



Water Treatment

Liquid Centrifuge

Centrifuges are used for high oil water separation efficiency and use a much smaller footprint than a conventional separator. This allows CETCO to return improved quality oil to the customer's production system.

The feed stream enters the centrifuge bowl where a spinning central rotor generates high speed rotation of the fluid. The centrifugal forces cause the denser water to move to the outside of the bowl, while the lighter hydrocarbon fractions move toward the inside. As feed fluid continues to enter the bowl, water is recovered from the outside of the bowl, while the oil is recovered from near the rotor.

Applications

- Reduce water in product oil to meet sales line spec
- Recover oil from slop water
- Remove oil from flow back returns

Technical Specifications

Equipment	Centrifuge	Elevated Platform
Dimensions (L x W x H)	6' x 6' x 10'9"	12' x 8' x 12'4"
Weight (lbs.)	6,900	8,450
Inlet/Outlet/Drain Size	4" / 4" / 2"	-
Maximum and Minimum Throughput (bbls/min)	0 - 2	-
Allowable Process Material Temperature Range (°C)	-30 to 100	-
Allowable Ambient Temperature Range (°C)	-30 to 100	-
Maximum Casting Pressure (psi)	10	-
Electrical Specifications (Voltage/Phase/Cycles)	460 / 3 / 60	-

