

High Viscosity Pump



Maximizing production from viscous oil wells

The SPECTRUM ADVANCE High Viscosity Pump is an engineered solution that allows operators to efficiently maintain production from highly viscous fields while minimizing the lifting costs associated with electrical submersible pump (ESP) production.

Wells typically produced with progressing cavity pumps (PCP) do not allow the drawdown and reservoir recovery attainable with ESPs but conventional downhole pumps suffer from blocked stages, increased motor load and high power consumption in viscous applications. The SPECTRUM ADVANCE High Viscosity Pump features a patent-pending stage design that overcomes these challenges and avoids the need for costly chemical or thermal treatment of the fluid.

Designed for increased reliability and minimized OPEX

The innovative stage design of the SPECTRUM ADVANCE pump generates increased lift per stage and the improved hydraulic design enables significantly improved pump efficiency, reduced power requirements and lower operating costs.

The SPECTRUM ADVANCE High Viscosity Pumps allows operators to maximize the potential of viscous wells with significant efficient benefits over conventional ESP designs.

APPLICATIONS

- Designed for viscous oil applications
- Marginal wells requiring increased efficiencies

BENEFITS

- Enables ESP production without expensive chemical/heat treatment
- Reduced OPEX power costs for viscous oil wells
- Enhanced lift per stage results in shorter pumps
- Lower HP consumption requires smaller motors
- Improved pump efficiency
- Reduced motor load improves reliability
- Improves profitability of marginal wells
- Reduces risk of stuck pump during shutdown

FEATURES

- Patent-pending stage design
- Full 1:1 AR construction
- Floater design
- Monel, HSS, UHSS shaft

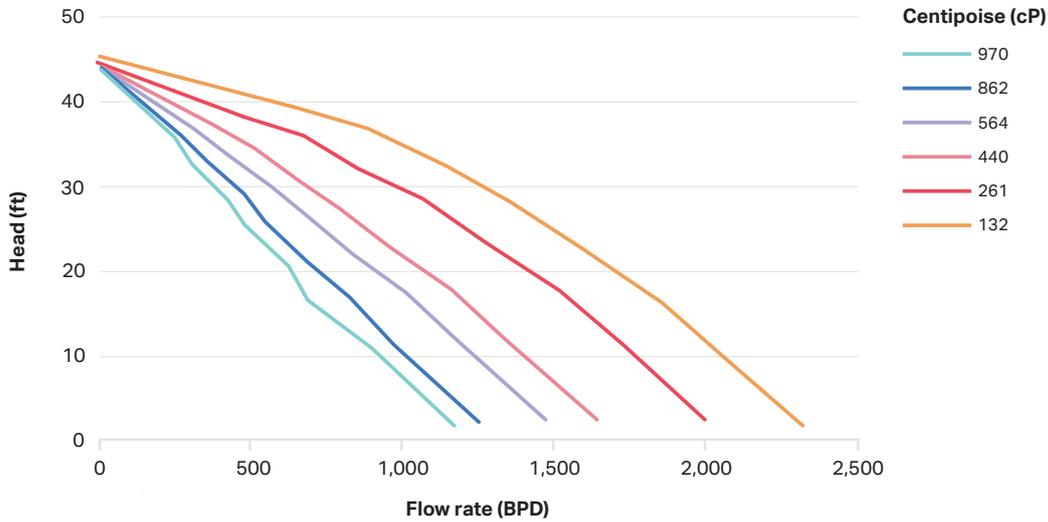


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SPECTRUM Advance High Viscosity Pump

Conventional pump versus SPECTRUM ADVANCE High Viscosity Pump performance at varying viscosities

Conventional pump



SPECTRUM ADVANCE High Viscosity Pump

