



TETRA Oil Recovery After Production Technology (ORAPT™) Oil Separation System

RECOVERING RESIDUAL HYDROCARBONS IN PRODUCED WATER TO MAXIMIZE ITS REUSE

Overview

Hydrocarbons contained in produced water can hinder its treatment performance and cause non-compliance with regulatory storage requirements. TETRA engineered the TETRA Oil Recovery After Production Technology (ORAPT) oil separation system to accumulate and remove residual oil from produced water—in realtime—to facilitate its reuse and compliance with regulatory storage requirements. The system removes native oil and oil slugs caused by unplanned bypasses from production facilities to protect your produced water reuse operations. The removed oil is stored for you to sell or dispose of therefore providing you with both environmental and economic benefits.

Features

- Self-contained discharge pumps for chemical injection
- Mobile unit for job-to-job transportability
- Automated tank level management, trending, and alarms
- Automated emergency bypass and shutdown
- Unmanned operation

Benefits

- Returns hydrocarbons from produced water to sale line
- Reduces the amount of oil volume in storage units
- Facilitates reuse and compliance with regulatory storage requirements
- Removes undesired, light constituents

Technical Specifications

Nominal Throughput	25,000 bbl/day
Maximum Throughput	30,000 to 35,000 bbl/day
Dimensions	540" x 102" x 124"
Weight (dry)	28,500 lbs dry
Separation Tank Volume	280 bbls
Oil Removal	Down to 50-100 ppm
Electrical Required	480V, 3pH, 80A, C1D2
Water Inlet Size	6" ANSI 150 flange
Water Outlet Size 6"	ANSI 150 flange
Oil Outlet	1" NPT

