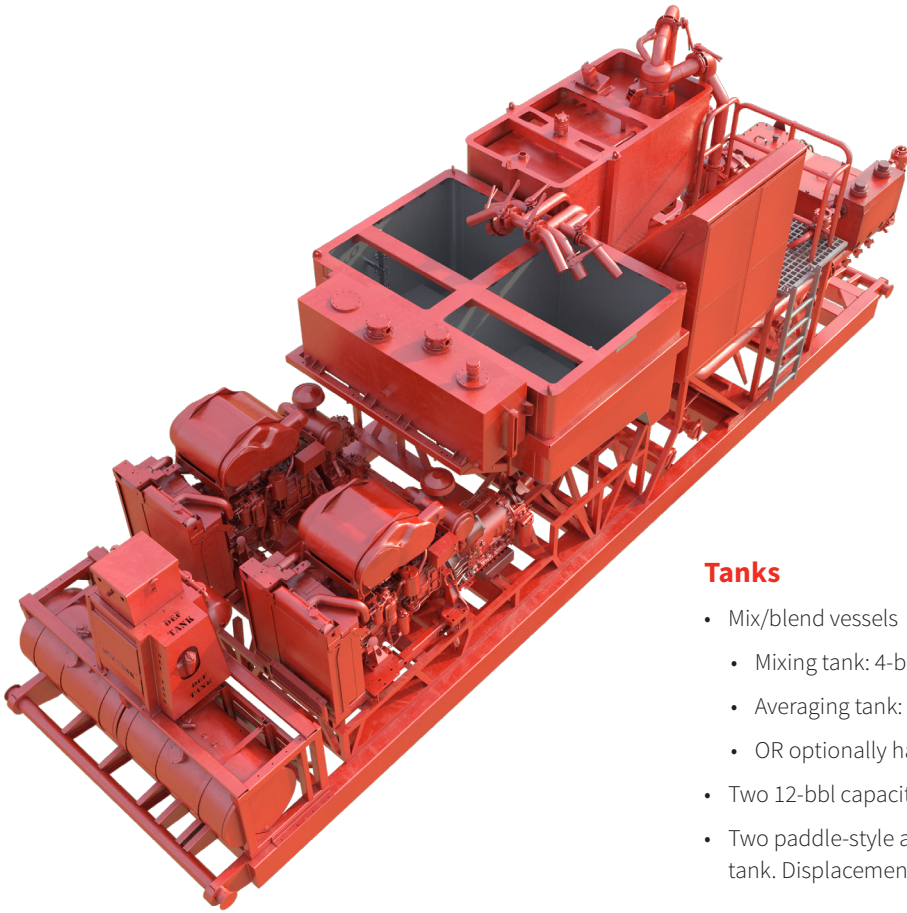


Wilco

250-hp Skid-mounted Cement Pumper

WCS-250 standard high-pressure triplex pump 250-hp skid-mounted cement pumper

The Wilco™ WCS-250 250-hp skid-mounted cement pumper provides a rugged, versatile, yet economical solution for plug and abandonment jobs, squeeze cementing work, conductor casing work, and surface casing jobs. Our 250-hp cement skid mixes and blends cement and can fine tune previously mixed cement slurry from a batch mixer and displace the blend downhole. Cement is blended with the Gyro-Energy cement mixing head with recirculation and utilizes agitators in both mix and averaging tanks. The unit is powered by two engines driving a single high-pressure pump along with the centrifugal pumps and agitators.



Engine

- Two Cat C7.1 Tier 4 260-hp diesel engines
- Allison transmission on drive for high-pressure pumps
- 200-gal fuel tank capacity
- 120-gal hydraulic fluid tank capacity

Pumps

- Standard version is equipped with Gardner Denver GD-250 high-pressure pump, Ø3.5 diameter plungers, 6,000-psi maximum pressure, and 187-gpm maximum rate or customer option.
- Centrifugal Pumps
 - Pump 1: 6 x 5 x 11 centrifugal pump for boost pressure for high-pressure pumps
 - Pump 2: 6 x 5 x 11 centrifugal pump for mixing tub recirculation.
 - Pump 3: 4 x 3 x 13 centrifugal pump for water fill/displacement to mixing head

Tanks

- Mix/blend vessels
 - Mixing tank: 4-bbl capacity (or customer preference)
 - Averaging tank: 8-bbl capacity (or customer preference)
 - OR optionally have 3-bbl mixing tank and 4-bbl averaging tank
- Two 12-bbl capacity displacement tanks (24-bbl total)
- Two paddle-style agitators, one in mixing tub and one in averaging tank. Displacement tank agitators are optional.

Mixing/blending system

- Agitators' and centrifugal pumps' hydraulic motors are run with hydraulic pumps powered from 250-hp engine.
- Data acquisition system for recording pump discharge pressure, rate and density.
- Optional Continuous Automated Mixing (CAM III) system also powered by hydraulic system.
- Micromotion Coriolis densimeter used for density measurement from mixing tank recirculation line.
- A control console on the work platform is designed to allow control of engine, hydraulic systems and manifold valves from a single location and optional CAM III system.
- Manifold system is designed for easy cleanup and maintenance. The water supply line is independent of cement lines.

Options

- Mixing and averaging tanks are available with either 4-bbl mix/8-bbl averaging or 3-bbl mix/4-bbl averaging options.
- Cold weather service package for engines, hydraulics, and high-pressure pumps.