PRODUCT DATASHEET

Produced Water Treatment Package

Removes oil and solids from produced water





DETAIL – VESSEL HEADS

OVERVIEW

The Tech Inc. Produced Water Treatment Package is a skid package that removes oil and solids from produced water so it can be injected, disposed of or reused. Each package combines one or more treatment stages, selected and sized from a water analysis. Oil-field operators, gathering stations, refineries and tank farms use it to meet injection and disposal limits.

MODELS AND CONFIGURATIONS

- **CPI separator** – corrugated plate interceptor for bulk removal of free oil and settleable solids.
- **Oil skimmer** – recovers floating oil from separators, tanks and pits.
- **Hydrocyclone (deoiler)** – compact centrifugal separation of dispersed oil.
- **Induced or dissolved gas flotation** – fine gas bubbles lift small oil droplets and solids to the surface for removal.
- **Nutshell filter** – removes remaining oil and suspended solids, with backwash.

TYPICAL DESIGN DATA

Treated oil-in-water for disposal	Typically below 40 mg/l, or to the client's disposal limit
Treated oil-in-water for injection	Typically below 10 mg/l, or to the client's injection limit
Stage selection	From the client's water analysis, or to client specification
Capacity	Sized to the produced-water flow rate, or to client specification
Arrangement	One or more stages on skids, or to client specification

APPLICATIONS

Oil fields, gathering stations, refineries and tank-farm drains.

KEY ADVANTAGES

- **Equipment from within the group** – oil skimmers, filters and dosing systems made by the group
- **Stages sized from a water analysis** – only the stages the water needs, each sized to the duty
- **Skid-mounted for fast installation** – factory-built stages ready to connect on site
- **One point of responsibility** – the complete treatment train from one supplier
- **Measured performance** – outlet oil-in-water can be monitored online with an oil content analyser

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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