

Spooling Units

Spooling Units are utilized to deploy and retrieve capillary tubing bundles, TEC (Tubing Encapsulated Conductor) and TEF (Tubing Encapsulated Fiber). Each unit provides controlled tension to the capillary tubing and/or TEC-TEF during the deployment process. The Spooling Unit is also used to provide sufficient tension to spool up capillary tubing, and/or TEC-TEF when pulling production tubing out of the wellbore for well workover. Spools are fully contained within the Spooling Unit to prevent damage to the line on the spool at the well site and while in transit. The operator can adjust the tension on the lines at any time while running in the hole for ease of installation and facilitate spooling line onto the spool while pulling out of the hole. The Spooling Unit can also be equipped with a dual discharge pressure system. The pump in the discharge system has a *working pressure* output of 20,000 psi. All fluid pressure hoses used on this Spool Unit have a working pressure of 26,000 psi with a safety factor of four to one. High pressure swivels installed on each end of the spool shaft reduce downtime by eliminating the need to stop the Spooling Unit to adjust pressure on the lines. The pump system design allows pressure to be selectively applied on up to four lines at a time. Pressure on individual lines is monitored through 20,000 psi dial gauges; pressure can be recorded throughout the installation or during assembly testing utilizing a chart recorder.

Construction

Custom designed all welded HD Marine Grade Aluminum Frame and Structure. The equipment provided will be designed and manufactured in accordance with the applicable sections of DNV 2.7-1 and DNV 2.7-3. A DNV surveyor will witness all load test, weld inspection, and functional test and will report those results in DNV Inspection Release Note. Lift Test Performed by Independent 3rd party witnessed by DNV Surveyor, Professional Engineer Certified Drawings, Lifting Eyes, Shackles, & Slings certified Load Tested.




*Custom Options Available


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Features

- Powder-Coated Aluminum Skid (Specify Color)
- Design proven with over 15 years of field history
- Accommodates large & multi-line spools
- High-pressure swivels allow pressure adjustment while spooling
- High-pressure, high-volume pump system allows selective pressure adjustment on 1 to 4 lines
- Dial gauges allow pressure monitoring of individual lines
- Pump system pre-plumbed for output to a chart recorder
- Built in multiple sizes to accommodate 24" flange to 126" flange spools with varying widths up to 89"
- Unit design can be customized for specific applications