

Skimmers, CPI & Sump Tanks

Our produced water treatment equipment includes such items as skimmers, degassers, corrugated plate interceptors (CPI) and sump tanks. We have the ability to custom design, engineer and fabricate any type of produced water treatment equipment to complement our complete line of products. By offering this specialized equipment, we are able to provide total turnkey produced water treatment for bulk oil and grease removal with skimmers and CPIs to final polishing using our patented flotation systems.

APPLICATIONS:

- Offshore/onshore Produced Water
- Refinery Wastewater Treatment
- Petrochemical Plants
- Rainwater Runoff

SKIMMER

We have manufactured numerous skimmers for bulk oil and grease removal prior to our downstream flotation polishing units. Skimmers are offered in various sizes and in three basic designs; horizontal, vertical and spherical. These skimmers are ideally suited to smooth liquid surges resulting in greater operating efficiency of downstream treatment equipment. DGF flotation technology is also offered in skimmers, aiding in removal efficiency.

Skimmers are offered in a wide array of construction materials and can be designed to handle various contaminants. Vertical skimmers can be manufactured with a conical bottom in the event produced sands or other materials are expected to be encountered. In addition, the vertical skimmers are our most compact unit, minimizing the amount of platform space required. Horizontal skimmers offer the greatest gravitational removal efficiency due to greater interface area.

All skimmer configurations are equipped with our patented SPIRALSEP™ inlet to allow centrifugal separation prior to entering the vessel, in addition to all level controls, weirs and automation.

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CORRUGATED PLATE INTECEPTOR (CPI)

Our CPI system incorporates a series of corrugated plate packs installed at various angles, aligned at close tolerances, thus optimizing settling area. The system can be manufactured in either pressurized or atmospheric configurations and has the ability to effectively remove oil droplets of 50 microns or greater.

CPI units allow removal of oil and grease bulk contamination in addition to any produced solids encountered. Advantages include no moving parts and low operating cost, plus little to no chemical additives are required.

SUMP TANK

Our sump tanks allow an economical method to collect and treat water from drainage sumps, oily water runoff and equipment drain headers. Sump tanks come in various sizes and configurations to accommodate specific needs. Sumps are typically equipped with dual centrifugal sump pumps, control panel and level switch activation. In addition, the tanks are equipped with oil skimmer weir system and oil transfer pumps. Our patented DGF technology, for maximum removal of oil and grease contamination, is also available.

DESIGN OPTIONS

- Pressurized or Atmospheric (VEIRSEP™ systems)
- ASME Code or Non-Code Construction
- Client determines controls, tie in locations and safety controls
- Our skimmers, CPI units and sump tanks can be packaged with any of our other units for total produced water treatment management



The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

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