



3D TRASAR™ Technology for Desalter Brine

Maximize Amine Removal and Brine Quality

The analyzer is an innovative solution to control the desalter acidification program for the removal of amines, calcium, metals or just to control wash water pH and desalting emulsions.



This capability, in conjunction with the PATHFINDER™ Amine Test, enhances the control of amine removal programs. Profitability is increased by mitigating the impacts of tramp amine ingress on crude unit operations and by allowing a more optimal tower top temperature setting, maintaining low corrosion risk.

The analyzer can also continuously monitor brine quality, so refiners can quickly detect and mitigate oil under carry by adjusting the desalter level and the dose rate of a reverse emulsion breaker.

Description

Nalco Water 3D TRASAR Technology for Brine is a proprietary technology specifically designed for real-time monitoring of the desalter brine (effluent) water and can provide feedback control for adjunct chemistry as well.

The 3D TRASAR system measures pH, turbidity and corrosion potential of the desalter brine effluent.

Features

- Real-time monitoring of pH, turbidity & corrosion potential
- Real-time control of acid and/or REB dosing

Benefits

- Reliable, continuous data on brine quality
- More consistent brine quality
- More consistent and effective removal of amines, calcium and other metals
- More flexibility in crude selection
- Optimized use of chemical treatment

Analyzer Parameters

Analyte	Method	Frequency	Control
pH	Probe	5 minutes	Acid
Turbidity	Turbidimeter	5 minutes	REB
Corrosion Rate	Probe		

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