



PROPAK 

OIL PROCESSING

OIL SEPARATING, TREATING & DESALTING

Propak Systems operates one of the largest engineering and manufacturing facilities in Canada, serving the needs of the oil and gas processing industry worldwide. Since inception in 1976, Propak has established a solid reputation for providing engineering and design services, modular plant designs, custom equipment fabrication, field installation and commissioning of a wide range of process plants, oil treating facilities, platform facilities, oil separation and processing and water treatment facilities.

Propak has provided oil treating systems with installed capacities up to 150,000 BPD. Common industry techniques are combined with proprietary designs to optimize process conditions and to maximize client value.

Custom designs are often required for technically challenging applications. For example, Propak technology is efficiently treating heavy oils under 10° API gravity, light crude and condensates, oils containing paraffins and a variety of others.

Standard options include:

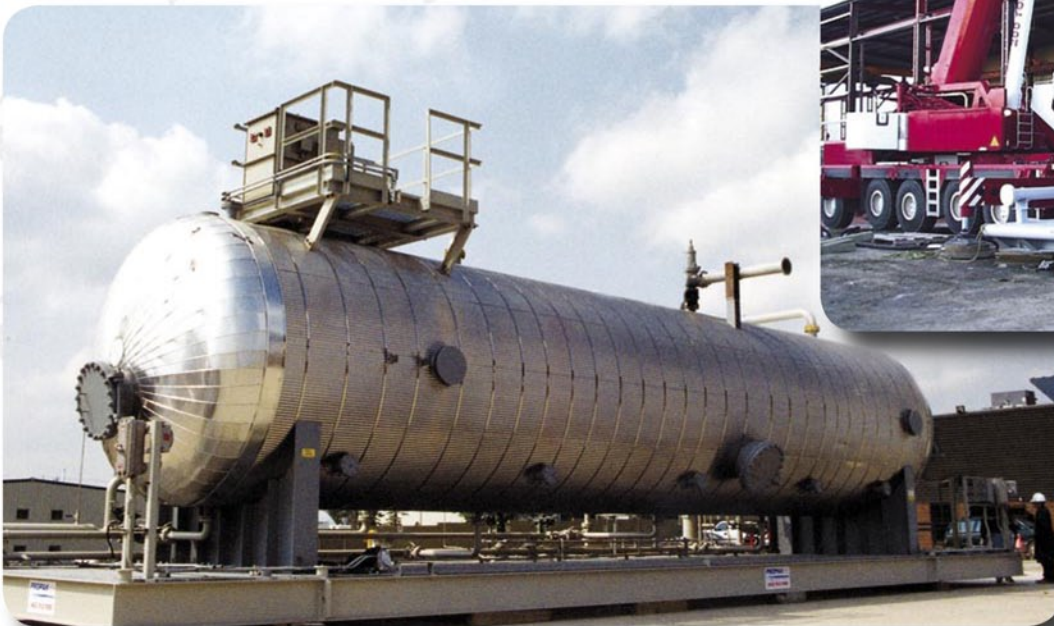
- Desanding systems
- 2-phase or 3-phase designs
- Standard Industry Electrical Connections
- Full range of electrical safety features and lockouts
- Specialized Entrance Bushings designed for long-term service
- NFPA 85/86 and CSA B149.3 Certified Burner trains.



26,000 BOPD Electrostatic Heater Treater

Process Treaters And Desalters

- Conventional Coalescing Techniques
- Electrostatic Coalescing Options
- Indirectly Heated or Direct Fired
- Flooded 2 Phase and 2 Chamber - 3 Phase
- Integrated process & chemical pumping systems
- Custom designs for technically challenging applications



High Pressure Process Separators

Electrostatic Desalter

Separators And Knockouts

- Full range of sizes to meet process requirements
- 2 or 3-Phase
- Standard vessel steels or exotic alloys
- Complete with optional internals to meet difficult inlet conditions
- Available with optional Cyclone Separation Technology and/or baffle internals
- Optional buildings and winterization
- Electronic and/or pneumatic control



140,000 BWPD
Separators

People Make The Difference

Quality components, proven fabrication processes, and decades of experience - when combined with a dedicated team of process and mechanical designers and engineers - leads to an unmatched level of value for our customers.

Expect More

For more than 25 years Propak has demonstrated added value and single source responsibility to our customers - compression, power generation, gas dehydration, sweetening, sulphur and liquids recovery, oil treatment and desalination, distillation and fractionation - it's about proven performance and commitment to our customers - it's about added value!



Waste Oil Recovery Unit



Portable FWKO



150,000 BPD Oil Processing System on FPSO vessel



Hydrocyclone Packages 100,000 BWPD each

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- **ENGINEERING**
- **FABRICATION**
- **CONSTRUCTION**
- **TRAINING**
- **COMMISSIONING AND STARTUP**
- **SERVICE AND MAINTENANCE**
- **LEASING AND RENTALS**

PRODUCT LINE

HYDROCARBON LIQUIDS RECOVERY SYSTEMS

- Turbo Expander Processes
- Mechanical Refrigeration - Propane, Ammonia, Freon
- J-T and Refrigerated J-T Processes
- Mixed Refrigeration, Desiccant Adsorption

HYDROCARBON TREATING SYSTEMS

- Gas Sweetening Systems
- Sulphur Recovery
- Natural Gas and CO₂ Dehydration
- LPG Treating and Sweetening
- Molecular Sieve Treaters

LIQUID DISTILLATION SYSTEMS

- Stabilization
- Gas Liquids Fractionation

OIL TREATING

- Separators and Freewater Knockouts
- Direct Fired Treaters
- Electrostatic Treaters and Desalters
- Produced Water Treating Packages
- Production Satellites and Batteries

MODULAR REFINERIES

- Crude Topping
- Hydroskimming
- Product Treating
- Utilities

WASTE OIL PROCESSING

DIRECT-FIRED HEATERS

- 5 to 350 mm BTU/hr
- Horizontal Box, Cabin or Helical
- Vertical Box, Cylindrical or Helical

INDIRECT-FIRED HEATERS

- Glycol
- Heat Medium
- Salt Bath

GAS COMPRESSION

- Packages from 100 to 10,000 HP
- Gas Gathering and Production, Sweet and Sour Service
- Wellsite Boosters, Rotary Screw Compressors
- Injection, Storage and Pipeline Compressors
- CO₂ and Acid Gas Injection Services

POWER GENERATION PACKAGES

- 15 kW to 3000 kW, Individual Units or Multiples
- Modular Self Contained Designs
- Stand Alone or Utility Grid Support Systems
- Specialized Designs for Solution / Flare Gas, Digester Gas, Landfill Gas

OTHER PRODUCTS

- Pumping Modules
- Offshore Production Equipment Modules
- Glycol Regenerators
- Shell & Tube Exchangers, Pressure Vessels, Towers
- Aerial Coolers (Horizontal and Vertical)
- Reactor Vessels, Filter Vessels