Seahawk cement unit 1000 BHP diesel

Available Options

- Fully remote control
- DNV/ABS/NORSOK/CE certifications
- Acoustic attenuation to 85 dBA
- Automated liquid additive system (ALAS)
- Remote pressure testing
- Seawater cooling system
- Automated foam cement capable
- Batch mixing systems
- Emergency start systems
- Zone II hazardous rating

Features and Benefits

- Minimizes NPT with reliable twin-pump design
- High horsepower capabilities
- High energy mixing system delivers homogeneous slurries
- Near Dust free environment
- Unit can be disassembled to fit through openings as small as 5 x 7 fit
- Provides 100% redundancy
- Controls, monitors, and records job parameters for online, post- job analysis

The Baker Hughes **Seahawk™ offshore cementing unit** provides reliable, automated mixing and pumping operations and reduces health, safety, and environmental risks.

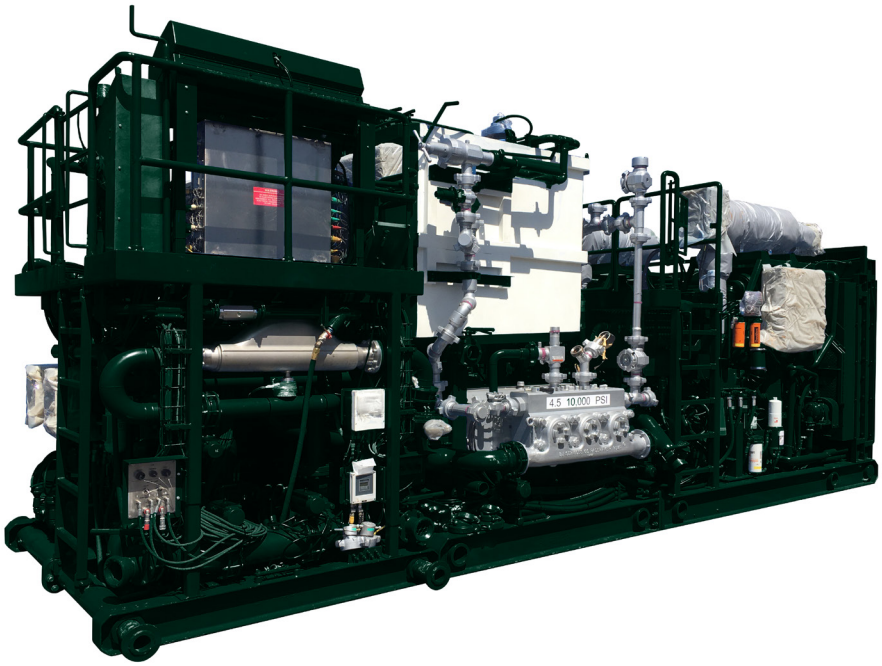
Health, Safety, and Environment

The **Seahawk™ cementing system** was designed with HSE as one of the guiding principles.

- Operators are isolated from high-pressure components and manifolds
- Fewer exposed rotating parts
- Near dust-free mixing environment
- Control panel location minimizes exposure to noise, vibration, and high-pressure components

The **Seahawk™ is a dual skid mounted cement mixing and pumping unit** that can be divided separate sections to simplify installation on offshore. The unit is rated to 850 hydraulic horsepower (HHP) and capable of working pressures up to 15,000 psi (1034 bar). The unit is comprised of a dual independent system driven by Cummins QSM11 engines, through Allison 4700HD transmissions, driving the Baker Hughes pacemaker pump.

The ACC (automatic cement control) II mixing system provides density control and slurry consistency within ±0.1 ppg, and densities up to 21 ppg (2.5 sg). The unit can achieve maximum pumping rates as high as 20 bpm, and 12 bpm slurry rates.

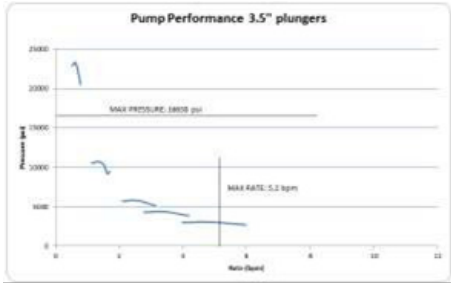


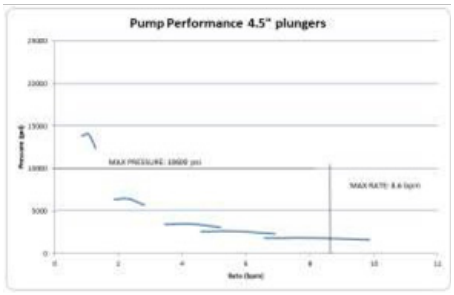
Offshore Module Skid

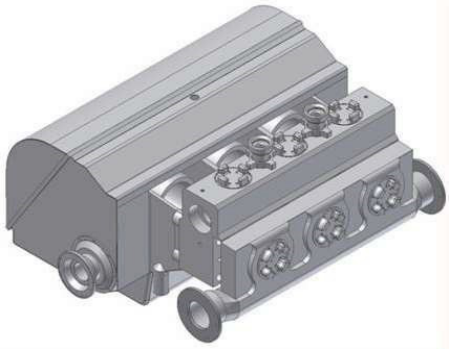
Applications

Offshore Cementing	Harsh Environments
Deepwater	Pressure Testing

Features	Benefits
High Pressure Pumps	Two pacemaker pumps B side 3.5 in. plungers (15,000 psi MAWP) C Side 4.5 in. plungers (10,000 psi MAWP) Alternate plunger arrangement available, and able to change out in 2 hrs
High Horsepower Powertrain	Two Cummins QSM 11 Engines 500 BHP Each Available cooling for continuous operation at 115°F (46°C) Seawater cooling optional
Transmission	Allison 4700 Series
Mixing System	Three mixing system options: • 7 BBL Standard mixing system • RAM mixing system (7 bbl primary, with 18 bbl averaging) • Dual mixing system (twin 7 bbl mixing tubs) Four Goulds centrifugal pumps - 2 mixwater, 2 slurry Liquid Volume Fracton mixing mode for lightweight mixing
Instrumentation	MCM2000 mixing control system Automatic cement control (ACC) for precise control ±0.1 pgg
Skid	Modular for installation ease. Total Weight: 27.5 MT 25.5ft L x 8ft or 10ft W x 12.5ft' H







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