
- Oil transmission lines
- Lateral lines
- Down hole pump tubes
- Crude oil pumps
- Fractional distalation

Technical Principles

Faraday's law of electrolysis states that "The mass of substance deposited or liberated from a solution is directly proportional to the quantity of charge which flows through the circuit."

Magnetizer's Oil Line Energizers down-hole and transmission line systems alter the electrical potential of crude, which changes its nature and retards and reduces deposition of paraffin.

Crude oil, when flowing through sand or production lines, produces an electrical potential. As it passes through the monopole magnetic fields of Magnetizer's Oil Line Energizers, the crude's potential is altered causing its chemical, mechanical and electrical properties to change. This eliminates the crystal process at the thermal or cloud point and the transformation of paraffin from a liquid to a solid-state ceases. This reduces the surface tension and the viscosity of crude. By controlling the surface tension of the crude, the paraffins are kept in solution, rather than adhering to each other and sticking to the tubing.