



RotaFlex[®]

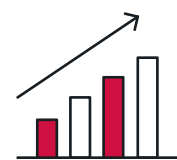
LONG-STROKE PUMPING UNITS

More Production, Greater Efficiency,
Fewer Failures, Less Cost



More Production and Efficiency, Fewer Failures and Less Cost

Weatherford RotaFlex[®] long-stroke pumping units redefine rod-lift performance by enabling sooner transition from costly ESPs and jet-pump systems for greater efficiency, reliability, and production over the life of the well. Built with optimized long-stroke geometry, RotaFlex maximizes pump fillage, reduces cyclic stress, and delivers consistent, high-efficiency lifting in deep, challenging wells—featuring the world's longest, most efficient production stroke. As part of an integrated system, RotaFlex maximizes mechanical efficiency to reduce energy consumption and lower total cost of ownership over more costly, high-maintenance alternatives.



IMPROVE HIGH-VOLUME EFFICIENCY

Increased pump fillage improves production for fast transition from ESPs and jet-pumps.



MINIMIZE FAILURES AND OPEX

Unique counterbalance reduces cycles 40–60% for less rod wear and longer equipment life.



LOWER ENERGY CONSUMPTION

Optimized geometry and gear-design reduce torque and improve power usage.

FIELD-PROVEN TECHNOLOGY

40+ YEARS

Field-Proven Engineering

15,000+

Units Worldwide



CASE STUDY | NORTH DAKOTA

75% REDUCED OPEX

SUSTAINED ESP/JET-PUMP RATES

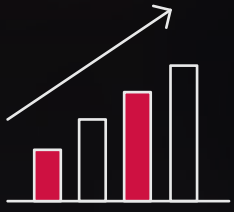
\$1.1M USD SAVED

RotaFlex with WellPilot[®] VSD maintained 200 bpd in deep, sandy well where ESP and jet-pump systems required costly maintenance and interventions.

RotaFlex®

LONG-STROKE PUMPING UNITS

PRODUCE MORE, SPEND LESS



Maximize Production Efficiency

Field proven as a more prolific producer than conventional rod-lift systems, RotaFlex® boosts productivity with a longer stroke for more complete barrel fillage and less wear on surface and downhole equipment.

Extended stroke lengths (180 to 421 in.)

Provide added time for fluids to enter the pump intake, maximizing pump fillage and volumetric efficiency, especially in deep and high-GLR wells.

Long, slow stroke profile

Reduces fluid slippage and gas interference, delivering smoother, more consistent production while reducing stress on downhole pumps.

WellPilot® Variable-Speed Drive

Tunes each stroke cycle dynamically for optimal plunger movement, increasing production rates by up to 20 percent.

Earlier transition to rod lift

Enables operators to move off ESPs or other lift methods sooner, reducing system complexity and overall lift cost.



Reduce Failures and Extend Runlife

Spend less on OPEX and produce more for longer with RotaFlex, the system that substantially lengthens sucker-rod and downhole-pump longevity while reducing cycles, reversals, and risk of downhole failures.

Optimized unit geometry

Distributes rod loads evenly, reducing peak mechanical stress and protecting rods, tubing, and downhole pumps.

Reduction in cycles and reversals

Minimizes mechanical wear, extending rod string and pump life while decreasing interventions by 40 to 60 percent.

Smooth load profile

Reduces shock loading and fatigue, improving reliability in deviated, horizontal, or high-load wells.

Compatibility with advanced rod systems (COROD® continuous rod)

Reduces rodstring weight while maintaining strength, enabling deeper and more reliable lifting.



Cut Energy Usage and Total Costs

RotaFlex systems are built for long-lasting production, greater ROI, and overall value. Add peace-of-mind with simplified designs that streamline maintenance, inspections, and repairs with easy access to major components.

Efficient gear reducer and unit geometry

Decreases torque demand and power consumption without compromising production performance.

Integrated monitoring and speed sentry system

Tracks vibration, rod load, rod position, and belt alignment, with alarms and automated shutdowns to prevent failures and reduce downtime.

ForeSite® integration

Provides real-time, asset-wide optimization, enabling operators to track multiple wells and improve field-level efficiency.

Maintenance-friendly design

Simplifies upkeep and improves safety with 90%-preassembled units featuring large access doors and hydraulic rollback systems.

