
Mud equipment

Mud pumps

> Wirth HP mud pumps TPK 2200
- gear driven



> Wirth HP mud pumps TPK 1600
- belt driven



A full line of triplex high pressure mud pumps to handle any drilling requirements. These tough field proven models cover input horsepower ratings from 800 to 2200 range. These are available with rear or top mounted, belt, chain or gear driven, AC or DC drive motor configurations with operating pressure between 5000 up to 7500 PSI.

Main features

- Optimal smoothness of operation
- Compact design, less weight
- Pump drive units for permanent-load operation, with a high degree of stability
- Gear wheels and drive shaft of wear-resistant heat treated steel
- Hydraulic quick release system
- Independent lubrication system
- High lifetime on consumables items
- Surveillance and control elements for early recognition of failures
- Full material trace ability as standard
- Fluid ends in stainless steel (optional) for increased lifetime

Gear driven mud pump TPK 2200

- Replacing chain or belt driven systems
- Powered by single top mounted AC motor 2200 HP
- Higher lifetime
- Reduced maintenance work
- Lower service costs
- Less vibration
- Lower noise emission

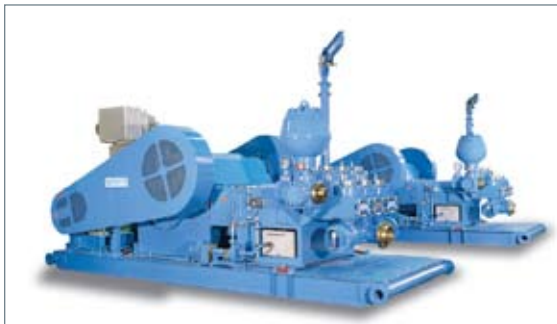
Triplex mud pumps feature hydraulic quick release system

- For safe and easy maintenance of
- Valve replacement and hydraulic valve closure
 - Liner and piston replacement
 - Fluid end modules replacement

Originally patented by Aker Wirth GmbH the features are available as either premium or classic line options. The hydraulic system is an important element with respect to safe, effective and easy maintenance of these features.

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Product lines

Wirth mud pumps are available in two different product lines. The exact specifications of the products depends on customers requirements. Proven, standardised products characterise the “classic line” mainly used for onshore applications. The products of the “premium line” guarantee the highest quality and a tailor-made solution to suit all customer requirements.

Premium line

- State of the art equipment
- Complying to the highest offshore standards
- Including all features to provide the customer with a superior product
- Tailor-made to best suit customer requirements

Classic line

- State of the art equipment
- Complying to onshore standards
- Features are optional
- 100 % standardised product

Mud mixing and treatment equipment

Drilling fluid (mud) equipment

Aker Solutions supplies high quality systems for drilling fluid applications.

STEP mud mix equipment

- Sack cutting units
- Lifting tables
- Mud hoppers
- Liquid chemical skids
- Barrel holders
- Rapid barite mixers
- Caustic mixing units
- HP shear units
- LP shear units
- Big bag units
- Centrifugal pumps
- Bulk surge tanks
- Surge tank feeders

STEP treatment equipment

- Degassers
- Agitators
- Mud guns
- Tank cleaning machines
- Chemical injection units

> STEP liquid chemical skid w/VFD pumps



> STEP sack cutting unit



> STEP mud mixing skid



>> STEP mud hopper



> STEP operator station



> STEP surge tank feeder



> STEP bulk storage tank



> STEP delta, rock catcher and Y's



>> STEP dust cyclone and collector



>>> STEP bulk surge tank



STEP control systems and interfaces automated processes

- Heave/tilt panels
- Auto density
- Auto bulk transfer
- Auto mud transfer
- Monitoring, start/stop of equipment
- Centrifuge control
- Instrumentation and monitoring
- Automated valves
- Density signals from pits and mixing lines
- Pressure signals from pumps, bulk storage tanks, etc.
- Hi level switches
- Level transmitters in mud pits, storage tanks, etc.
- Load cell signals

STEP solids control equipment

- Gumbo conveyors
- Flow dividers
- Shale shakers
- Desanders
- Desilters
- Mud cleaners
- Screw conveyors
- Centrifuges
- Cuttings dryers
- Cuttings transport
- Slurrification units
- Cuttings re-injection

STEP bulk equipment

- Bulk storage tanks
- Rock catchers
- Dust cyclone and collectors
- Pressure reducing stations
- Sampling units
- Supply vessel bulk systems