

ProPlate CPI and ProSkim VERTICAL SKIMMER



Handle surges and slugs of oil and still deliver a 50-150 mg/l OiW concentration with ProSep's ProPlate Corrugated Plate Interceptors (CPIs) and ProSkim Vertical Skimmers. Where available pressure is less than 50 psig, or high inlet oil concentrations are expected, ProPlate or ProSkim will often prove a better option for separation than hydrocyclones.



FEATURES AND BENEFITS

- High removal efficiencies
- Low CAPEX and OPEX
- Low installation costs
- No moving parts
- Low maintenance
- Relatively small vessel
- Adaptable design

APPLICATIONS

- Onshore and offshore production
- Refineries and industrial and petrochemical plants
- Produced water treatment
- Storm water / wash water treatment
- Ethylene quench water treatment

ProPlate and ProSkim

ProPlate CPIs and ProSkim Skimmers are designed and built to meet customer specifications. ProSep has the equipment and the expertise to provide solutions for the toughest primary water treatment problems, available as code or non-code vessels, stand-alone vessels or turnkey skid packages.

ProPlate CPI

ProPlate CPIs are designed to provide the same removal efficiency as a traditional gravity separator in a much smaller vessel, making them ideal for fixed-platform as well as land-based installations.

ProPlate CPIs are atmospheric tanks or pressurized vessels that are equipped with polypropylene or stainless steel packs designed to enhance coalescence and separation by decreasing the distance the oil droplet must travel to be removed from the continuous phase.

For floating applications with low pressure profiles, a CPI can be designed as a liquid-packed pressure vessel, mitigating the problems traditional atmospheric CPIs have with wave motions.

ProSkim VERTICAL SKIMMER

A ProSkim vertical skimmer can also serve as a motion-insensitive substitute for the CPI. Though generally larger than a CPI based on residence times of 5-15 minutes, the ProSkim vertical skimmer

provides an effective motion-insensitive option. They can be fitted with coalescing packs to enhance efficiency and reduce residence time requirements, yet still achieve performance comparable to that of a CPI.



REFERENCES

Available upon request.

FOR MORE INFORMATION

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