

TRIDENT Rigless ESP System



TRIDENT Rigless ESP System utilizes wireline but requires no rig or hoisting equipment to replace failed or sub-optimal ESP system. This significantly reduces the duration of suspended production and workover cost over the traditional methods of ESP replacement. It is compatible with different types of ESP systems. TRIDENT Rigless ESP System has proprietary hanger system and specific wet connector assembly to protect the whole system from vibration, increase reliability and robustness.

Advantages

- A rig or hoisting equipment is eliminated when replacing failed or sub-optimal ESP
- Reduce operational time, labor cost and risk exposure
- Minimize well down time & maximize production time
- Protect reservoir from fluid contamination



Key Designs



Wet Connector Assembly

- Wide-bore design, maximizing flow path with high debris tolerance
- Ingenious docking and locking design, prevent damaging the wet connector from vibration

Hanger Assembly

- Supports the system weight, prevents axial and radial movement of the central string
- Two setting methods: GS jarring down & pressure latching



Specifications

Item	Unit	7" system	5½" system	4½" system
Voltage rating	V	5,000	5,000	5,000
Current rating	A	125	125	125
Maximum ESP/Motor size	inch	5.62	4.50	3.75
Minimum production casing	ppf	9⅝"	7⅝"	7"
Required tubing size	ppf	7"	5"	4.5"
Well deviation	deg	0-75	0-75	0-75