

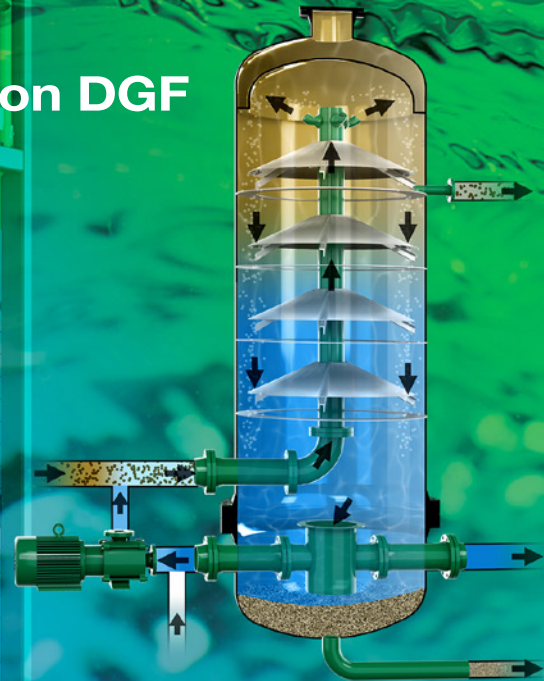
CrudeSep® Dissolved Gas Flotation DGF

Compact Flotation Technology



CETCO
ENERGY SERVICES

A Minerals Technologies Company



CLEAR SOLUTIONS
for complex fluids

The CrudeSep® Dissolved Gas Flotation DGF, is a compact flotation unit for treating produced water to remove free oil. It is an ideal solution when the primary produced water treatment system is down for maintenance or when high water cuts require debottlenecking the produced water treatment system. Particularly effective with chemicals, the CrudeSep® DGF may be installed as stand-alone vessels or in series.

ABOUT US

CETCO ENERGY SERVICES (CETCO), the trusted partner and complex fluid experts equipped and ready to solve your fluid challenges; delivering clear and proven results by increasing operator efficiency, reducing downtime, and maximizing output while safely protecting the environment.

16 WORLDWIDE
LOCATIONS
≥10 COUNTRIES
*Headquarters Houston, TX

OUR EXPERTISE

- ✓ Advanced Technology
- ✓ Safety Performance
- ✓ Globally Innovative
- ✓ Environmentally Conscious

CrudeSep® Dissolved Gas Flotation DGF

Compact Flotation Technology

The CrudeSep® DGF Unit, is a multi-staged vessel that enhances oil water separation by injecting dispersed gas bubbles into the unit. Achieving optimum bubble size allows more oil droplet contacts and increases efficiency of smaller oil droplet floatation. The CrudeSep® DGF achieves gas-oil coalescence by creating a multi-stage effect within the vessel to leverage the overall performance. Smaller gas bubbles and oil droplets may be pulled towards the base of the vessel by the downward flow of the water. Fluid dynamics are applied as most of these bubbles and gas droplets are recovered by the various internal stages, with the cycle continuing until oil droplets are large enough to rise to the top of the vessel where they are siphoned off.

Features & Benefits

- Unrivaled DGF technology
- Smaller bubble and more uniform size for more efficient oil water separation
- Applied fluid dynamics
- Small deck footprint
- Reduces oil content to acceptable discharge levels over a wide range of low rates and conditions
- May be installed as stand-alone vessel or in series

