



Rotoliptic

ANY VISCOSITY

ANY TEMPERATURE

ANY PHASE

ASSEMBLY

TOP-DRIVE PUMP CONFIGURATION

A Rotoliptic pumping system can be deployed similarly to a typical Progressing Cavity Pump surface drive system, making it easily deployed with standard oilfield equipment.

POLISHED ROD DRIVE CLAMP

Transmits rotational power from the drive head and suspends the drive string

POLISHED ROD SUPPORT CLAMP

Locks the polished rod in place, preventing movement during maintenance operations

POLISHED ROD

The top component of the drive string, providing a smooth, polished surface for the wellhead exit rotating seal

DRIVE STRING

Transmits torsional power to the rotor through continuous coiled or a jointed sucker rod

Rotoliptic ROTOR

The rotor is a helical shaped shaft, the only moving part of the pump

TAG-BAR SUB

Provides a reference point for setting or landing the rotor in the proper position, fully engaged in the stator

DRIVE HEAD

Typically mounted with an electric motor, provides the mechanical power to the pumping system, supporting the weight of the drive string and sealing mechanism for the polished rod

TUBING STRING

Must be sized to accommodate the rotor installation

TUBING CHANGE-OVER

Connects the stator to the tubing string, allowing for a secure transition between different thread types if required

ORBIT TUBE

Larger internal bore sub directly above the stator to accommodate the rotor eccentric movement during operation

Rotoliptic STATOR

The stator is the stationary part of the Rotoliptic downhole pump assembly

TORQUE ANCHOR/ NO-TURN TOOL

Prevents the counter clockwise rotation of the tubing string while the pump is operating

