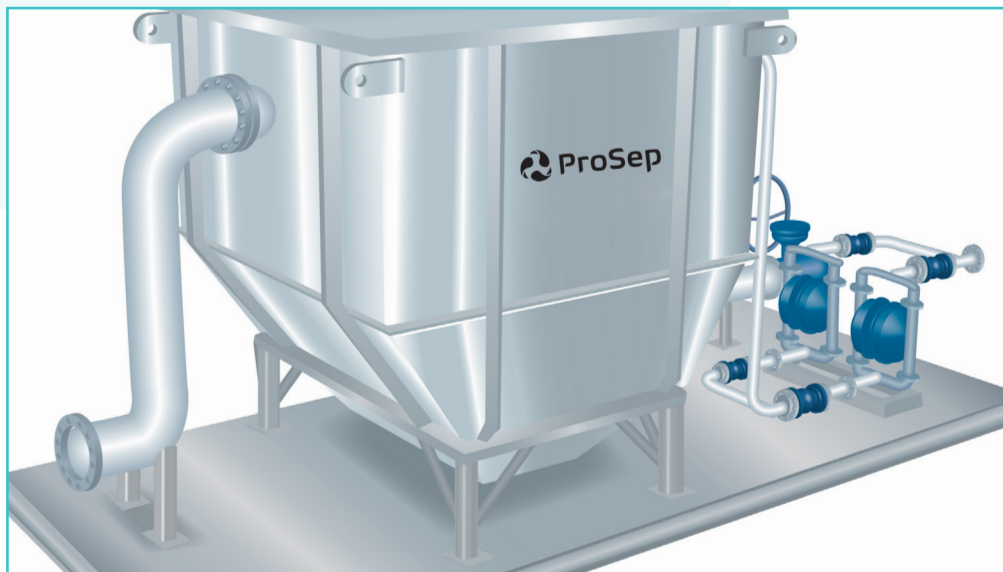


CPI & VERTICAL SKIMMERS

Available for onshore and offshore applications, these ProSep units are designed for normal operating conditions as well as to effectively handle production surges and upsets while still delivering results as low as 50-150 mg/l OIW concentration.



BENEFITS

- + High OIW and solids removal efficiency
- + Low CAPEX & OPEX
- + Low installation costs
- + Minimal to no moving parts
- + Designs reduce impact of offshore motion
- + Passive control (CPI default)
- + Adaptable design

CPI

ProSep's CPI provides the same removal efficiency as a traditional gravity separator, but in a much smaller footprint. This makes them ideal offshore platforms and FPSO's as well as land based installations.

ProSep's CPI is designed to enhance oil coalescence and separation by decreasing the distance the oil droplets must travel to be removed from the continuous water phase.

HOW IT WORKS

Coalescing packs installed at the entrance of the separator form large oil droplets for enhanced gravity separation performance in the separator pack section.

The coalescing packs are also designed to create even flow distribution over the width and height of the separator pack section.

The separator plate packs are sloped at 60° to minimize the risk of sludge

fouling.

ProSep's CPI units are available in different plate pack spacing arrangements and effective areas to accommodate different applications and flow rates, often utilized in offshore applications for rainwater runoff and open drain fluids treatment.

AVAILABLE DESIGNS

- + Pressurized or atmospheric design
- + Liquid packed pressure vessel
- + Code or non code vessels
- + Poly or SS plate packs
- + Standalone vessel or turnkey package

PROSEP CPI AT HOUSTON FABRICATION FACILITY



CLIENT QUOTE



PROSEP'S CPI PROVIDES THE SAME REMOVAL EFFICIENCY AS A TRADITIONAL GRAVITY SEPARATOR IN A MUCH SMALLER VESSEL



For floating applications with low pressure profiles, ProSep can design a CPI as a liquid packed pressure vessel, mitigating the problems that traditional atmospheric CPI units have with wave motion.

VERTICAL SKIMMER

ProSep's Vertical Skimmer can serve as a substitute for a CPI when footprint size is critical, particularly for offshore applications.

DIFFERENCES

While the vertical skimmer is typically larger than a CPI, its upright design allows for the smaller footprint area and space saving.

ProSep's Vertical Skimmer units can be fitted with coalescing packs to enhance OIW removal efficiency and to reduce residence time requirements while still achieving effective bulk free oil separation.

