

Intervention WorkOver Control System

OVERVIEW

A complete Intervention WorkOver Control System (IWOCS), custom designed & built was completed for customer in 2008. The equipment has since been rented to clients.

System comprising:

- Redundant pneumatic HPU complete with accumulators, flushing loop system and tank
- Umbilical reel with dual motor drive, on-board operator panel, remote control system and automatic spooling mechanism
- 1300m electro-hydraulic umbilical, containing 1 quad and 7 HP lines
- Umbilical sheaves to support umbilical

- System fully qualified for Norwegian sector, certified to Norsok Z-015, DNV 2.7.1 and approved for Ex-zone operation



SPECIFICATIONS:

HPU:

- Physical Dimensions (lxbxh): 1,8x1,3x2,2m
- Net Weight: 1.470Kg
- Material main frame: Stainless Steel
- Working Pressure: 345Bar (5000psi)
- Accumulator capacity: 3x36litre (max 6x36l)
- Tank Capacity: 240 litre
- Pumps: 2 off air driven pumps
- Flushing motor: 3,5KW, Exde IIBt4, 440V, 60Hz
- Certification: EN12079 and Norsok Z-015

Reel:

- Physical Dimensions (lxbxh): 4,1x2,5x2,6m
- Net Weight: 8.800Kg
- Reel inner/outer dim: 1100mm/2060mm
- Reel Width: 2300mm
- Reel speed: 12-40 m/min
- Reel pull force: 750 - 2.500kg
- Hydraulic Working Pressure: 345Bar (5000psi)
- Umbilical exit angles: 30°-40° V, ±5° H
- Coating: Norsok M501, Syst1, RAL 5010

Umbilical:

- Length/X-section: 1.300m, 56mm
- Weight: 2,65 Kg/m (air), 0,35 Kg/m (sea)
- SWL / Min break load: 10KN / 50KN
- Hydraulics: : 7 off, 1/4", 345 bar (5000 Psi)
- Electrics: 4 off, 2,5mm² conductors
- Min bend radius: 370mm static, 550 dynamic
- Sheath material: Polyurethane (inner&outer)
- Strengthening material: Braided Vectran Fibre

CONTACT

For further technical and sales information please feel free to contact us or visit our website.